

# Luminaires



### INSPIRATIONAL BOARD

**Hör mal:**

- Weltweit, Episode WW064 - Geschichten aus einer Welt im Wandel
- SAP Education Newscast, Episode 016 - Wissenspartnership
- Mindtrack - Learning Podcast
- PDF - Heiß das Morgen gestalten
- CS19

**Lies mal:**

- Yuval Noah Harari - 21 Lessons für das 21. Jhd.
- The Culture Code - the secrets of highly successful groups

**Schau mal:**

- WIRED: 5 Levels
- Am Wochenende einfach Offline sein

## Luminaires

## MITA



NEW 314

recessed

ceiling

## COMBO



334

recessed

## VELA



342

surface



suspended

## SONO



356

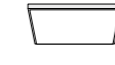
recessed

surface

## FLOW



374



surface

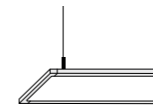
## JANE



NEW 380

semi-recessed  
surface  
suspended

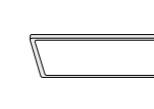
## DESO



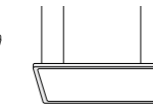
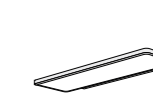
NEW 394

suspended

## TASK



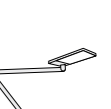
400

surface /  
acousticsuspended /  
acoustic

wall

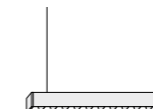


free standing



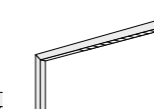
table

## BETO



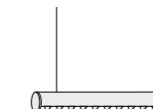
460

suspended



free standing

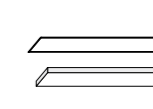
## SETA



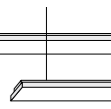
NEW 484

suspended

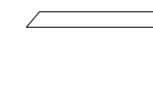
## LENO



490

recessed  
semi-recessedsurface /  
suspended

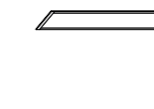
## MINIMAL



508

recessed

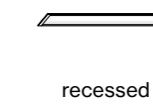
## FRAME



516

recessed trim

## CANYON



526

recessed  
offset

## MINO



532

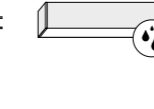
surface /  
suspended

## BASO



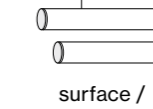
556

recessed



surface

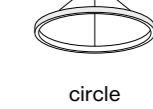
## TUBO



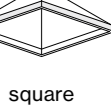
NEW 568

surface /  
suspended

## INO



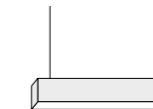
580

circle  
suspendedsquare  
suspendedMINO  
CIRCLE

594

ceiling/  
acousticsuspended /  
acoustic

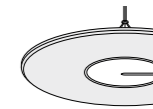
## LITO



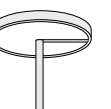
610

suspended

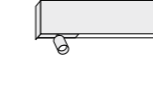
## SONIC



616

suspended /  
acousticfree standing /  
acoustic

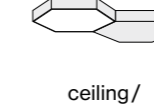
## LINEA



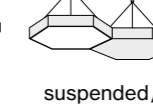
NEW 632

wall

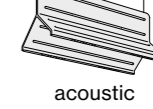
## HEX-O



638

ceiling/  
acousticsuspended /  
acoustic

## MUSE



654

acoustic  
suspended

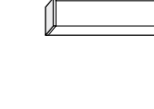
## STRETTA



670

surface

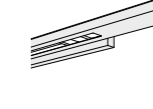
## CORNER



676

surface

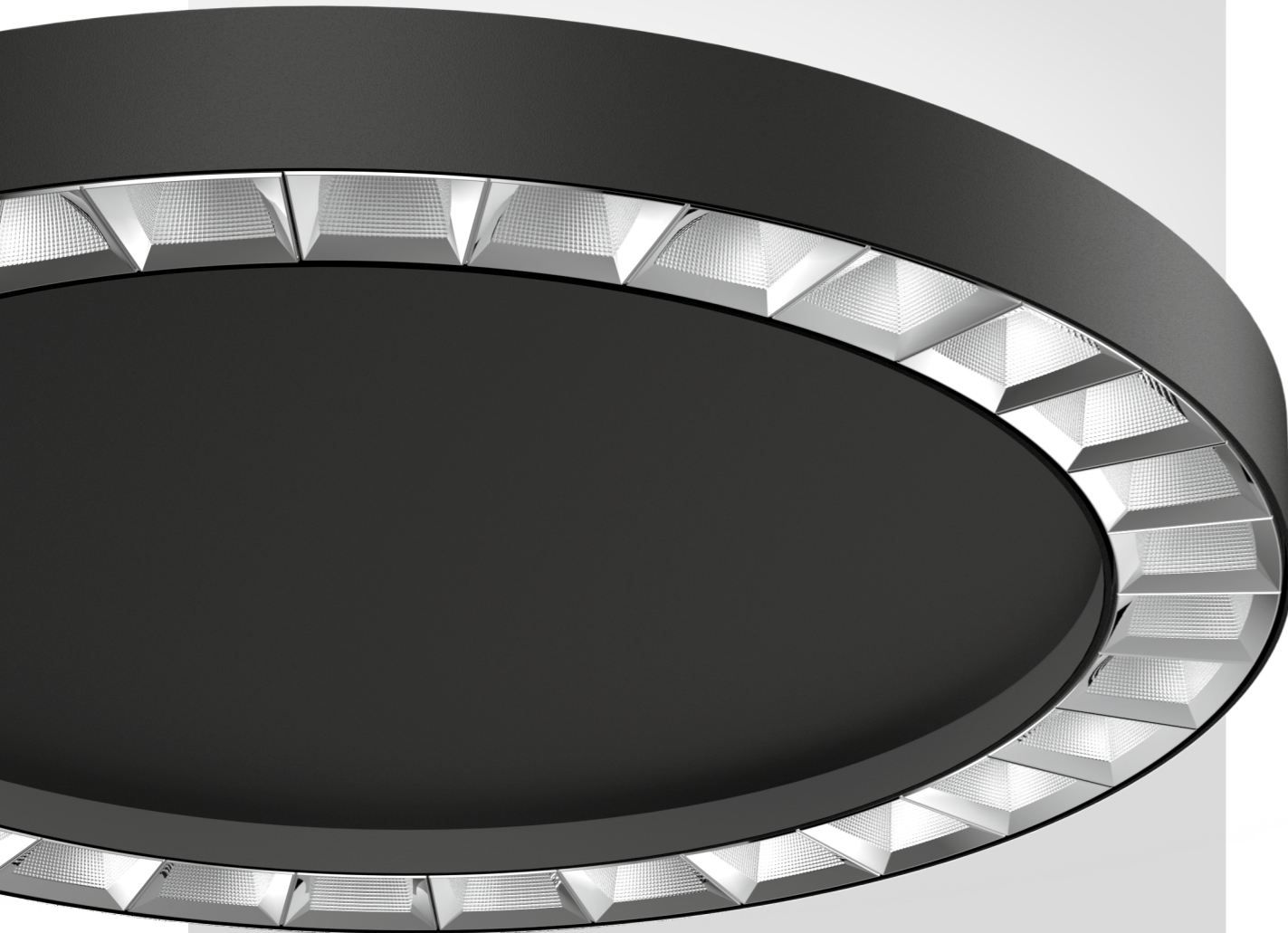
## RECOVER



682

wall

# Discreet perfection

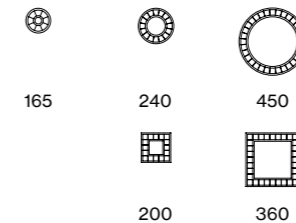


## MITA

**EN** MITA combines high performance with a slim design language and its wide range of applications is impressive. The product family is available as recessed or surface-mounted luminaires in a round or square design. All the versions of the luminaire have special reflectors for the best screen-compatible work lighting – perfect for use in offices or meeting rooms. MITA circle 160 recessed and its central extension also open up a wide range of new possibilities. Optional accessories can be added: covers, sensors for smart lighting control, emergency lighting inserts, or SASSO 60 spotlights with various reflectors. The product family is available in the light colours 3000K, 4000K, or Tunable White. Optionally, the luminaire can be equipped with a presence and brightness sensor.

**DE** MITA vereint Leistungsstärke mit schlanker Formensprache und besticht durch vielfältige Einsatzmöglichkeiten. Die Produktfamilie ist als Einbau- oder Anbauleuchte in runder oder quadratischer Ausführung verfügbar. In allen Ausführungen verfügt die Leuchte über spezielle Reflektoren für bestes, bildschirmtaugliches Arbeitslicht – perfekt für den Einsatz in Büros oder Meetingräumen. Mit MITA circle 160 recessed eröffnen sich zudem vielfältige neue Möglichkeiten durch eine Erweiterung in der Mitte. Optional kann Zubehör ergänzt werden: Abdeckungen, Sensoren für die smarte Lichtsteuerung, Notlichteinsätze oder SASSO 60 Strahler mit verschiedenen Reflektoren. Die Produktfamilie ist in den Lichtfarben 3000K, 4000K oder als Tunable White Option erhältlich. Optional kann die Leuchte mit einem Anwesenheits- und Helligkeitssensor ausgestattet werden.

### Types



165

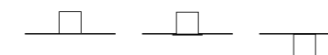
240

450

200

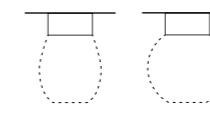
360

### Mountings

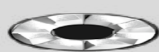
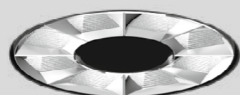
trimless  
recessedwith trim  
recessed

ceiling

### Light distributions

reflector  
(UGR ≤ 19)opal  
(ceiling)

← back



## MITA circle 160

recessed

**EN** Ring shaped luminaire housing in die-cast aluminium; extremely slim design; recessed luminaire with trim (suitable for ceiling thickness of 2-25 mm); or for trimless installation in plasterboard ceilings (suitable for ceiling thickness of 12.5/15/20/25 mm); surface powder coated; incl. blind cover made of plastic in the cut-out; optional: SASSO 60 round, SASSO 60 round sensor or SASSO 60 round emergency round for installation in the cut-out available as an accessory; high-gloss reflector with faceted design; energy-efficient LEDs with very good colour rendering

**DE** Ringförmiger Leuchtenkörper aus Aluminiumdruckguss; extrem schlanke Bauform; Einbauleuchte mit umlaufendem Rand (geeignet für Deckenstärken von 2-25 mm); oder für randlosen Einbau in Gipskartondecken (geeignet für Deckenstärken 12,5/15/20/25 mm); Oberfläche pulverbeschichtet; inkl. Blindabdeckung aus Kunststoff im Innenausschnitt; optional: SASSO 60 round, SASSO 60 sensor round oder SASSO 60 emergency round zum Einsetzen im Innenausschnitt als Zubehör erhältlich; hochglänzender Reflektor mit Facettenoptik; energieeffiziente LEDs mit sehr guter Farbwiedergabe

### Quickinfo

3000K, 4000K, TW  
 CRI ≥ 80, 3 SDCM  
 UGR ≤ 19 / 65° ≤ 1500 cd/m²  
 up to 134 lm/W  
 L95 @ 50 000 h  
 non DIM, DALI-2  
 reflector (UGR ≤ 19)

### Types



### Colours



### Light distribution



### Order options

**COLOUR TEMPERATURE**  
 3000K 5  
 4000K 6  
 tunable white 2700–6500 K\* D  
 \*DALI-2 DT8

### CONTROL

non DIM  
 DALI-2

### MATERIAL COLOUR

○ pure white RAL 9010 7  
 ● jet black RAL 9005 8

### LIGHT OPTIC COVER

reflector (UGR ≤ 19)

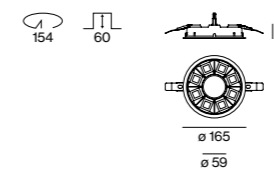
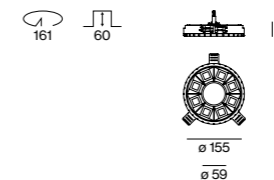
### Options on request

### COLOUR RENDERING INDEX

CRI ≥ 90

### GRID CEILING MOUNTING

installed in module 600 × 600 mm  
 installed in module 625 × 625 mm



### MITA circle 160 trimless



### DIRECT

INSET POWER	COLOUR TEMP.	LUMINOUS FLUX	ORDER CODE
6.6 W 22 Vf 300 mA	3000 K 4000 K	1120 lm 1180 lm	0 7 4 - 8 2 2 2 :: 1 R

### MITA circle 160 trim



### DIRECT

INSET POWER	COLOUR TEMP.	LUMINOUS FLUX	ORDER CODE
6.6 W 22 Vf 300 mA	3000 K 4000 K	1120 lm 1180 lm	0 7 4 - 8 1 2 2 :: 1 R

### Electrical accessories

POWER SUPPLY 220-240 V AC, 50-60 Hz, PC II

TYPE	EFFICIENCY	L-W-H (mm)	ORDER CODE
300 mA   non DIM	η 89 %	147-44-22	0 0 2 - 9 1 1 2 2
300 mA   DALI-2	η 87 %	97-43-30	0 0 2 - 9 1 1 2 0
375 mA   DALI-2 DT8	η 83 %	129-79-30	0 0 2 - 9 1 1 2 1

### DIN RAIL COMPONENTS

TYPE	W-H-D (mm)	ORDER CODE
POWER SUPPLY 220-240 V AC 96 W   48V DC constant voltage	90-90-60	0 0 5 - 6 5 2 0 2 1 0
LED DRIVER DALI-2 DT6 1-2 addr. 200-1050 mA settable const. current 2 × 42W   48V DC   U <sub>OUT</sub> 10-40 V	36-88-59	0 0 5 - 6 1 2 1 0 3 0

for more details and components see page 981

### Accessories

#### SASSO 60 SPOTLIGHT

TYPE	ORDER CODE
SASSO 60 round adjustable	see page 120
SASSO 60 round downlight	see page 120

#### SASSO 60 SENSOR

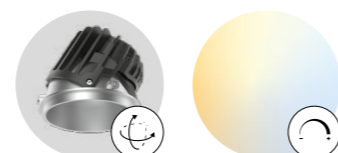
TYPE	ORDER CODE
SASSO 60 ESSENTIAL sensor	see page 124
SASSO 60 SENSE sensor	see page 124

#### SASSO 60 EMERGENCY LIGHT

TYPE	ORDER CODE
SASSO 60 emergency light	see page 124

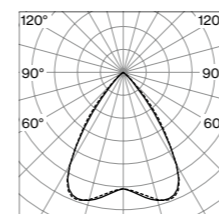


DIN EN 12464-1 UGR ≤ 19 trimless install. in plasterboard



SASSO 60 inset ready tunable white 2700-6500K

### Light distribution

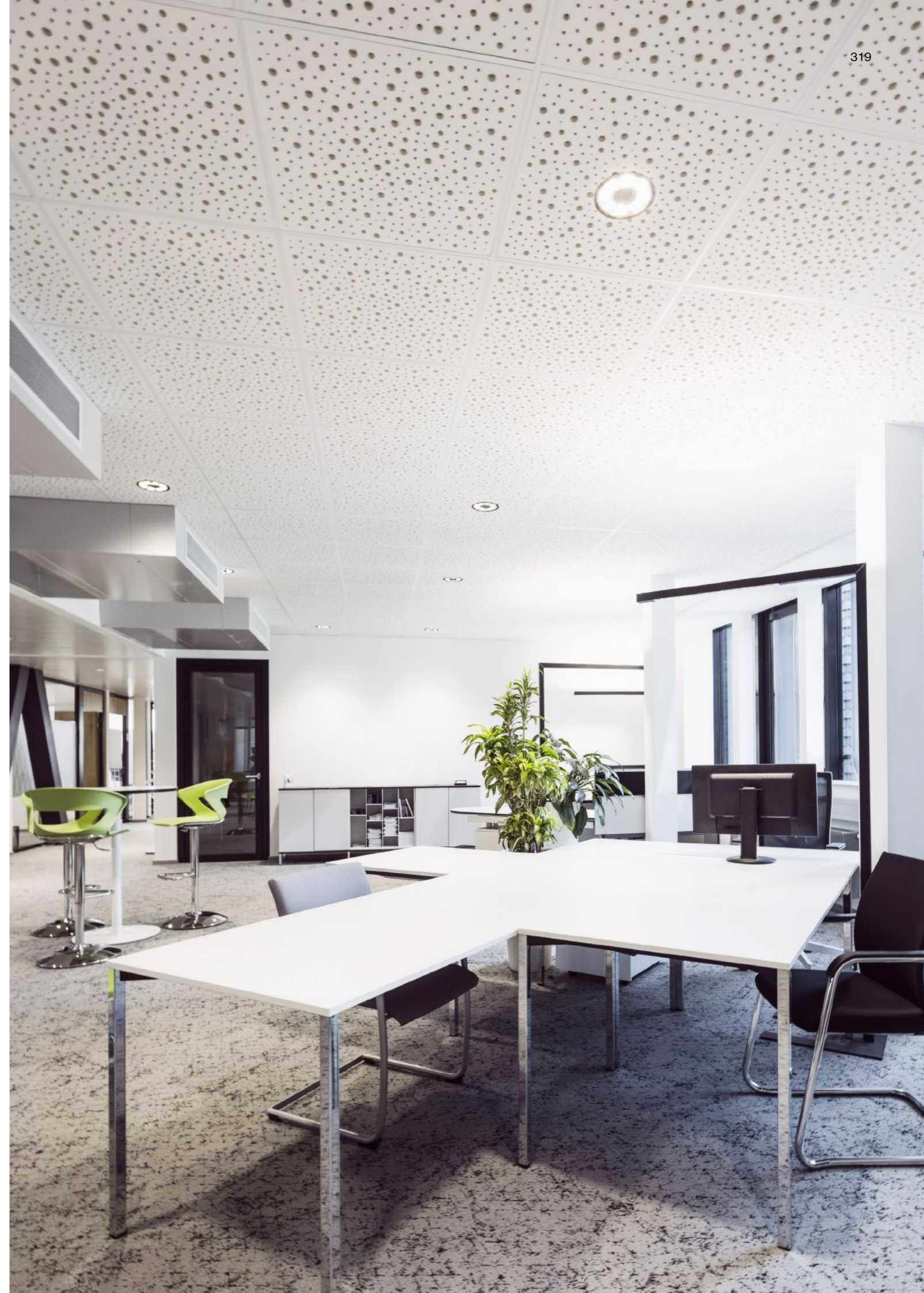


reflector (UGR ≤ 19)  
 direct

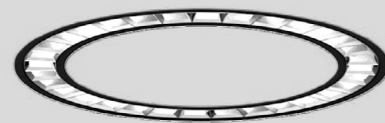
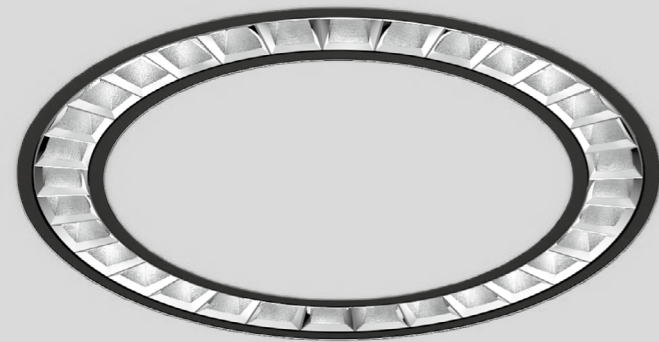
**INSET POWER** in watts is the current consumption excluding any ballast  
**LUMINOUS FLUX** value calculated for CRI ≥ 80, colour white, reflector chrome



**ALLPLAN Österreich GmbH**  
Graz, AT



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## MITA circle 240 / 450

recessed with trim

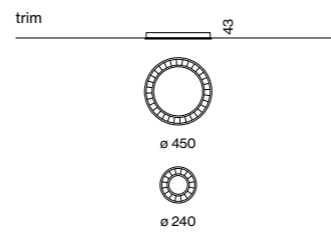
EN Ring shaped luminaire housing in die-cast aluminium; extremely slim design; recessed luminaire with trim; optional: blind cover to cover the cut-out available as an accessory; suitable for ceiling thickness of 2-25 mm; surface powder coated; high-gloss reflector with faceted design; energy-efficient LEDs with very good colour rendering

DE Ringförmiger Leuchtenkörper aus Aluminiumdruckguss; extrem schlanke Bauform; Einbauleuchte mit umlaufendem Rand; optional: Blindabdeckung zum Einlegen im Innenausschnitt als Zubehör erhältlich; geeignet für Deckenstärken von 2-25 mm; Oberfläche pulverbeschichtet; hochglänzender Reflektor mit Facettenoptik; energieeffiziente LEDs mit sehr guter Farbwiedergabe

### Quickinfo

3000K, 4000K, TW  
 CRI ≥ 80, 3 SDCM  
 UGR ≤ 19 / 65° ≤ 1500 cd/m²  
 up to 134 lm/W  
 L95 @ 50 000 h  
 DALI-2  
 reflector (UGR ≤ 19)

### Types



### Colours



### Light distribution



### Order options

**COLOUR TEMPERATURE**  
 3000K 5  
 4000K 6  
 tunable white 2700–6500 K\* D  
 \*DALI-2 DT8

### CONTROL

DALI-2

### MATERIAL COLOUR

○ pure white RAL 9010 7  
 ● jet black RAL 9005 8

### LIGHT OPTIC COVER

reflector (UGR ≤ 19)

### Options on request

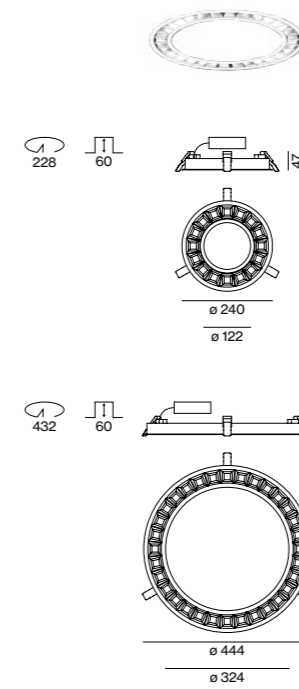
**COLOUR RENDERING INDEX**  
 CRI ≥ 90

### GRID CEILING MOUNTING

installed in module 600 × 600 mm  
 installed in module 625 × 625 mm

### INLAY

sensor  
 emergency light



### MITA circle 240 trim



### DIRECT

SYSTEM POWER	COLOUR TEMP.	LUMINOUS FLUX	ORDER CODE
14.2 W	3000 K	2080 lm	074-8114::3R
	4000 K	2200 lm	

### MITA circle 450 trim



### DIRECT

SYSTEM POWER	COLOUR TEMP.	LUMINOUS FLUX	ORDER CODE
31 W	3000 K	4510 lm	074-8116::3R
	4000 K	4750 lm	
42 W	3000 K	5830 lm	074-8126::3R
	4000 K	6140 lm	

### Accessories

#### BLIND COVER

TYPE	ORDER CODE
MITA 240 circle recessed	074-891141
MITA 450 circle recessed	074-891161



suitable for plaster-board or grid ceilings

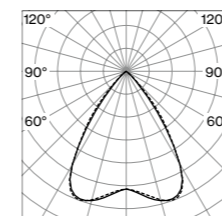


DIN EN 12464-1  
 UGR ≤ 19



tunable white  
 2700–6500 K

### Light distribution



reflector (UGR ≤ 19)  
 direct

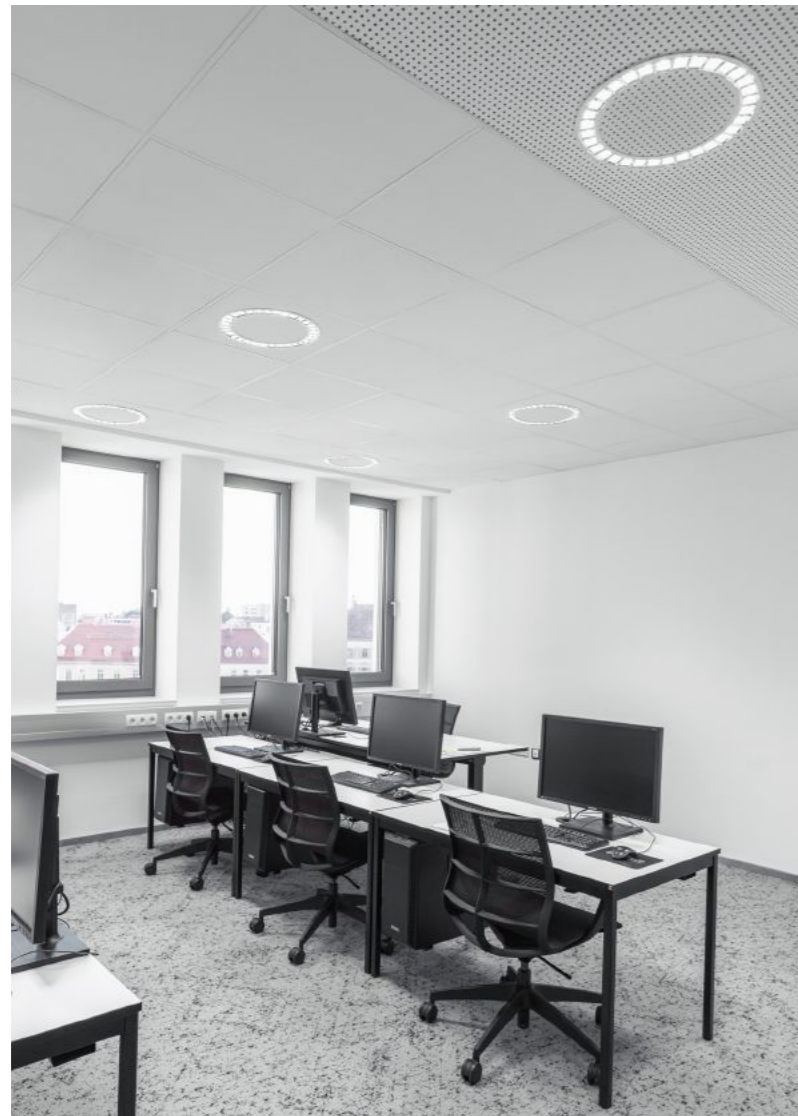
LUMINOUS FLUX value calculated for  
 CRI ≥ 80, colour white, reflector chrome

**Endress + Hauser GmbH**

Vienna, AT – by FOKURA Luxury Interior /  
Reinhard Strepfl with lighting design by  
TB Heil & Schafzahl GmbH / Ing. Gerhard Heil

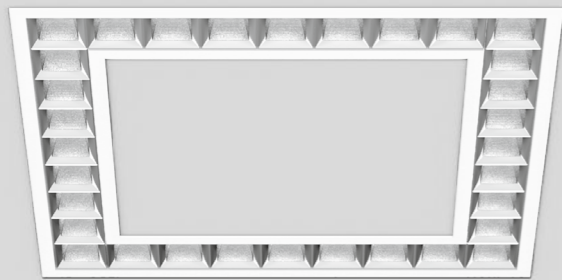


**ALLPLAN Österreich GmbH**  
Graz, AT





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## MITA square

recessed with trim

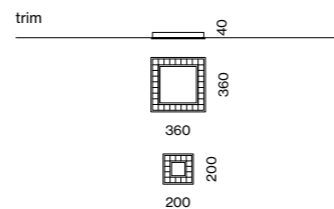
EN Square luminaire housing in die-cast aluminium; extremely slim design; recessed luminaire with trim; optional: blind cover to cover the cut-out available as an accessory; suitable for ceiling thickness of 2-25 mm; surface powder coated; high-gloss reflector with faceted design; energy-efficient LEDs with very good colour rendering

DE Quadratischer Leuchtenkörper aus Aluminiumdruckguss; extrem schlanke Bauform; Einbauleuchte mit umlaufendem Rand; optional: Blindabdeckung zum Einlegen im Innenausschnitt als Zubehör erhältlich; geeignet für Deckenstärken von 2-25 mm; Oberfläche pulverbeschichtet; hochglänzender Reflektor mit Facettenoptik; energieeffiziente LEDs mit sehr guter Farbwiedergabe

### Quickinfo

3000K, 4000K, TW  
 CRI ≥ 80, 3 SDCM  
 UGR ≤ 19 / 65° ≤ 1500 cd/m²  
 up to 155 lm/W  
 L95 @ 50 000 h  
 DALI-2  
 reflector (UGR ≤ 19)

### Types



### Colours



### Light distribution



suitable for plaster-board or grid ceilings



DIN EN 12464-1  
 UGR ≤ 19



tunable white  
 2700–6500K

### Order options

COLOUR TEMPERATURE	
3000K	5
4000K	6
tunable white 2700–6500K*	D

\*DALI-2 DT8

### CONTROL

DALI-2

### MATERIAL COLOUR

○ pure white RAL 9010	7
● jet black RAL 9005	8

### LIGHT OPTIC COVER

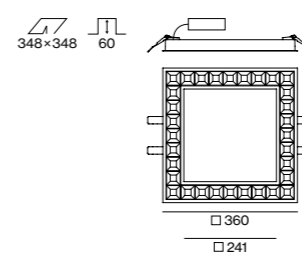
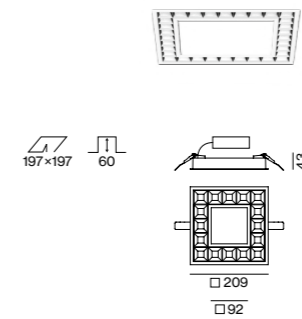
reflector (UGR ≤ 19)

### Options on request

COLOUR RENDERING INDEX  
 CRI ≥ 90

### GRID CEILING MOUNTING

installed in module 600 × 600 mm  
 installed in module 625 × 625 mm



### MITA square 200 trim



### DIRECT

SYSTEM POWER	COLOUR TEMP.	LUMINOUS FLUX	ORDER CODE
14.2W	3000K	2080lm	074-8314::3R
	4000K	2200lm	

### MITA square 360 trim



### DIRECT

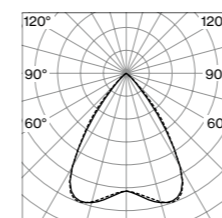
SYSTEM POWER	COLOUR TEMP.	LUMINOUS FLUX	ORDER CODE
31W	3000K	4510lm	074-8316::3R
	4000K	4750lm	
42W	3000K	5830lm	074-8326::3R
	4000K	6150lm	

### Accessories

#### BLIND COVER

TYPE	ORDER CODE
MITA 200 square recessed	074-891341
MITA 360 square recessed	074-891361

### Light distribution



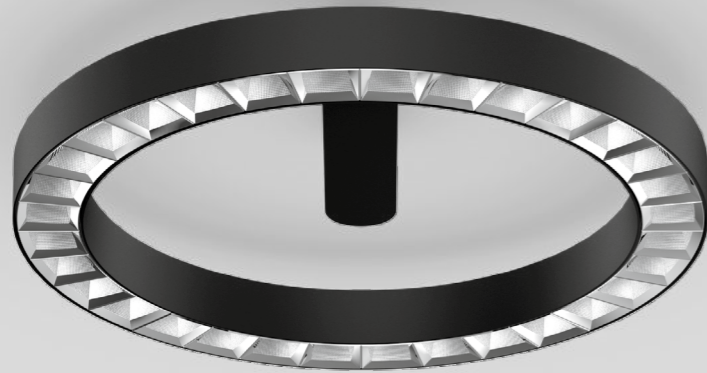
reflector (UGR ≤ 19)  
 direct

LUMINOUS FLUX value calculated for  
 CRI ≥ 80, colour white, reflector chrome



Classroom  
Visualisation

← back



## MITA circle

ceiling

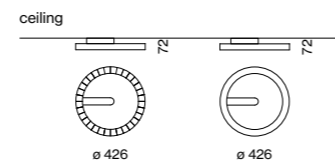
**EN** Ring shaped luminaire housing in die-cast aluminium; extremely slim design (only 42 x 42 mm); surface powder coated; luminaire housing set away from ceiling; electronic operating unit installed in the surface mounted housing; surface mounted housing aligned from the ring to the center; optional: blind cover to cover the cut-out, held by magnet, available as an accessory; high-gloss reflector with faceted design; HPO (High Performance Opal) cover for uniform illumination; either with direct or direct/indirect light distribution; energy-efficient LEDs with very good colour rendering

**DE** Ringförmiger Leuchtenkörper aus Aluminiumdruckguss; extrem schlanke Bauform (nur 42 x 42 mm); Oberfläche pulverbeschichtet; Leuchtenkörper von der Decke abgesetzt; elektronisches Betriebsgerät im Anbauehäuse verbaut; Anbauehäuse vom Ring ins Zentrum ausgerichtet; optional: Blindabdeckung, mittels Magnet im Innenausschnitt befestigt, als Zubehör erhältlich; hochglänzender Reflektor mit Facettenoptik; HPO (High Performance Opal) Abdeckung für homogene Ausleuchtung; wahlweise mit direkter bzw. direkt/indirekter Abstrahlcharakteristik; energieeffiziente LEDs mit sehr guter Farbwiedergabe

### Quickinfo

3000K, 4000K, TW  
CRI ≥ 80, 3 SDCM  
UGR ≤ 19 / 65° ≤ 1500 cd/m²  
up to 146 lm/W  
L90 @ 50 000 h  
DALI-2, DALI-2 sensor  
reflector (UGR ≤ 19), opal

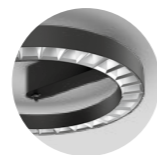
### Types



### Colours



### Light distributions



sensor version  
available



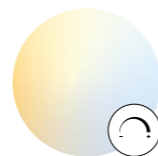
version with  
opal cover



magnetic  
blind cover



DIN EN 12464-1  
UGR ≤ 19



tunable white  
2700–6500K

### Order options

**COLOUR TEMPERATURE**

3000K	5
4000K	6
tunable white 2700–6500K*	D

\*DALI-2 DT8

**CONTROL**

DALI-2	3
DALI-2 ESSENTIAL sensor (brightness & presence)	B
DALI-2 SENSE sensor (brightness, presence, temp., sound pressure, humidity, CO <sub>2</sub> )	P

**MATERIAL COLOUR**

○ pure white RAL 9010	7
● jet black RAL 9005	8

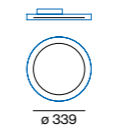
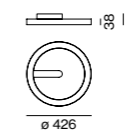
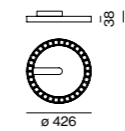
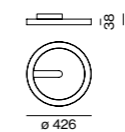
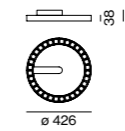
**LIGHT OPTIC COVER**

reflector	
opal	

### Options on request

**COLOUR RENDERING INDEX**

CRI ≥ 90	
----------	--



### MITA circle 450 ceiling



#### REFLECTOR DIRECT

SYSTEM POWER	COLOUR TEMP.	LUMINOUS FLUX	ORDER CODE
31W	3000K	4510 lm	074-75111
42W	3000K	5830 lm	074-75211
	4000K	6140 lm	

#### OPAL DIRECT

SYSTEM POWER	COLOUR TEMP.	LUMINOUS FLUX	ORDER CODE
27W	3000K	2650 lm	074-75111
	4000K	2810 lm	



#### REFLECTOR DIRECT / INDIRECT SOFT

SYSTEM POWER	COLOUR TEMP.	LUMINOUS FLUX	ORDER CODE
31W	3000K	↓ 4370 / ± 140 lm	074-75311
42W	3000K	↓ 5660 / ± 170 lm	074-75611
	4000K	↓ 5960 / ± 180 lm	

#### OPAL DIRECT / INDIRECT SOFT

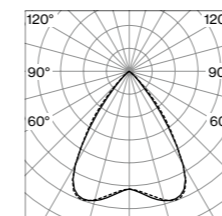
SYSTEM POWER	COLOUR TEMP.	LUMINOUS FLUX	ORDER CODE
27W	3000K	↓ 2570 / ± 80 lm	074-75311
	4000K	↓ 2730 / ± 80 lm	

### Accessories

#### BLIND COVER

TYPE	ORDER CODE
MITA circle 450 ceiling	074-891162
MITA circle 450 ceiling sensor	074-891163

### Light distribution



reflector (UGR ≤ 19)  
direct

**LUMINOUS FLUX** value calculated for  
CRI ≥ 80, colour white, reflector chrome

**Conference room**  
Visualisation



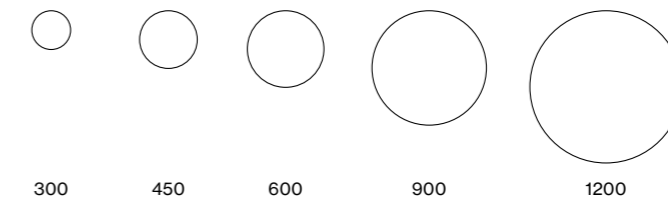
# All-round performer

## COMBO

**EN** COMBO has a narrow trim and is perfectly integrated into the ceiling. It creates a calm, even ceiling appearance with pleasant and uniform room illumination. The circular luminaire owes this to its opal cover. COMBO's microprismatic cover variant reduces the glare value to  $UGR \leq 19$ : ideal for standard-compliant computer workstations. Depending on the desired lighting mood, COMBO is available in the light colours 3000 K, 4000 K, or Tunable White.

**DE** Ein schmaler Rand, bestmöglich integriert in die Raumdecke: COMBO erzeugt ein ruhiges, einheitliches Deckenbild bei angenehmer und gleichmäßiger Raumausleuchtung. Diese verdankt die Rundleuchte ihrem Opal-Cover. In der Version mit mikroprismatischer Abdeckung reduziert COMBO den Blendwert auf  $UGR \leq 19$  – ideal für den normgerechten Bildschirmarbeitsplatz. Je nach gewünschter Lichtstimmung ist COMBO in den Lichtfarben 3000 K, 4000 K oder Tunable White verfügbar.

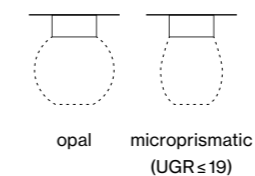
### Types



### Mounting



### Light distributions



← back



## COMBO

recessed with trim

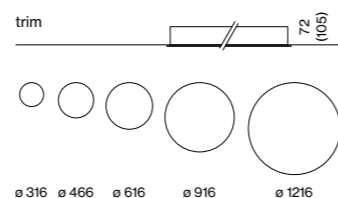
EN Round luminaire housing in aluminium with trim; suitable for installation in plasterboard ceilings; suitable for ceiling thickness of 10-25 mm; surface powder coated; up to ø600 mm: installation without tools using snap spring closure; highly reflective coating of the PCB for improved efficiency; completely homogeneously illuminated, satinised or microprismatic PMMA cover; energy-efficient LEDs with very good colour rendering; external converter for ceiling insertion, for through-wiring suitable

DE Runder Leuchtenkörper aus Aluminium mit umlaufendem Rand; geeignet für den Einbau in Gipskartondecken; geeignet für Deckenstärken von 10-25 mm; Oberfläche pulverbeschichtet; bis ø600 mm werkzeuglose Montage mittels Schnappfederverschluss; hochreflektierende Beschichtung der Platine für verbesserten Wirkungsgrad; absolut homogen ausgeleuchtete, satinierte oder mikroprismatische PMMA-Abdeckung; energieeffiziente LEDs mit sehr guter Farbwiedergabe; externer Konverter für Deckeneinwurf, für Weiterverdrahtung geeignet

### Quickinfo

3000K, 4000K  
CRI ≥ 80, 3 SDCM  
UGR ≤ 19 / 65° ≤ 3000 cd/m²  
up to 145 lm/W  
L90 @ 50 000h  
non DIM, DALI-2  
opal, microprismatic (UGR ≤ 19)

### Types



### Colour



### Light distribution



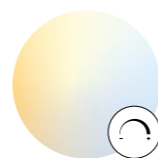
direct



Data Monitoring  
DiiA® standards  
251, 252, 253



DIN EN 12464-1  
UGR ≤ 19



tunable white  
2700-6500K

### Order options

**COLOUR TEMPERATURE** ☰  
3000K 5  
4000K 6

**CONTROL** ⬆  
non DIM 1  
DALI-2 3

### MATERIAL COLOUR

pure white RAL 9010

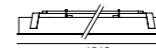
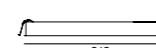
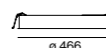
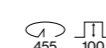
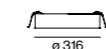
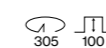
**LIGHT OPTIC COVER** ☑  
opal O  
microprismatic (UGR ≤ 19) K

### Options on request

**COLOUR RENDERING INDEX**  
CRI ≥ 90

**COLOUR TEMPERATURE**  
tunable white 2700-6500K (2 × DALI)

**EMERGENCY LIGHT**  
1h accupack  
3h accupack



### COMBO 300 trim



#### DIRECT

SYSTEM POWER	COLOUR TEMP.	LUMINOUS FLUX	ORDER CODE
10.1W	3000K	993 lm	064-1031::7
	4000K	1050 lm	

### COMBO 450 trim



#### DIRECT

SYSTEM POWER	COLOUR TEMP.	LUMINOUS FLUX	ORDER CODE
16.7W	3000K	2050 lm	064-1041::7
	4000K	2170 lm	

### COMBO 600 trim



#### DIRECT

SYSTEM POWER	COLOUR TEMP.	LUMINOUS FLUX	ORDER CODE
31W	3000K	4020 lm	064-1051::7
	4000K	4250 lm	

### COMBO 900 trim



#### DIRECT

SYSTEM POWER	COLOUR TEMP.	LUMINOUS FLUX	ORDER CODE
58W	3000K	7440 lm	064-1071::37
	4000K	7880 lm	

### COMBO 1200 trim



#### DIRECT

SYSTEM POWER	COLOUR TEMP.	LUMINOUS FLUX	ORDER CODE
92W	3000K	12610 lm	064-1081::37
	4000K	13350 lm	

### Accessories

#### MOUNTING RING FOR ACOUSTIC CEILING

TYPE	ORDER CODE
COMBO 300	064-1906300
COMBO 450	064-1906400
COMBO 600	064-1906500
COMBO 900	064-1906700
COMBO 1200	064-1906800

LUMINOUS FLUX value calculated for  
CRI ≥ 80, colour white, cover opal

**Raiffeisenbank Gmunden** Salzkammergut, AT –  
by INNOCAD Architektur ZT



**Hargassner Energy World** Linz, AT –  
by architekten berger.hofmann og & tech3  
Projektentwicklung GmbH with lighting design  
by AREA C.I.DESIGN GmbH





# Timeless perfection

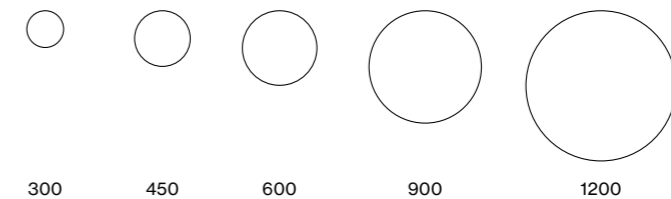


## VELA

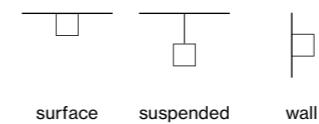
**EN** As one of XAL's first round luminaires, VELA has been perfected over the years. Innovative technology hides behind its flat, minimalistic design. VELA surface can be wall or ceiling mounted. The suspended version has either a classic cable suspension or a chrome-plated pendulum tube suspension that can be shortened. To adapt to a variety of interior designs, VELA is available in an extensive colour palette and in the light colours 3000K, 4000K, or Tunable White (2700K–6500K) on request. A microprismatic cover is ideal for workstations. An opal cover provides homogeneous basic lighting. An optional direct/indirect beam characteristic illuminates the ceiling and creates ambience.

**DE** VELA war eine der ersten XAL-Rundleuchten und wurde über die Jahre konstant perfektioniert. In ihrem flachen, reduzierten Design verbirgt sich innovative Technologie. Während VELA surface für Wand- und Deckenanbau geeignet ist, verfügt die abgehängte Variante wahlweise über eine klassische Seilabhängung oder eine verchromte, individuell kürzbare Pendelrohrabhängung. Um sich einer Vielzahl an Innenraumgestaltungen anzupassen, ist VELA in einer großen Farbpalette und in den Lichtfarben 3000K, 4000K oder optional als Tunable White (2700K–6500K) erhältlich. Je nach Abdeckung kommt sie mikroprismatisch am Arbeitsplatz oder opal für homogene Grundausleuchtung zum Einsatz. Eine optionale direkt/indirekte Abstrahlcharakteristik erhellt die Decke und schafft Ambiente.

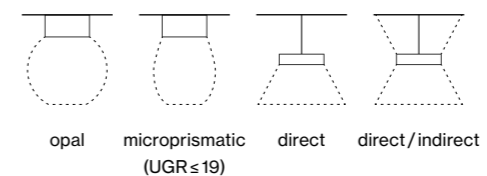
### Types



### Mountings



### Light distributions



← back



# VELA

surface

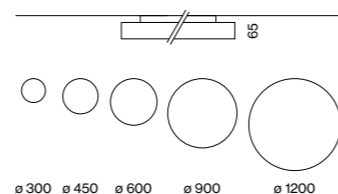
EN Round luminaire housing in aluminium, rolled profile, seamlessly welded; surface powder coated; quick mounting system without tools; highly reflective coating of the PCB for improved efficiency; completely homogeneously illuminated, satinised PMMA cover; up to ø600mm: microprismatic PMMA cover; either with direct or direct/indirect light distribution; energy-efficient LEDs with very good colour rendering; luminaire with 2 cable openings and plug-in terminals for through wiring

DE Runder Leuchtenkörper aus Aluminium, gerolltes Profil, nahtlos verschweißt; Oberfläche pulverbeschichtet; werkzeugloses Schnellmontagesystem; hochreflektierende Beschichtung der Platine für verbesserten Wirkungsgrad; absolut homogen ausgeleuchtete, satinierte PMMA-Abdeckung; bis ø600mm: mikroprismatische PMMA-Abdeckung; wahlweise mit direkter bzw. direkt/indirekter Abstrahlcharakteristik; energieeffiziente LEDs mit sehr guter Farbwiedergabe; Leuchte mit 2 Kabelöffnungen und Steckklemme für Weiterverdrahtung

## Quickinfo

3000K, 4000K  
 CRI ≥ 80, 3 SDCM  
 UGR ≤ 19 / 65° ≤ 3000 cd/m²  
 up to 153 lm/W  
 L90 @ 50 000 h  
 non DIM, DALI-2  
 opal, microprismatic (UGR ≤ 19)

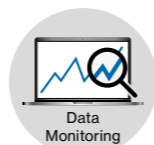
## Types



## Colours



## Light distributions

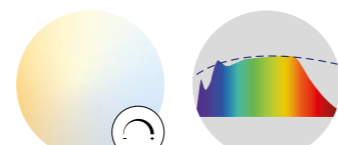


DiiA® standards  
 251, 252, 253



DIN EN 12464-1  
 UGR ≤ 19

easy mounting  
 (click-system)



tunable white  
 2700–6500 K

CRI ≥ 98  
 XPECTRUM

## Order options

COLOUR TEMPERATURE	
3000 K	5
4000 K	6

CONTROL	
non DIM	1
DALI-2	3

MATERIAL COLOUR	
○ pure white RAL 9010	7
● white aluminium RAL 9006	G
● jet black RAL 9005	8
● special colours p.992	X

LIGHT OPTIC COVER	
opal high performance	O
microprismatic (UGR ≤ 19)	K

## Options on request

COLOUR RENDERING INDEX	
CRI ≥ 90	
CRI ≥ 98 XPECTRUM	

COLOUR TEMPERATURE	
tunable white 2700–6500 K	
DALI-2 DT8	

EMERGENCY LIGHT	
1h accupack	
3h accupack	
not available for VELA 300	

LUMINOUS FLUX value calculated for 4000 K, CRI ≥ 80, colour white, cover opal 3000 K -5%



## VELA 300 surface



DIRECT		LUMINOUS FLUX		ORDER CODE	
SYSTEM POWER	10.1W	1050 lm		073-1131	3
	16.5W	1800 lm		073-1132	O

DIRECT/INDIRECT SOFT		LUMINOUS FLUX		ORDER CODE	
SYSTEM POWER	10.1W	↓ 1110/↑ 54 lm		073-1137	3
	16.5W	↓ 1900/↑ 92 lm		073-1138	O

## VELA 450 surface



DIRECT		LUMINOUS FLUX		ORDER CODE	
SYSTEM POWER	16.7W	2170 lm		073-1141	3
	30W	3620 lm		073-1142	O

DIRECT/INDIRECT SOFT		LUMINOUS FLUX		ORDER CODE	
SYSTEM POWER	16.7W	↓ 2140/↑ 84 lm		073-1147	3
	30W	↓ 3580/↑ 140 lm		073-1148	O

## VELA 600 surface



DIRECT		LUMINOUS FLUX		ORDER CODE	
SYSTEM POWER	31W	4250 lm		073-1151	3
	42W	5600 lm		073-1150	O
	48W	6290 lm		073-1152	O

DIRECT/INDIRECT SOFT		LUMINOUS FLUX		ORDER CODE	
SYSTEM POWER	31W	↓ 4220/↑ 118 lm		073-1157	3
	42W	↓ 5560/↑ 155 lm		073-1156	O
	48W	↓ 6250/↑ 174 lm		073-1158	O

## VELA 900 ceiling



DIRECT		LUMINOUS FLUX		ORDER CODE	
SYSTEM POWER	71W	9520 lm		073-1171	3

## VELA 1200 ceiling



DIRECT		LUMINOUS FLUX		ORDER CODE	
SYSTEM POWER	147W	20600 lm		073-1181	3

## Accessories

TYPE	ORDER CODE
dismounting tool (for ø600/900/1200)	073-1100000

**Optician and Eyeware Külling**  
St. Gallen, CH –  
by HEIKAUS Concept GmbH





## VELA

suspended

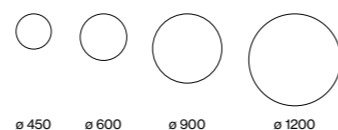
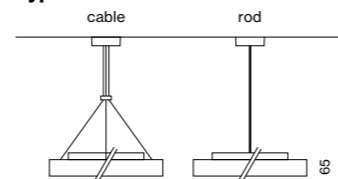
EN Round luminaire housing in aluminium, rolled profile, seamlessly welded; surface powder coated; suspended; with integrated tool-less suspension height adjustment; incl. transparent feed or with height adjustable rod suspension (chrome), feed in rod; highly reflective coating of the PCB for improved efficiency; completely homogeneously illuminated, satinised PMMA cover; up to ø600 mm: microprismatic PMMA cover; either with direct or direct/indirect light distribution; indirect component with special PCBs for increased luminous flux and maximum ceiling illumination; energy-efficient LEDs with very good colour rendering; canopy with 2 cable openings and plug-in terminal for through wiring

DE Runder Leuchtenkörper aus Aluminium, gerolltes Profil, nahtlos verschweißt; Oberfläche pulverbeschichtet; abgependelt; werkzeuglose Höhenverstellung an der Leuchte; inkl. transparenter Einspeiseleitung oder mit kürzbarer Pendelrohrabhangung (chrom), Einspeiseleitung in Pendelrohr; hochreflektierende Beschichtung der Platine für verbesserten Wirkungsgrad; absolut homogen ausgeleuchtete, satinierte PMMA-Abdeckung; bis ø600 mm: mikroprismatische PMMA-Abdeckung; wahlweise mit direkter bzw. direkt/indirekter Abstrahlcharakteristik; Indirektlichtanteil mit eigenen Platinen für erhöhten Lichtstrom und maximale Deckenaufhellung; energieeffiziente LEDs mit sehr guter Farbwiedergabe; Baldachin mit 2 Kabelöffnungen und Steckklemme für Weiterverdrahtung

### Quickinfo

3000K, 4000K  
 CRI ≥ 80, 3 SDCM  
 UGR ≤ 19 / 65° ≤ 3000 cd/m²  
 up to 153 lm/W  
 L90 @ 50 000h  
 non DIM, DALI-2  
 opal, microprismatic (UGR ≤ 19)

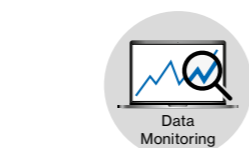
### Types



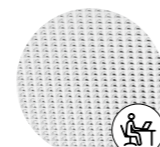
### Colours



### Light distributions



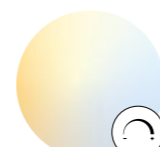
DiiA® standards  
 251, 252, 253



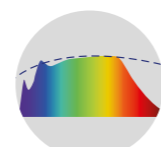
DIN EN 12464-1  
 UGR ≤ 19



direct/indirect  
 illumination



tunable white  
 2700–6500K



CRI ≥ 98  
 XPECTRUM

### Order options

**SUSPENSION**   
 cable 1500mm 2  
 rod 1000mm 4

**COLOUR TEMPERATURE**   
 3000K 5  
 4000K 6

**CONTROL**   
 non DIM 1  
 DALI-2 3

**MATERIAL COLOUR**   
 pure white RAL 9010 7  
 white aluminium RAL 9006 G  
 jet black RAL 9005 8  
 special colours\* p. 992 X  
 \*canopy always in white

**LIGHT OPTIC COVER**   
 opal high performance O  
 microprismatic (UGR ≤ 19) K

### Options on request

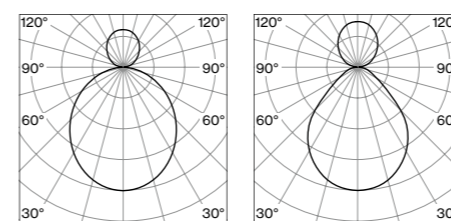
**COLOUR RENDERING INDEX**  
 CRI ≥ 90  
 CRI ≥ 98 XPECTRUM

**SUSPENSION**  
 rod 2000mm

**COLOUR TEMPERATURE**  
 tunable white 2700–6500K  
 DALI-2 DT8

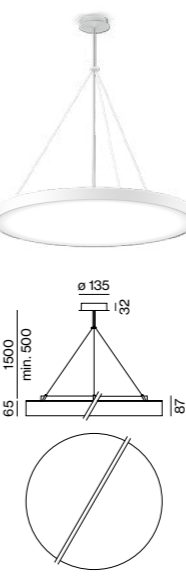
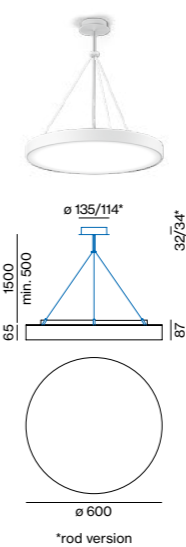
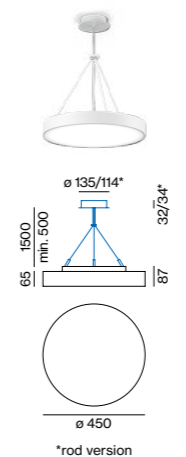
**EMERGENCY LIGHT**  
 1h accupack  
 3h accupack

### Light distributions



opal high performance  
 direct/indirect power  
 microprismatic  
 direct/indirect power

**LUMINOUS FLUX** value calculated for  
 4000K, CRI ≥ 80, colour white, cover opal  
 3000K -5%



ø 900 / 1200

### VELA 450 suspended



DIRECT		LUMINOUS FLUX		ORDER CODE	
SYSTEM POWER	16.7W	2170lm		073-1	41
	30W	3620lm		073-1	42



DIRECT / INDIRECT POWER		LUMINOUS FLUX		ORDER CODE	
SYSTEM POWER	21.1W	↓ 2070 / ↑ 812lm		073-1	44
	35W	↓ 3250 / ↑ 1270lm		073-1	45

### VELA 600 suspended



DIRECT		LUMINOUS FLUX		ORDER CODE	
SYSTEM POWER	31W	4250lm		073-1	51
	42W	5600lm		073-1	50
	48W	6290lm		073-1	52



DIRECT / INDIRECT POWER		LUMINOUS FLUX		ORDER CODE	
SYSTEM POWER	45W	↓ 4350 / ↑ 1970lm		073-1	54
	68W	↓ 6290 / ↑ 2850lm		073-1	55

### VELA 900 suspended



DIRECT		LUMINOUS FLUX		ORDER CODE	
SYSTEM POWER	71W	9520lm		073-1	271



DIRECT / INDIRECT POWER		LUMINOUS FLUX		ORDER CODE	
SYSTEM POWER	96W	↓ 9520 / ↑ 4670lm		073-1	274

### VELA 1200 suspended



DIRECT		LUMINOUS FLUX		ORDER CODE	
SYSTEM POWER	147W	20600lm		073-1	281



DIRECT / INDIRECT POWER		LUMINOUS FLUX		ORDER CODE	
SYSTEM POWER	185W	↓ 20600 / ↑ 6060lm		073-1	284

**Hostpoint AG**  
Rapperswil-Jona, CH –  
by Büronauten AG



MASCHAGENCY GmbH & Co. kg  
Munich, DE – by Gruschwitz GmbH



**Sparkasse Berlin, DE –**  
by blocher partners



# For heavy-duty use

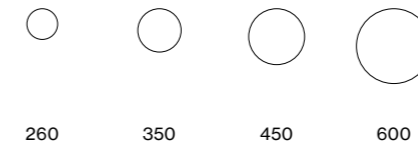


## SONO

**EN** The SONO family of circular luminaires was created especially for heavy-duty use. It has increased dust and insect protection (IP50), and is characterised by an all-round robust housing (IK07). In addition, the SONO IP54 offers increased moisture protection. The SONO Flex recessed luminaire can be recessed or fixed in two positions by employing the Jut-Out function. This can minimise the contrast between the luminaire and ceiling, or change the appearance in the room. As a mounted luminaire, SONO ensures homogeneous ambient illumination thanks to its narrow frame and opal cover. All versions are available in the light colours 3000K, 4000K, or Tunable White.

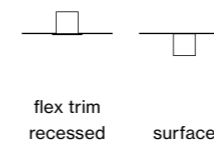
**DE** Die Rundleuchten-Familie SONO wurde speziell für starke Beanspruchung geschaffen. Sie verfügt über einen erhöhten Staub- und Insektenschutz (IP50) und zeichnet sich durch ein rundum robustes Gehäuse (IK07) aus. Zusätzlich bietet die SONO IP54 einen erhöhten Feuchtigkeitsschutz. Die Einbauleuchte SONO Flex kann versenkt oder mittels Jut-Out Funktion hervorstehtend in zwei Positionen fixiert werden: ideal, um den Kontrast zwischen Leuchte und Decke zu minimieren oder die Erscheinung im Raum zu verändern. Als Anbau-Variante sorgt SONO dank ihres schmalen Rahmens und der Opal-Abdeckung für eine homogene Umgebungsbeleuchtung. Alle Varianten sind in den Lichtfarben 3000K, 4000K oder Tunable White verfügbar.

### Types



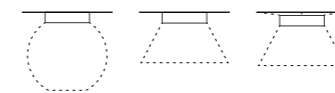
260 350 450 600

### Mountings



flex trim  
recessed surface

### Light distributions



opal direct direct/indirect



## Jut-Out

**EN** The SONO Flex recessed luminaire can assume two positions: recessed into the ceiling or protruding through its Jut-Out function. This allows a change of its effect in a room and the luminaire can either be accentuated or visually blended into the surroundings.

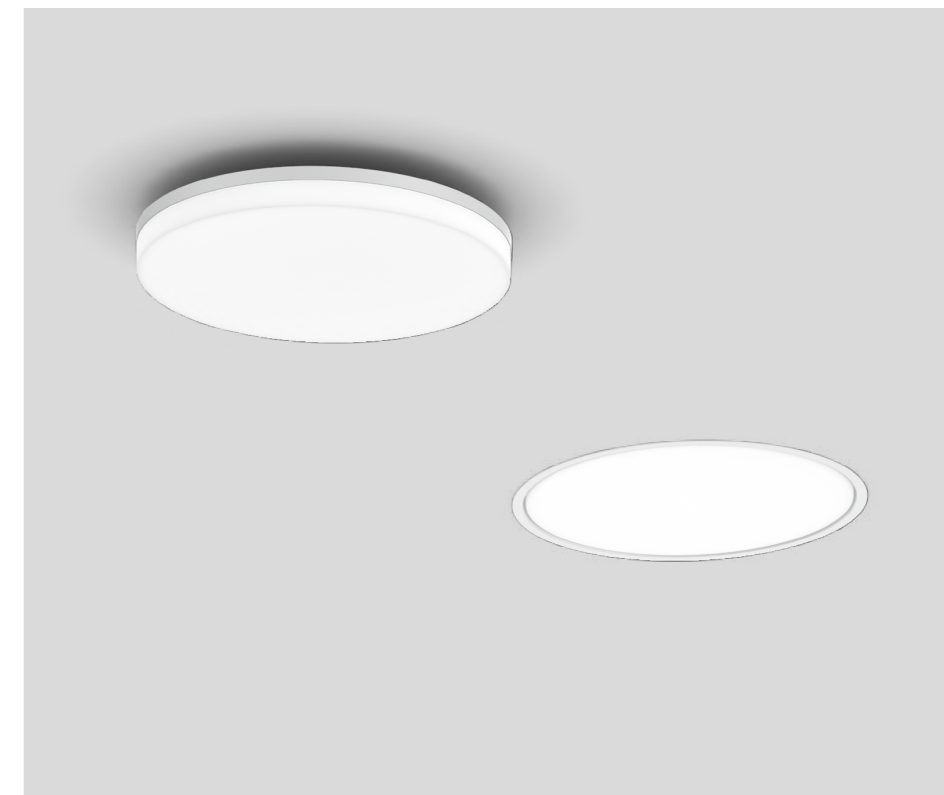
**DE** Die Einbauleuchte SONO Flex kann zwei Positionen einnehmen: versenkt in die Decke oder hervorstehend durch Jut-Out-Funktion. Dadurch lässt sich die Raumwirkung verändern und die Leuchte kann entweder betont oder optisch in die Umgebung eingefügt werden.



## Homogenous quality

**EN** As a recessed luminaire, SONO blends harmoniously into the ceiling. Thanks to its narrow frame and opal cover, the SONO surface-mounted version provides soft, homogeneous ambient light.

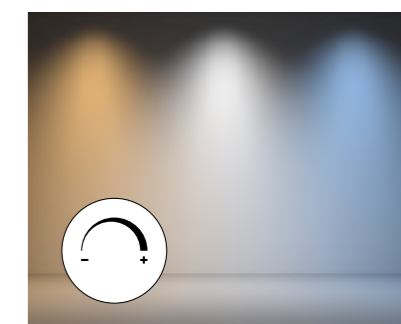
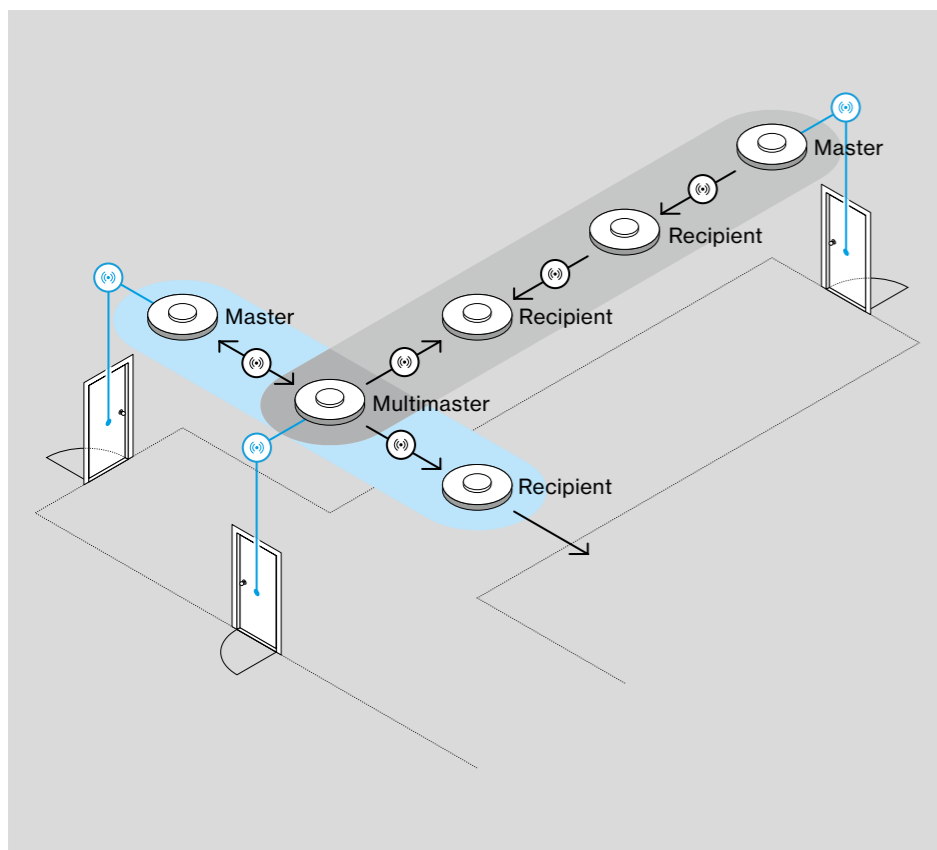
**DE** Als Einbauleuchte integriert sich SONO harmonisch in die Raumdecke. Die SONO Anbau-Variante sorgt dank ihres schmalen Rahmens und der Opal-Abdeckung für ein rundum weich abstrahlendes, homogenes Umgebungslicht.



## Smart controls

**EN** Thanks to an implemented Radar Control System (RCS), SONO reacts to lighting conditions and movements in its vicinity. Brightness and presence sensors wirelessly adjust the light output. The corridor function registers an individual and successively switches luminaires on and off, depending on the direction in which they are moving.

**DE** Durch ein implementiertes Radar Control System (RCS) reagiert SONO auf Lichtverhältnisse und Bewegungen im Umkreis. Helligkeits- bzw. Präsenzsensoren passen den Licht-Output drahtlos an. Die Korridorfunktion registriert eine Person und schaltet Leuchten sukzessive ein und aus – je nachdem, in welche Richtung sie sich bewegt.



## TW – Tunable White

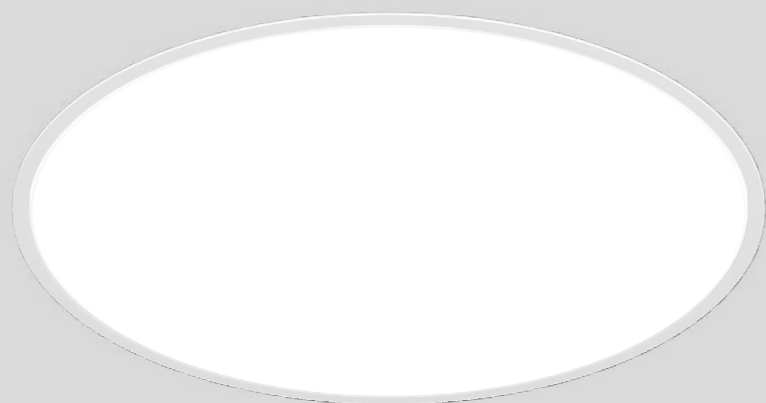
**EN** Changes in the colour of light have a substantial effect on our mood. Tunable White allows the colour temperature to be continuously adjusted from 2700 K (warm light) to 6500 K (cool light) to dynamically adapt the lighting to the time of day or ambient brightness.

**DE** Veränderungen in der Lichtfarbe haben eine starke Wirkung auf unsere Stimmung. Tunable White ermöglicht die stufenlose Verschiebung der Farbtemperatur von 2700 K (warmes Licht) bis 6500 K (kühles Licht), um die Beleuchtung dynamisch an Uhrzeit oder Umgebungshelligkeit anzupassen.

## Robust housing

**EN** The SONO family of circular luminaires was created especially for heavy-duty use. It has increased dust and insect protection (IP 50), and is characterised by an all-round robust housing (IK 07).

**DE** Die Rundleuchten-Familie SONO wurde speziell für starke Beanspruchung geschaffen. Sie verfügt über einen erhöhten Staub- und Insektenschutz (IP 50) und zeichnet sich durch ein rundum robustes Gehäuse (IK 07) aus.



## SONO flex

recessed with trim

**EN** Round recessed luminaire in aluminium, consisting of (SONO) light housing and recessed housing; housing with trim suitable for installation in plasterboard ceilings; suitable for ceiling thickness of 10-25 mm; optionally: installation in concrete ceilings with a special installation housing (available as an accessory); surface powder coated; luminaire installs in housing without tools optionally flush or protruding by 25 mm; completely homogeneously illuminated, satinised PMMA cover; same luminance for all size versions; energy-efficient LEDs with very good colour rendering; luminaire with 2 cable openings and plug-in terminals for through wiring

**DE** Runde Einbauleuchte aus Aluminium, bestehend aus Leuchtenkörper (SONO) und Einbaugehäuse; Gehäuse mit umlaufendem Rand geeignet für den Einbau in Gipskartondecken; geeignet für Deckenstärken von 10-25 mm; optional: Einbau in Betondecken mittels Betoneinbaugehäuse (als Zubehör erhältlich); Oberfläche pulverbeschichtet; Leuchte wahlweise deckenbündig oder 25 mm hervorstehend werkzeuglos im Gehäuse einsetzbar; absolut homogen ausgeleuchtete, satinierte PMMA-Abdeckung; gleiche Leuchtdichte bei allen Größenvarianten; energieeffiziente LEDs mit sehr guter Farbwiedergabe; Leuchte mit 2 Kabelöffnungen und Steckklemme für Weiterverdrahtung

### Quickinfo

3000K, 4000K  
CRI ≥ 80, 3 SDCM  
up to 133lm/W  
L90 @ 50 000h  
non DIM, DALI-2  
opal cover  
IP50

### Types

flex trim  100



### Colour



### Light distribution



direct

### Order options

#### IP RATING

IP50

#### COLOUR TEMPERATURE

3000K 5  
4000K 6

#### CONTROL

non DIM 1  
DALI-2 3

#### MATERIAL COLOUR

○ pure white RAL 9010

#### LIGHT OPTIC COVER

opal

### Options on request

#### COLOUR RENDERING INDEX

CRI ≥ 90

#### COLOUR TEMPERATURE

tunable white 2700–6500 K

DALI-2 DT8

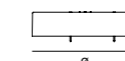
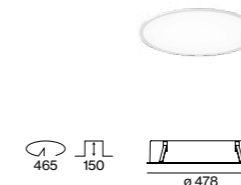
#### CONTROL

RCS Master

RCS Slave

#### EMERGENCY LIGHT

3 h accupack



### SONO FLEX 350 trim



#### DIRECT

SYSTEM POWER	COLOUR TEMP.	LUMINOUS FLUX	ORDER CODE
15.9W	3000K	1940 lm	0 6 3 - 3 2 3 8 :: 7 0
	4000K	2060 lm	

### SONO FLEX 450 trim



#### DIRECT

SYSTEM POWER	COLOUR TEMP.	LUMINOUS FLUX	ORDER CODE
23.2W	3000K	2850 lm	0 6 3 - 3 2 4 8 :: 7 0
	4000K	3010 lm	

### SONO FLEX 600 trim



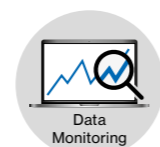
#### DIRECT

SYSTEM POWER	COLOUR TEMP.	LUMINOUS FLUX	ORDER CODE
43W	3000K	5410 lm	0 6 3 - 3 2 5 8 :: 7 0
	4000K	5730 lm	

### Accessories

#### CONCRETE INSTALLATION HOUSING

TYPE	Ø-H (mm)	ORDER CODE
SONO FLEX 350	364-107	0 6 3 - 2 2 3 8 1 0 0
SONO FLEX 450	464-107	0 6 3 - 2 2 4 8 1 0 0
SONO FLEX 600	614-107	0 6 3 - 2 2 5 8 1 0 0



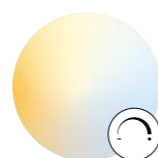
DiiA® standards  
251, 252, 253



flexible jut out  
0 or 25 mm



dust and insect  
protection (IP50)



tunable white  
2700–6500 K

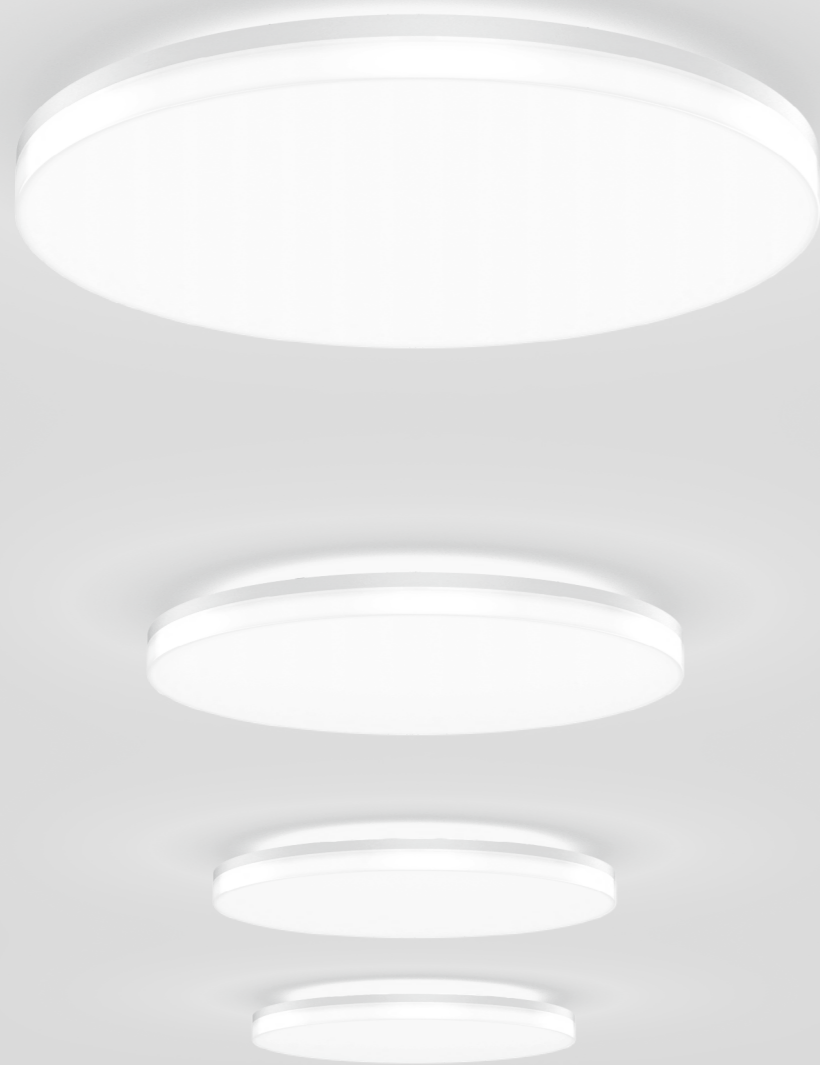
**LUMINOUS FLUX** value calculated for  
CRI ≥ 80, colour white, cover opal



**Volksschule Erlaaer Schleife**  
Vienna, AT – by ARGE Architekten  
Kronaus – Mitterer/Vasko & Partner



← back



## SONO IP50/IP54 surface

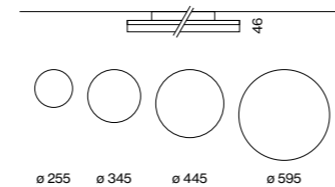
EN Round luminaire housing in die-cast aluminium; surface powder coated; suitable for wall or ceiling mounting; completely homogeneously illuminated, satinised PMMA cover; same luminance for all size versions; energy-efficient LEDs with very good colour rendering; luminaire with 2 cable openings and plug-in terminals for through wiring

DE Runder Leuchtenkörper aus Aluminium-druckguss; Oberfläche pulverbeschichtet; geeignet für Wand- oder Deckenmontage; absolut homogen ausgeleuchtete, satinierte PMMA-Abdeckung; gleiche Leuchtdichte bei allen Größenvarianten; energieeffiziente LEDs mit sehr guter Farbwiedergabe; Leuchte mit 2 Kabelöffnungen und Steckklemme für Weiterverdrahtung

### Quickinfo

3000K, 4000K  
CRI ≥ 80, 3 SDCM  
up to 143lm/W  
L90 @ 50 000h  
non DIM, DALI-2  
opal cover  
IP 40, IP 50, IP 54

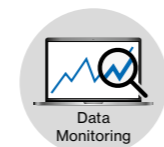
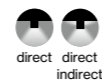
### Types



### Colour



### Light distributions



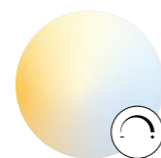
DiiA® standards  
251, 252, 253



easy mounting by  
click-mechanism



dust and insect  
protection (IP 54)



tunable white  
2700–6500K

### Order options

IP RATING ◊  
IP50 0  
IP54 8

COLOUR TEMPERATURE ⋮  
3000K 5  
4000K 6

CONTROL ⬆  
non DIM 1  
DALI-2 3

EMERGENCY LIGHT ●  
3h accupack\* N L 3  
\*not for IP54

MATERIAL COLOUR  
○ pure white RAL 9010

LIGHT OPTIC COVER  
opal

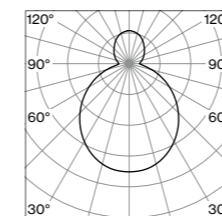
### Options on request

COLOUR RENDERING INDEX  
CRI ≥ 90

COLOUR TEMPERATURE  
tunable white 2700–6500K  
DALI-2 DT8

CONTROL  
RCS Master (☉)  
RCS Slave (☉)

### Light distribution

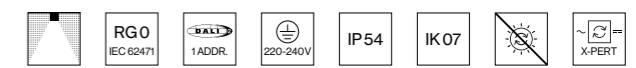


opal  
direct/indirect

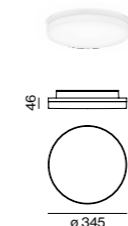
LUMINOUS FLUX value calculated for  
CRI ≥ 80, colour white, cover opal



### SONO 260 surface



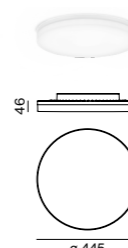
DIRECT  
SYSTEM POWER COLOUR TEMP. LUMINOUS FLUX ORDER CODE  
7.6W 3000K 950lm ◊ 7 1-9 1 2 6 ⋮ 7 0



### SONO 350 surface



DIRECT  
SYSTEM POWER COLOUR TEMP. LUMINOUS FLUX ORDER CODE  
15.9W 3000K 2090lm ◊ 7 1-9 1 3 6 ⋮ 7 0 ●



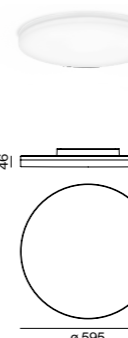
### SONO 450 surface



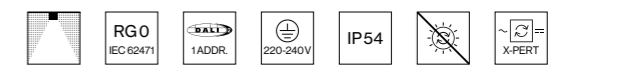
DIRECT  
SYSTEM POWER COLOUR TEMP. LUMINOUS FLUX ORDER CODE  
23.2W 3000K 3070lm ◊ 7 1-9 1 4 6 ⋮ 7 0 ●



DIRECT/INDIRECT  
SYSTEM POWER COLOUR TEMP. LUMINOUS FLUX ORDER CODE  
34W 3000K ↓ 3290 / ± 1130lm 0 7 1-9 1 4 8 ⋮ 7 0



### SONO 600 surface



DIRECT  
SYSTEM POWER COLOUR TEMP. LUMINOUS FLUX ORDER CODE  
43W 3000K 5830lm ◊ 7 1-9 1 5 6 ⋮ 7 0

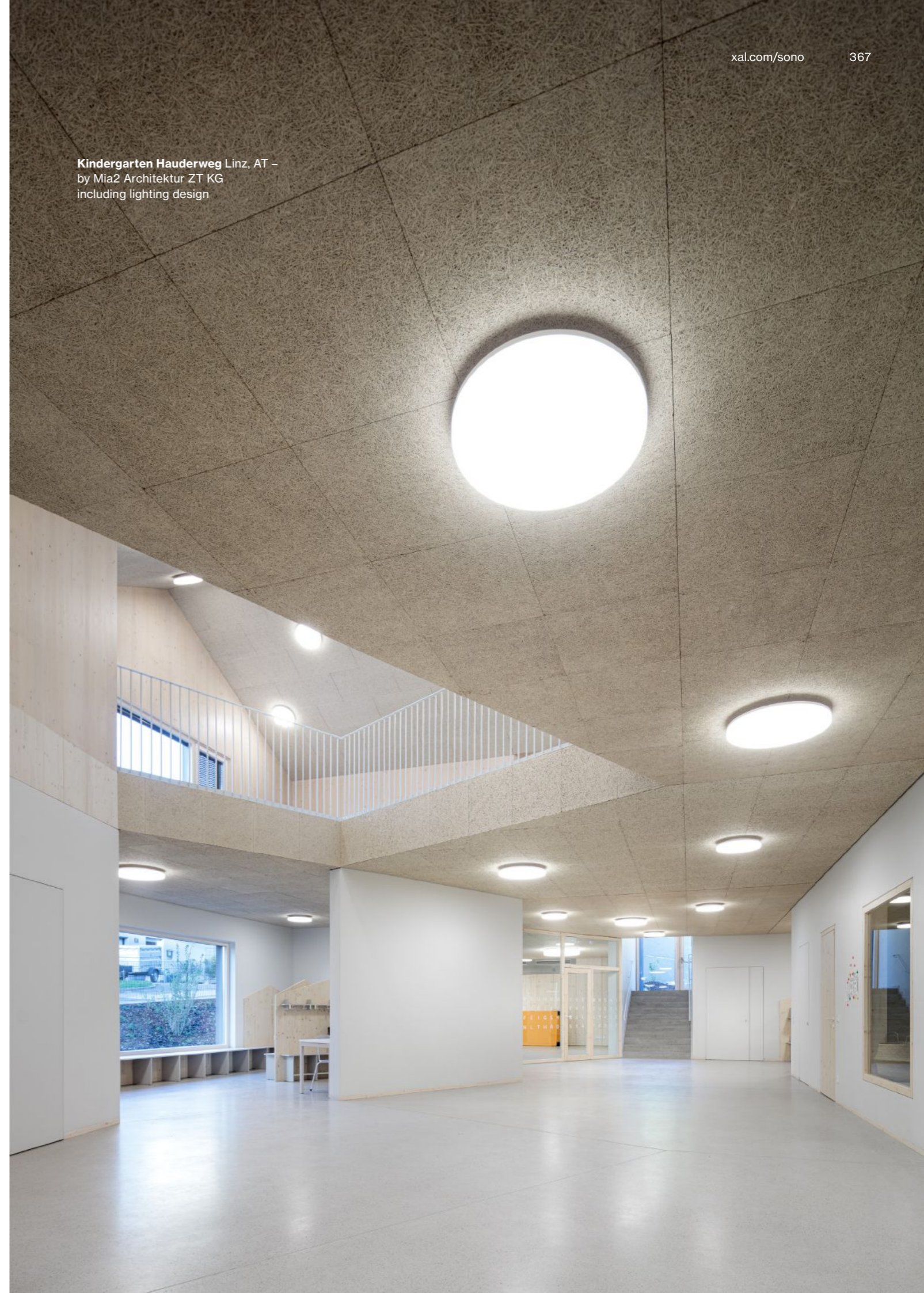


DIRECT/INDIRECT  
SYSTEM POWER COLOUR TEMP. LUMINOUS FLUX ORDER CODE  
67W 3000K ↓ 5830 / ± 2840lm 0 7 1-9 1 5 8 ⋮ 7 0

**Grundschule St. Martin** in Gsies, IT –  
by tasserball architekten



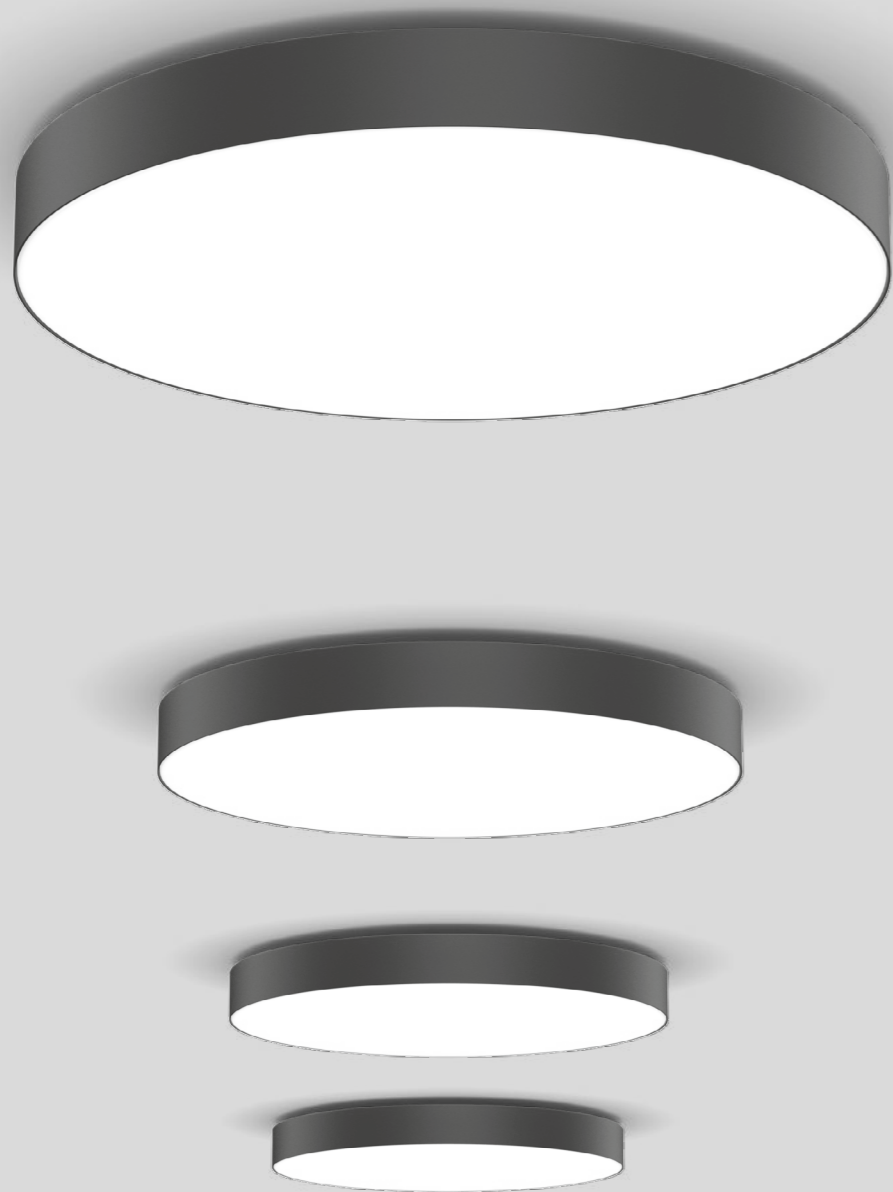
**Kindergarten Hauderweg** Linz, AT –  
by Mia2 Architektur ZT KG  
including lighting design



**Primarschule** Basel, CH – by  
Stähelin Partner Architekten AG



back



## SONO LOOP IP54

surface

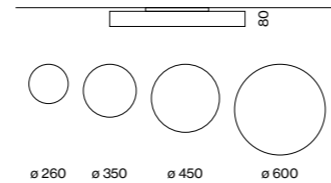
EN Round luminaire housing in die-cast aluminium; surface powder coated; fitted bezel in rolled, seamless welded aluminium profile; suitable for wall or ceiling mounting; completely homogeneously illuminated, satinised PMMA cover; same luminance for all size versions; energy-efficient LEDs with very good colour rendering; luminaire with 2 cable openings and plug-in terminals for through wiring

DE Runder Leuchtenkörper aus Aluminiumdruckguss; Oberfläche pulverbeschichtet; aufgesetzter Ring aus gerolltem und nahtlos verschweißtem Aluminiumprofil; geeignet für Wand- oder Deckenmontage; absolut homogen ausgeleuchtete, satinierte PMMA-Abdeckung; gleiche Leuchtdichte bei allen Größenvarianten; energieeffiziente LEDs mit sehr guter Farbwiedergabe; Leuchte mit 2 Kabelöffnungen und Steckklemme für Weiterverdrahtung

### Quickinfo

3000K, 4000K  
CRI ≥ 80, 3 SDCM  
uo to 133lm/W  
L90 @ 50 000h  
non DIM, DALI-2  
opal cover  
IK 07, IP 54

### Types



### Colours



### Light distribution



direct

### Order options

#### IP RATING

IP54

#### COLOUR TEMPERATURE

3000K 5  
4000K 6

#### CONTROL

non DIM 1  
DALI-2 3

#### MATERIAL COLOUR

○ pure white RAL 9010 7  
● grey aluminium RAL 9007 D

#### LIGHT OPTIC COVER

opal

### Options on request

#### COLOUR RENDERING INDEX

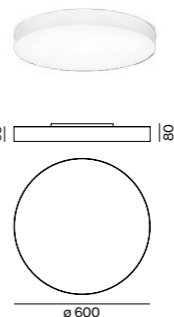
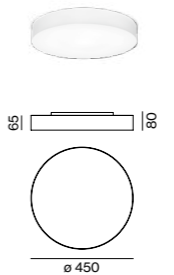
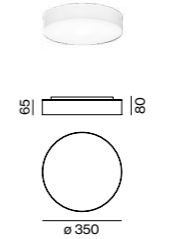
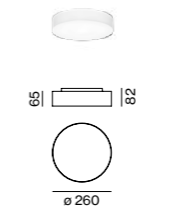
CRI ≥ 90

#### COLOUR TEMPERATURE

tunable white 2700–6500 K  
DALI-2 DT8

#### CONTROL

RCS Master (☺)  
RCS Slave (☺)



### SONO LOOP 260 surface



#### IP 54 LUMINAIRE

SYSTEM POWER	COLOUR TEMP.	LUMINOUS FLUX	ORDER CODE
7.6 W	3000 K	881lm	8 7 1 - 8 1 2 6 :: ☺ ☑ ○
	4000 K	933lm	

### SONO LOOP 350 surface



#### IP 54 LUMINAIRE

SYSTEM POWER	COLOUR TEMP.	LUMINOUS FLUX	ORDER CODE
15.9 W	3000 K	1940lm	8 7 1 - 8 1 3 6 :: ☺ ☑ ○
	4000 K	2060lm	

### SONO LOOP 450 surface



#### IP 54 LUMINAIRE

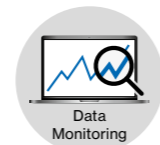
SYSTEM POWER	COLOUR TEMP.	LUMINOUS FLUX	ORDER CODE
23.2 W	3000 K	2850lm	8 7 1 - 8 1 4 6 :: ☺ ☑ ○
	4000 K	3010lm	

### SONO LOOP 600 surface



#### IP 54 LUMINAIRE

SYSTEM POWER	COLOUR TEMP.	LUMINOUS FLUX	ORDER CODE
43 W	3000 K	5410lm	8 7 1 - 8 1 5 6 :: ☺ ☑ ○
	4000 K	5730lm	



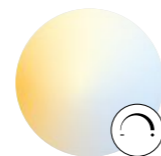
DiiA® standards  
251, 252, 253



easy mounting by  
click-mechanism



dust and insect  
protection (IP 54)

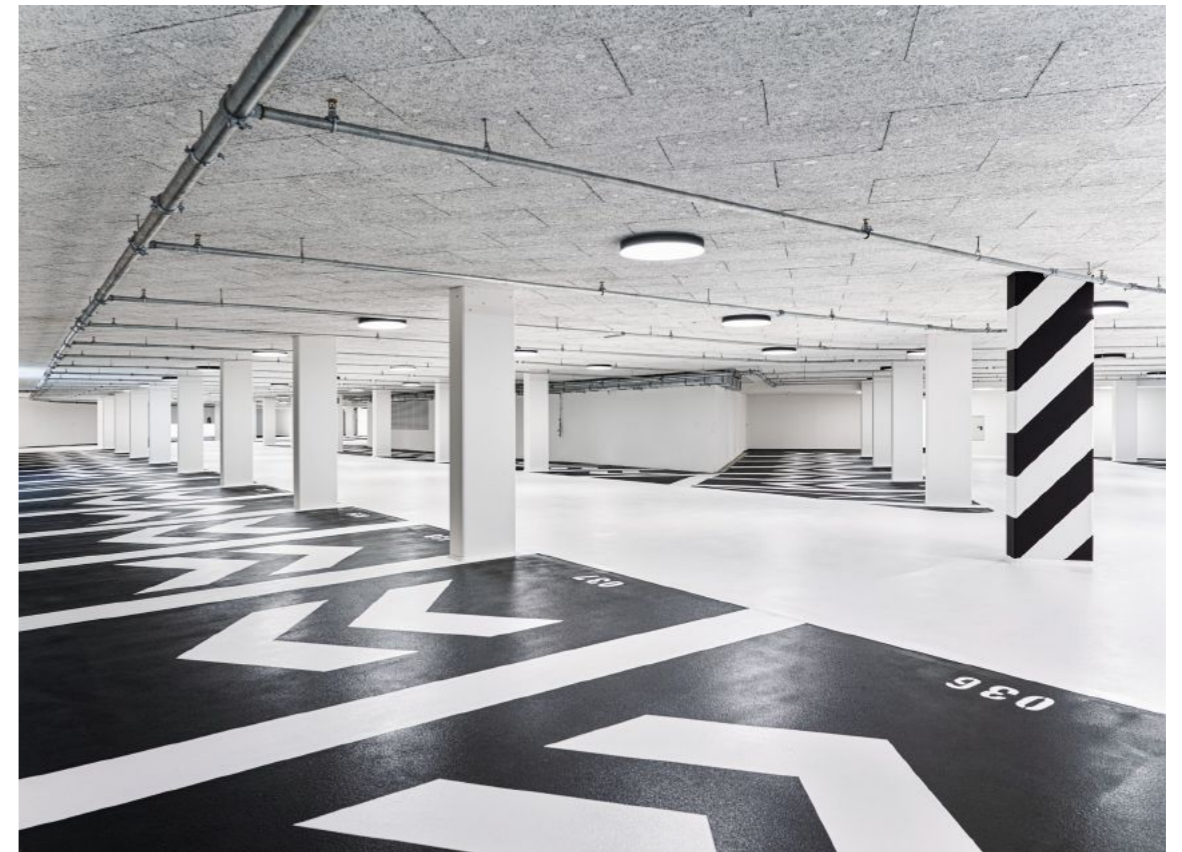


tunable white  
2700–6500K

LUMINOUS FLUX value calculated for  
CRI ≥ 80, colour white, cover opal



**KTM House of brands**  
Munderfing, AT – by Hofbauer  
Liebmann Architekten ZT GmbH





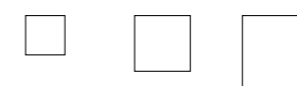
# The square difference

## FLOW

**EN** FLOW is ideal for providing light in its pure form. FLOW, whether mounted on the wall or ceiling, or in its suspended variant, has a clean design and flat dimensions. Depending on the desired lighting mood, the IP 40-protected luminaire is available at 3000 K or 4000 K. An opal cover creates a uniform and pleasant light. The surface-mounted luminaire is installed quickly and without tools via a mounting plate.

**DE** Wo Licht in seiner puren Form gewünscht ist, liefert FLOW die optimale Lösung. Sowohl an Wand oder Decke montiert als auch in ihrer abgehängten Variante nimmt sich FLOW durch ihr schlichtes Erscheinungsbild und ihre flachen Abmessungen zurück. Je nach gewünschter Lichtstimmung ist die IP 40-geschützte Leuchte in 3000 K oder 4000 K erhältlich, ein Opal-Cover schafft gleichförmiges und angenehmes Licht. Die Installation der Anbauleuchte erfolgt einfach und werkzeuglos über eine Montageplatte.

### Types



320

450

600

### Mountings



wall



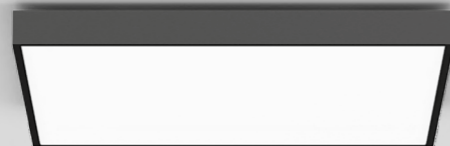
ceiling

### Light distribution



opal

back



## FLOW

surface

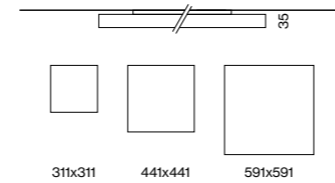
**EN** Square aluminium luminaire housing, flat design (luminaire housing 35 mm); surface powder coated; suitable for wall or ceiling mounting, luminaire housing set 11 mm away from wall or ceiling; convenient quick mounting system without tools; direct light distribution by LGP body (Light Guiding Prism); side coupled light directed downwards by laser engraving; light control via highly reflective reflector material; completely homogeneous illumination; same luminance for all size versions; energy-efficient LEDs with very good colour rendering; luminaire with 2 cable openings and plug-in terminals for through wiring

**DE** Quadratischer Leuchtenkörper aus Aluminium, flache Bauform (Leuchtenkörper 35 mm); Oberfläche pulverbeschichtet; geeignet für Wand- oder Deckenmontage, Leuchtenkörper 11 mm von Wand bzw. Decke abgesetzt; komfortables, werkzeugloses Schnellmontagesystem; direkte Lichtverteilung durch LGP-Body (Light-Guiding-Prism); seitlich eingekoppeltes Licht durch Lasergravur nach unten gelenkt; Lichtlenkung mittels hochreflektierenden Reflektormaterials; absolut homogene Ausleuchtung; gleiche Leuchtdichte bei allen Größenvarianten; energieeffiziente LEDs mit sehr guter Farbwiedergabe; Leuchte mit 2 Kabelöffnungen und Steckklemme für Weiterverdrahtung

### Quickinfo

3000K, 4000K  
CRI ≥ 80, 3 SDCM  
up to 146 lm/W  
L90 @ 50 000 h  
non DIM, DALI-2  
opal, IP 40

### Types



### Colours



### Light distribution



### Order options

COLOUR TEMPERATURE	
3000K	5
4000K	6

CONTROL	
non DIM	1
DALI-2	3

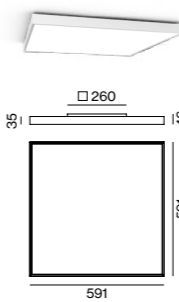
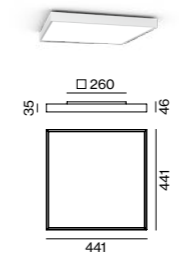
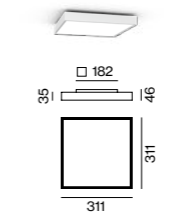
MATERIAL COLOUR	
<input type="radio"/> pure white RAL 9010	7
<input checked="" type="radio"/> white aluminium RAL 9006	G
<input type="radio"/> jet black RAL 9005	8
<input type="radio"/> special colours p.992	X

LIGHT OPTIC COVER	
opal	

### Options on request

MOUNTING	
1500 mm cable suspension	

COLOUR RENDERING INDEX	
CRI ≥ 90	



### FLOW 320 surface



#### DIRECT

SYSTEM POWER	COLOUR TEMP.	LUMINOUS FLUX	ORDER CODE
15.2 W	3000K	2000 lm	073-0131
	4000K	2120 lm	

### FLOW 450 surface



#### DIRECT

SYSTEM POWER	COLOUR TEMP.	LUMINOUS FLUX	ORDER CODE
23.9 W	3000K	3250 lm	073-0141
	4000K	3440 lm	

### FLOW 600 surface



#### DIRECT

SYSTEM POWER	COLOUR TEMP.	LUMINOUS FLUX	ORDER CODE
44 W	3000K	6060 lm	073-0151
	4000K	6420 lm	

### Accessories

TYPE	ORDER CODE
dismounting tool	073-010000



DiiA® standards  
251, 252, 253



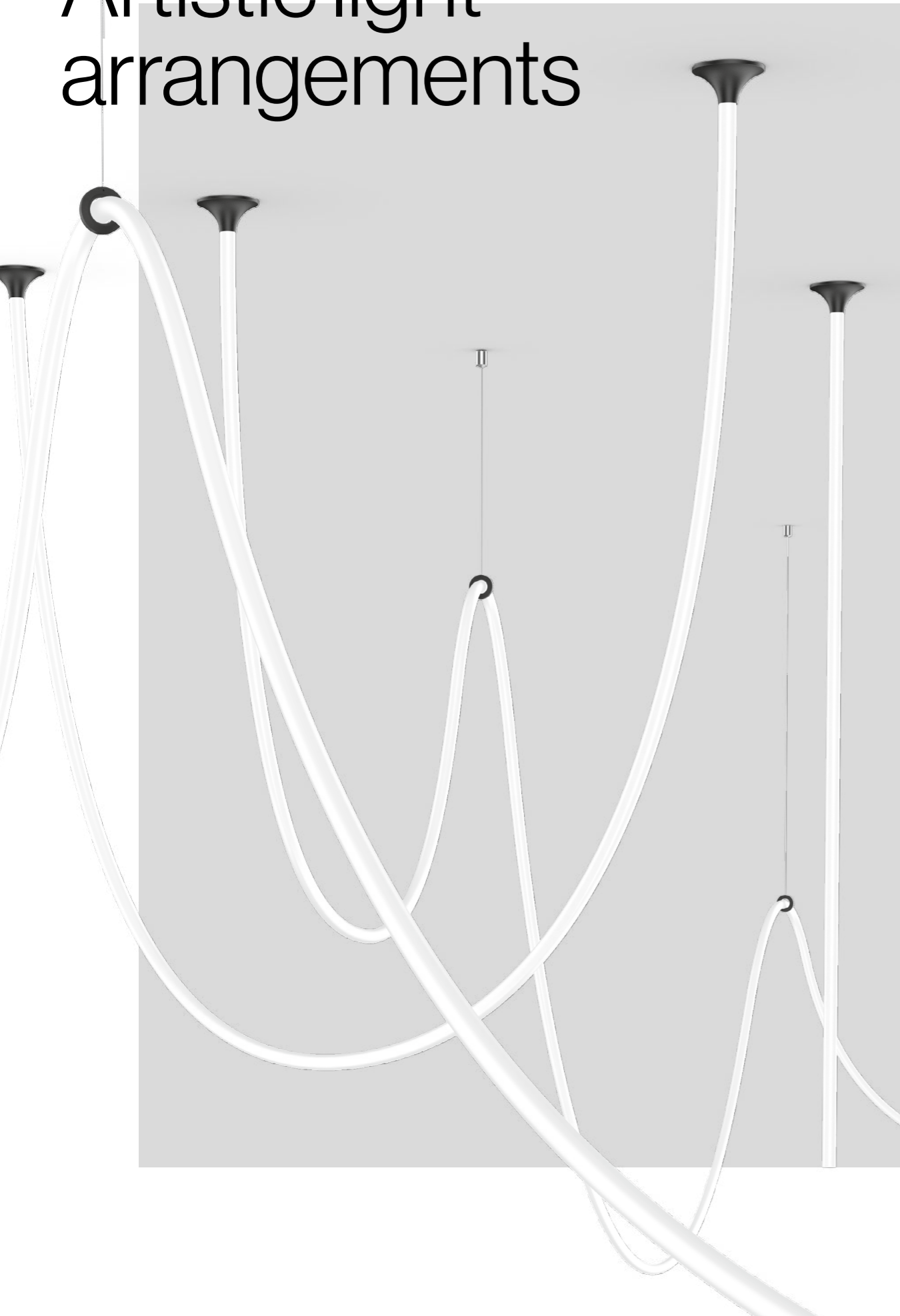
easy mounting by click-mechanism  
insect protection (IP 40)

LUMINOUS FLUX value calculated for  
CRI ≥ 80, colour white, cover opal

**Businesscenter**  
Wels, AT –  
by Riepl / Riepl



# Artistic light arrangements



## JANE

**EN** JANE gives flexibility in design a new dimension. The rope-like, highly flexible LED luminaire is made of food-safe silicone and offers complete freedom when designing creative ceiling and wall arrangements. JANE has a homogeneous light distribution, with a diameter of only 18 mm. At up to 10 metres long, it is ideal for small and large visions. The light cables can be easily arranged into custom patterns with the ceiling clips and cable holders. JANE is available in 3000 K or 4000 K light colours and, with CRI  $\geq 90$ , also delivers top colour rendering. This luminaire is unique because of its appearance. It is a new, highly decorative innovation from XAL – artistic and exclusive.

**DE** Flexibilität im Design gewinnt durch JANE eine neue Dimension. Die seilartige, hochflexible LED Leuchte aus lebensmittelechtem Silikon bietet vollkommene Freiheit bei der Gestaltung kreativer Decken- und Wandarrangements. JANE verfügt über eine durchgehend homogene Abstrahlcharakteristik, bei einem Durchmesser von nur 18 mm. Und mit einer Länge von bis zu 10 Metern ist sie für kleine und große Visionen geeignet. Mit den Deckenclips und Seilhalter lassen sich die Lichtseile einfach zu ausgefallenen Mustern arrangieren. JANE ist wahlweise in den Lichtfarben 3000 K oder 4000 K erhältlich und sorgt bei CRI  $\geq 90$  für eine sehr gute Farbwiedergabe. Einzigartig macht diese Leuchte ihr Erscheinungsbild: Eine neuartige, hochdekorative Innovation von XAL – kunstvoll und exklusiv.

### Mountings



semi-recessed

surface

suspended

### Light distribution



opal



## Artistic sculptures

**EN** JANE curves along walls and loops from ceilings thanks to its flexibility. This corded, food-grade silicone luminaire promises full lighting-design freedom. Create dynamic patterns and artistic arrangements; bring unique and harmonious motion to life.

**DE** Hochflexibel schwingt JANE über Wand und Decke. Die seilartige Leuchte aus lebensmittelechtem Silikon ermöglicht maximale Freiheit bei der Lichtgestaltung. Entwerfen Sie ausgefallene Muster und kunstvolle Arrangements: einzigartig und in harmonischer Bewegung.

## Mounting options

**EN** JANE attaches to ceilings or walls easily to fully meet your needs. The luminaire hangs in position with ceiling clips and cord holders. The suspended cord is height-adjustable without any tools. Let your design ideas run free. You can even arrange JANE perfectly linearly thanks to the special track guide.

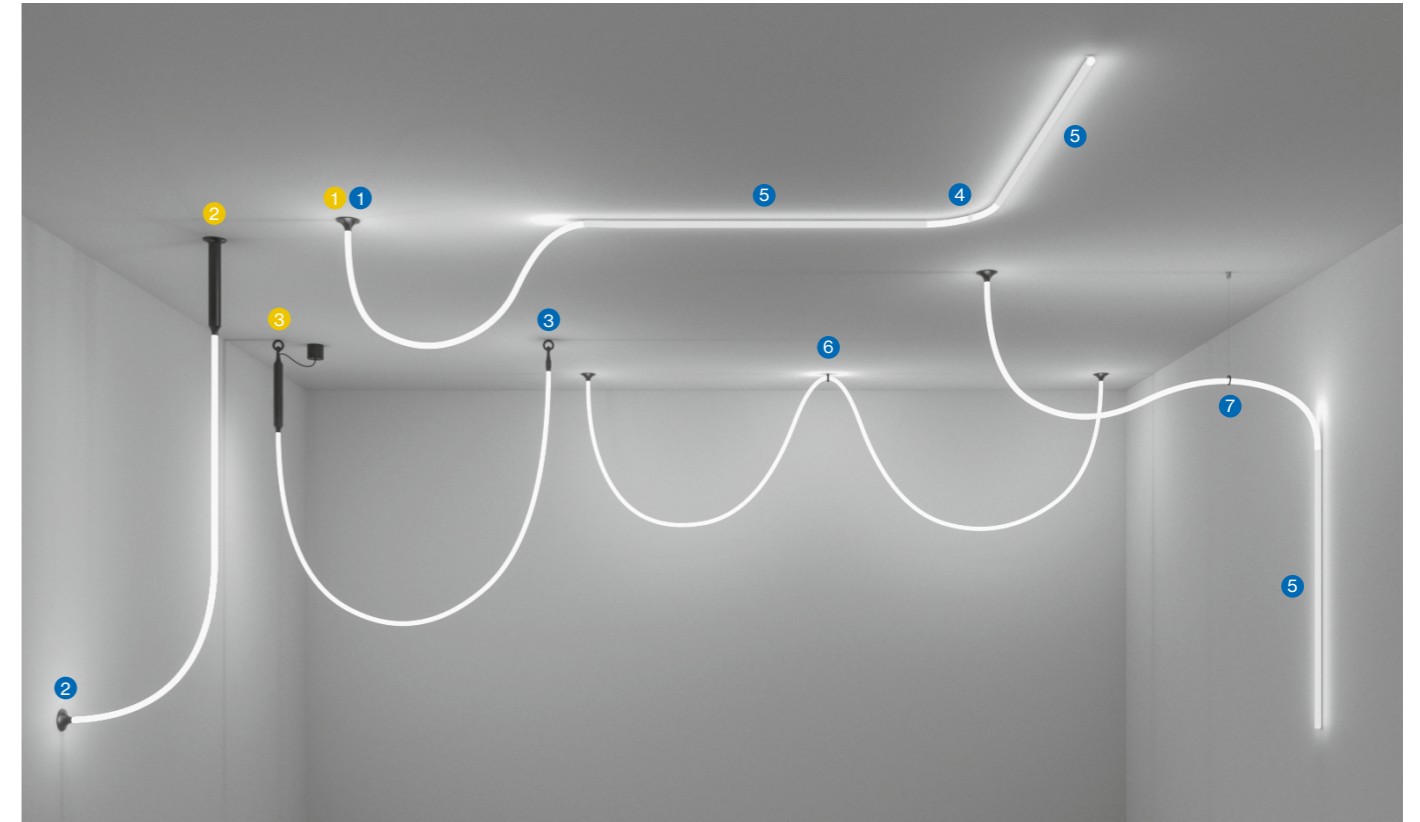
**DE** JANE wird einfach und vollkommen individuell an Decken oder Wänden befestigt. Deckenclips und Seilhalter bringen die Leuchte in Position, die Seilabhängung kann zusätzlich ganz ohne Werkzeug höhenverstellt werden. Dabei sind Ihren Gestaltungsideen keine Grenzen gesetzt. Auch ein lineares Arrangement ist möglich: Entlang einer speziellen Schienenführung wird JANE sprichwörtlich schnurgerade ausgerichtet.

### Mounting accessories

- 1 mounting set recessed
- 2 mounting set surface
- 3 mounting set suspended
- 4 clip surface (transparent)
- 5 channel surface (transparent)
- 6 mounting ring surface
- 7 mounting ring suspended

### Electrical accessories

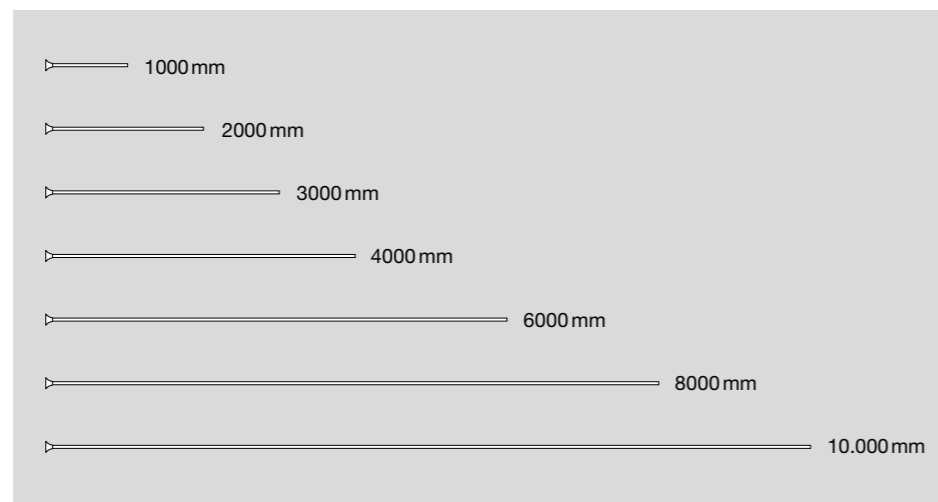
- 1 power supply recessed
- 2 power supply surface
- 3 power supply suspended



## Length variety

**EN** How far does your vision go? JANE adapts to your project dimensions whether expansive or confined. Create light sculptures perfectly tailored to the space and the ambience in a wide range of sizes thanks to its varying light cord lengths, from 1 to 10 m.

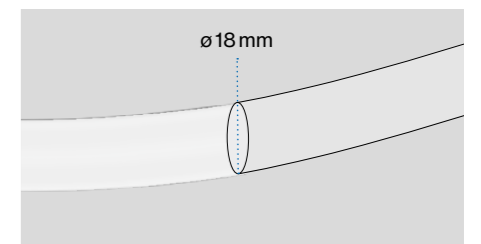
**DE** Wie groß ist Ihre Vision? Ob ausladend oder auf kleinem Raum: JANE passt sich den Projektdimensionen an. Verschiedene verfügbare Lichtseil-Längen, von 1 m bis 10 m, ermöglichen es, Lichtskulpturen in unterschiedlichen Größen anzufertigen. Genau abgestimmt auf den verfügbaren Platz und das Ambiente der Umgebung.



## Slim and decorative

**EN** JANE is so much more than merely decorative. Its focussed 18 mm diameter packs enormous punch. The light cord's uniform all-round 360° beam characteristics deliver balanced illumination. Craft beautiful, swooping light sculptures and generate pleasant, homogeneous lighting wherever JANE is set.

**DE** Mehr als „nur“ dekorativ: In ihren schlanken 18 mm Durchmesser verbirgt JANE großes Potenzial. Durch die gleichmäßige 360°-Abstrahlcharakteristik erzeugt das Lichtseil eine ausgewogene Ausleuchtung. Ihre schwungvollen Lichtskulpturen sind also kein rein ästhetischer Hingucker, sondern schaffen eine wohlthuende und homogene Beleuchtung dort, wo Sie JANE einsetzen.



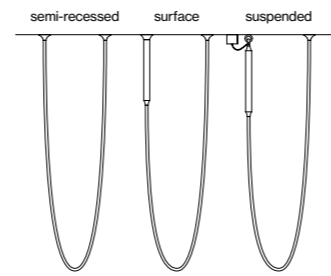
← back



**Quickinfo**

3000K, 4000K  
 CRI ≥ 90, 3 SDCM  
 up to 1000lm/m  
 up to 71lm/W  
 L80 @ 50000h  
 non DIM, DALI  
 IP 40

**Types**



∅18 x 1000-10000

**Canopy colours**



**Light distribution**

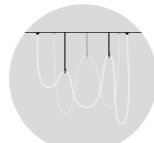


**JANE**

semi-recessed / surface / suspended

EN Highly flexible light rope made of food grade silicone for creative and decorative design; extremely slim design (only 18 mm diameter); for wall-/ceiling surface mounting or suspended mounting (cable suspension, height adjustment without tools); completely homogeneously illuminated, matt surface; 360° light emission; energy-efficient LEDs with very good colour rendering; optionally with external converter for ceiling installation or suspended in combination with the light rope (available as an accessory)

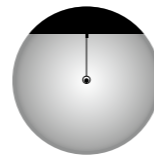
DE Hochflexibles Lichtseil aus lebensmittel-echtem Silikon zur kreativen, dekorativen Gestaltung; extrem schlanke Bauform (nur 18 mm Durchmesser); für Wand-/Decken-anbaumontage oder für abgehängte Montage (Seilabhängung, werkzeuglose Höhenverstellung); absolut homogen ausgeleuchtete, matte Oberfläche; 360° Lichtabstrahlung; energieeffiziente LEDs mit sehr guter Farbwiedergabe; wahlweise externer Konverter für Deckeneinwurf oder abgependelt in Kombination mit dem Lichtseil (als Zubehör erhältlich)



many mounting options



dust and insect protection (IP 40)



360° light emitting

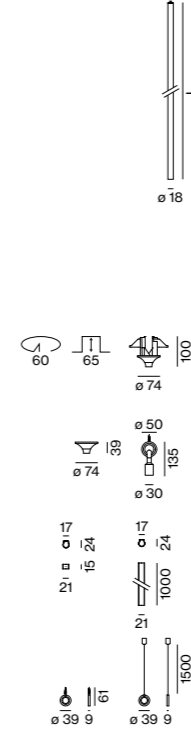
**Order options**

COLOUR TEMPERATURE	
3000K	5
4000K	6

CONTROL	
non DIM	1
DALI	3

LENGTH	
1000 mm	1
2000 mm	2
3000 mm	3
4000 mm	4
6000 mm	6
8000 mm	8
10000 mm	0

MATERIAL COLOUR	
○ pure white RAL 9010	7
● jet black RAL 9005	8



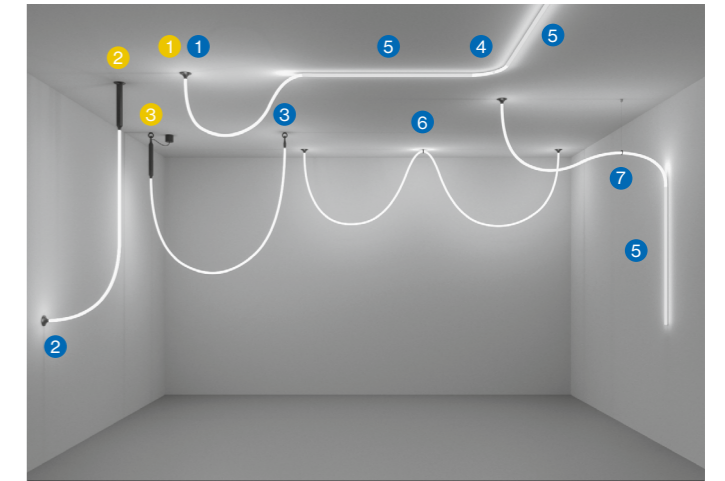
**JANE semi-recessed / surface / suspended**



LUMINAIRE			
SYSTEM POWER	COLOUR TEMP.	LUMINOUS FLUX	ORDER CODE
14.4W/m	3000K	812lm/m	058-651 L 10
	4000K	1000lm/m	

**Mounting accessories**

MOUNTING ACCESSORIES		
TYPE	L-W-H (mm)	ORDER CODE
1 mounting set recessed	∅74-100	058-659021
2 mounting set surface	∅74-39	058-659101
3 mounting set suspended	∅50/30-135	058-659201
4 clip surface (transparent)	15-21-24	058-6591410
5 channel surface (transparent)	1000-21-24	058-6591110
6 mounting ring surface	∅39-9-61	058-659161
7 mounting ring suspended	∅39-9	058-659261



various mounting options with different mounting accessories

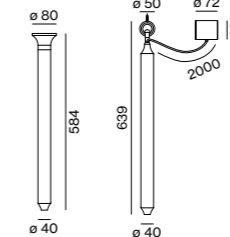
**Electrical accessories**

1 POWER SUPPLY RECESSED 220-240V AC, 48V, 50-60Hz			
TYPE		L-W-H (mm)	ORDER CODE
100W recessed	PC II	350-30-18	002-62134
150W recessed	PC II	350-30-18	002-62135
60W revision opening	PC II	163-43-32	002-62133
100W revision opening	PC II	350-30-18	002-62134
150W revision opening	PC II	350-30-18	002-62135
250W revision opening	PC II	400-40-22	002-62139
320W revision opening	PC I	252-90-44	002-60320
DALI device		120-30-22	058-6599330

2 POWER SUPPLY SURFACE 220-240V AC, 48V, 50-60Hz			
TYPE		L-∅ (mm)	ORDER CODE
100W surface	PC II	584-∅40	058-65912
150W surface	PC II	584-∅40	058-65913

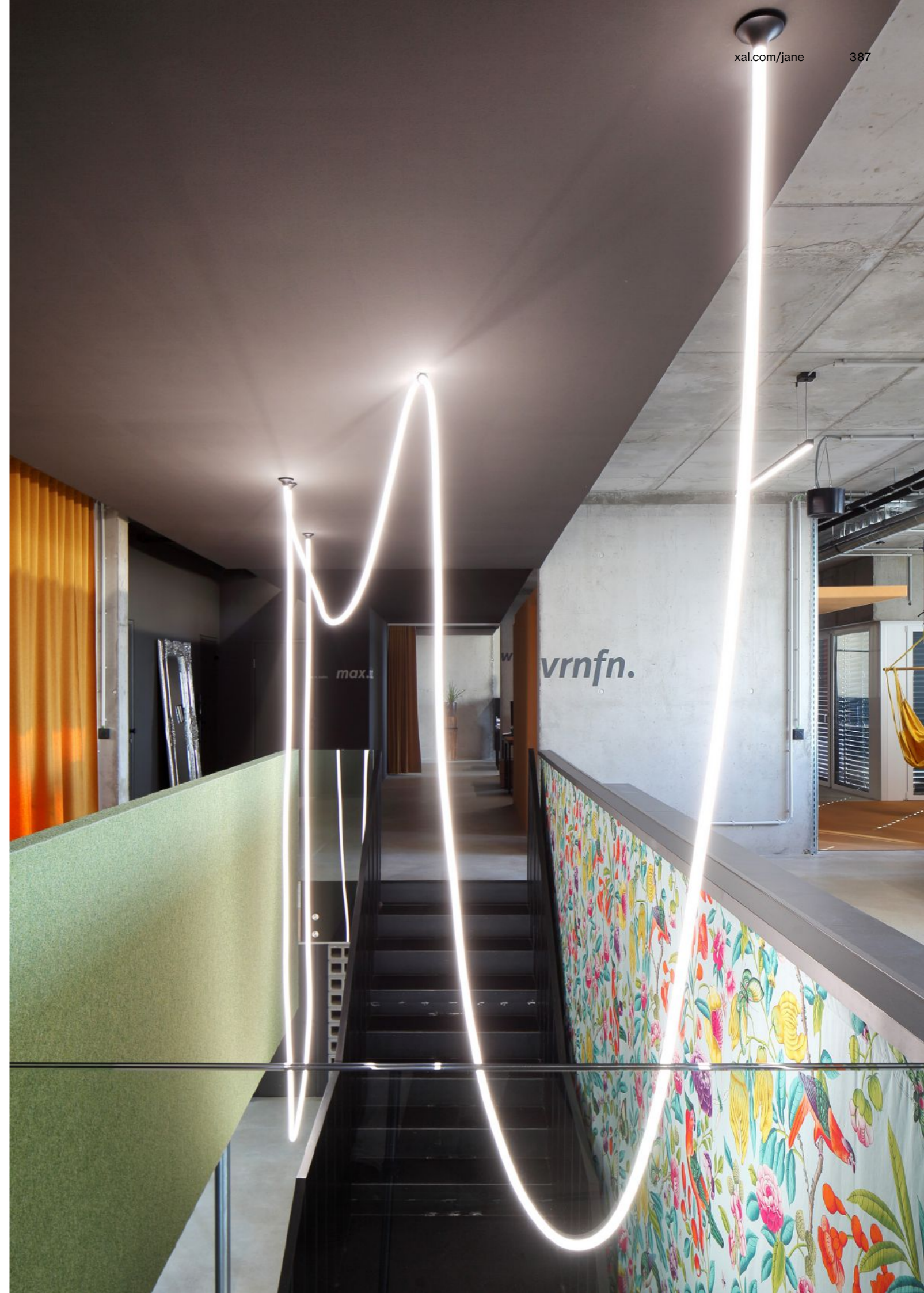
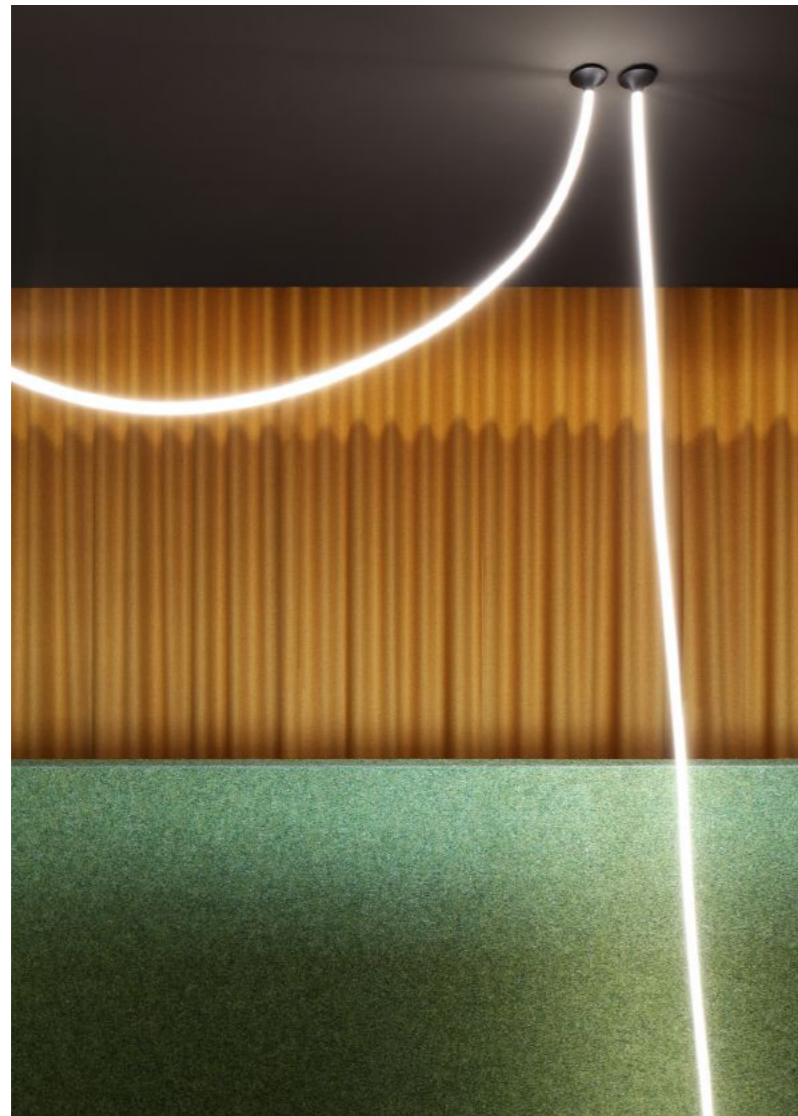
3 POWER SUPPLY SUSPENDED 220-240V AC, 48V, 50-60Hz			
TYPE		L-∅ (mm)	ORDER CODE
100W suspended	PC II	639-∅40	058-65922
150W suspended	PC II	639-∅40	058-65923

incl. ceiling canopy and 2000mm power cable



LUMINOUS FLUX value calculated for CRI ≥ 90, colour white, rope silicone

Upart Werbung & Kommunikation GmbH Linz-Urfahr, AT –  
by MOSER UND HAGER Architekten ZT GmbH





**The Raum Bolzano, IT –**  
by bergundtal gmbh.

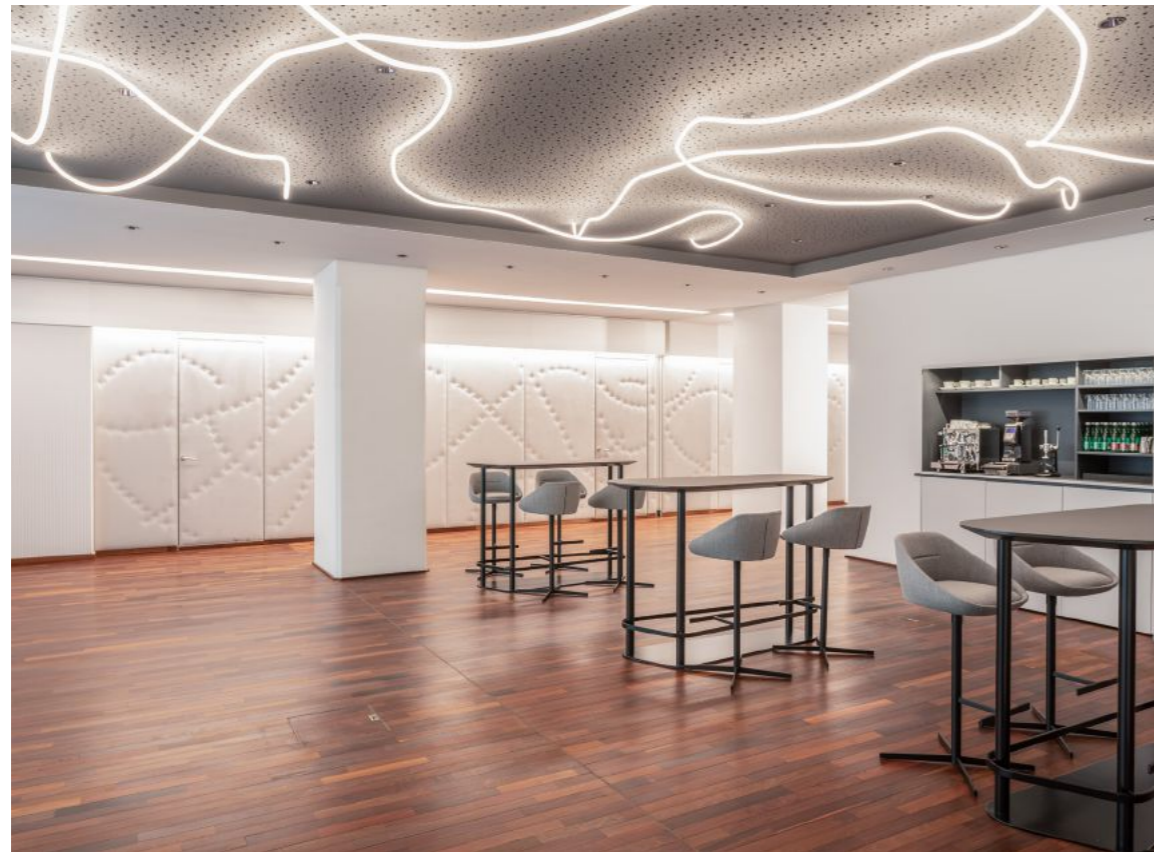




**Office Greenhouse** Gent, BE –  
by Boîte, Interieur & concept architecten



**Binder Grösswang Rechtsanwälte  
GmbH** Vienna, AT – by The Black  
Square Planungsbüro GmbH



# Effective at work



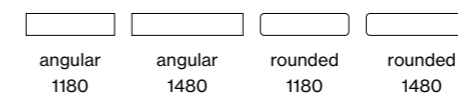
## DESO

**EN** A classic office luminaire that meets all requirements without being obtrusive. DESO convinces through its fantastic simple, rectangular shape. It can come with rounded corners or angular design.

Thanks to its microprismatic cover, it provides excellent workplace lighting, delivers optimum glare control of  $UGR \leq 19$ , and is suitable for single and double workstations. The discreet indirect light distribution creates a pleasant, homogeneous ceiling illumination. An optional brightness and presence sensor automatically adjusts the lighting to the ambient brightness in the office.

**DE** Eine klassische Büroleuchte, die alle Anforderungen erfüllt, ohne sich aufzudrängen: DESO überzeugt durch ein schlichtes, rechteckiges Design – wahlweise in kantiger Ausführung oder mit abgerundeten Ecken. Dank mikroprismatischer Abdeckung schafft sie exzellentes Arbeitsplatzlicht, entblendet optimal gemäß  $UGR \leq 19$  und ist für Einzel- und Doppelplätze geeignet. Zusätzlich erzeugt die dezente Indirektlicht-Abstrahlung eine angenehme, homogene Deckenaufhellung. Durch einen optionalen Bewegungs- und Tageslichtsensor passt sich die Beleuchtung automatisch der Umgebungshelligkeit im Büro an.

### Types



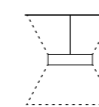
angular 1180    angular 1480    rounded 1180    rounded 1480

### Mounting



suspended

### Light distribution



direct  
indirect

← back



# DESO

suspended

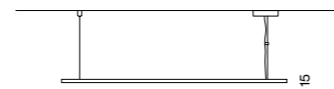
**EN** Rectangular luminaire housing in aluminium; choice of angular design or with rounded edges; ultra low-profile design (only 15 mm); surface powder coated; pendant fitting with cable suspension; with integrated tool-less suspension height adjustment; incl. feed (white); electronic operating unit installed in the canopy; direct/indirect light distribution by LGP body (Light Guiding Prism); side coupled light, directed up and down by laser engraving; direct component: microprismatic PMMA cover; indirect component covered with opal cover; homogeneous illumination; energy-efficient LEDs with very good colour rendering; canopy for through wiring

**DE** Rechteckiger Leuchtenkörper aus Aluminium; wahlweise kantige Ausführung oder mit abgerundeten Kanten; extrem flache Bauform (nur 15 mm); Oberfläche pulverbeschichtet; abgependelt mit Seilabhängung; werkzeuglose Höhenverstellung an der Leuchte; inkl. Einspeiseseitung (weiß); elektronisches Betriebsgerät im Baldachin verbaut; direkt/indirekte Lichtverteilung durch LGP-Body (Light-Guiding-Prism); seitlich eingekoppeltes Licht durch Lasergravur nach oben und unten gelenkt; Direktanteil: Mikroprismatische PMMA-Abdeckung; Indirektlichtanteil mit opaler Abdeckung abgedeckt; homogene Ausleuchtung; energieeffiziente LEDs mit sehr guter Farbwiedergabe; Baldachin für Weiterverdrahtung

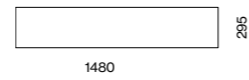
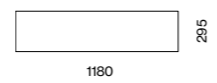
## Quickinfo

3000K, 4000K  
 CRI ≥ 80, 3 SDCM  
 UGR ≤ 19 / 65° ≤ 3000 cd/m²  
 up to 131lm/W  
 L90 @ 50 000h  
 DALI-2  
 microprismatic (UGR ≤ 19)

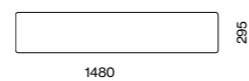
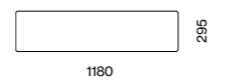
## Types



### DESO



### DESO rounded



## Colours



## Light distribution



detail end caps



detail rounded end caps



DIN EN 12464-1 UGR ≤ 19



direct/indirect illumination

## Order options

COLOUR TEMPERATURE	
3000K	5
4000K	6

## CONTROL

DALI-2

## MATERIAL COLOUR

○ pure white RAL 9010

## LIGHT OPTIC COVER

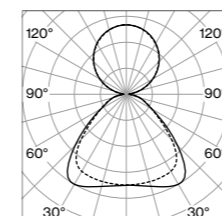
microprismatic (UGR ≤ 19)

## Options on request

## CONTROL

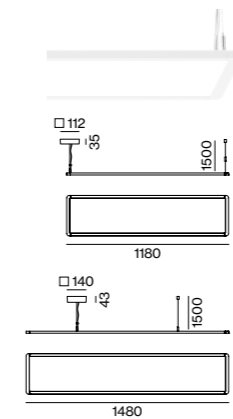
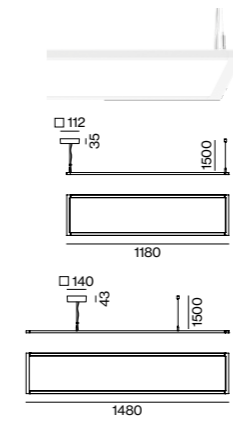
non DIM  
 ESSENTIAL sensor  
 (brightness & presence)

## Light distribution

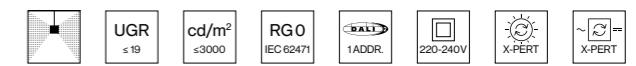


microprismatic direct/indirect

**LUMINOUS FLUX** value calculated for CRI ≥ 80, colour white, cover microprismatic



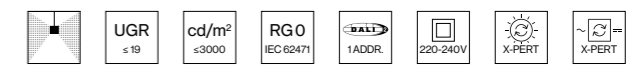
## DESO suspended



## DIRECT / INDIRECT

SYS. POWER	COLOUR TEMP.	LUM. FLUX	L (mm)	ORDER CODE
39 W	3000 K	↓ 2750 / ↑ 2090 lm	1180	0 7 4 - 2 2 4 4 :: 3 7 P
	4000 K	↓ 2910 / ↑ 2210 lm		
64 W	3000 K	↓ 3360 / ↑ 2540 lm	1480	0 7 4 - 2 2 4 5 :: 3 7 P
	4000 K	↓ 4400 / ↑ 3340 lm		

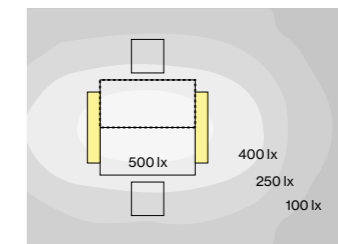
## DESO rounded suspended



## DIRECT / INDIRECT

SYS. POWER	COLOUR TEMP.	LUM. FLUX	L (mm)	ORDER CODE
39 W	3000 K	↓ 2750 / ↑ 2090 lm	1180	0 7 4 - 3 2 4 4 :: 3 7 P
	4000 K	↓ 2910 / ↑ 2210 lm		
64 W	3000 K	↓ 3360 / ↑ 2540 lm	1480	0 7 4 - 3 2 4 5 :: 3 7 P
	4000 K	↓ 4400 / ↑ 3340 lm		

## Technical data



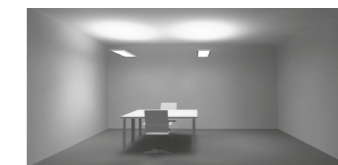
**DESO suspended, 39W, 4000K, direct/indirect**

**ROOM VALUES**

Room dimensions	5.4 × 4 × 2.8 m
Reflection factor	0.7   0.5   0.2
Maintenance factor	0.8
Suspension height	2.25 m

**CALCULATION SURFACE** .....

Surface dimensions	1.6 × 0.8 m
Surface height	0.75 m
Average illuminance (E <sub>m</sub> )	> 500 lx
Uniformity (U <sub>0</sub> )	> 0.6



**GLARE EVALUATION**

Table Classification X=4H | Y=8H | S=0.25H

UGR transversal	≤ 16
UGR axial	≤ 16
≥ 65° ≤ 3000 cd/m²	

**Highlight Towers** Munich, DE –  
lighting design by Lumen3 GbR



# Ultra-slim office series

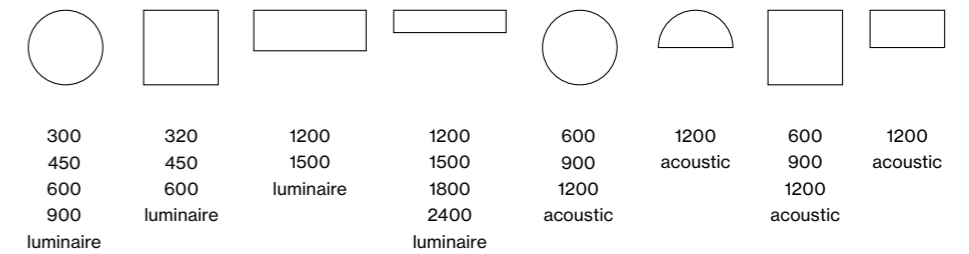


## TASK

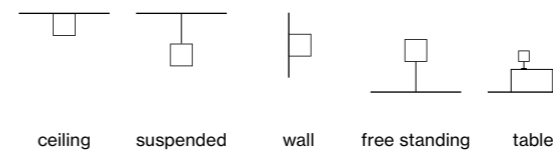
**EN** The ultra-slim TASK series fulfils all requirements of modern office lighting while being impressively flexible. Innovative technology and highly efficient LEDs meet minimalistic design. Thanks to its microprismatic cover, TASK provides bright and glare-minimised work light. The large product family includes ceiling, wall, floor, and table luminaires in a shared, sleek design language. The optional indirect light provides pleasant ceiling illumination. In addition, the ESSENTIAL sensor enables dynamic adjustment of the TASK S system and the floor luminaire to the ambient brightness and room activity. The SENSE variant also measures values such as temperature, air quality, humidity, and noise level. The SENSE sensor is IoT ready and enables the TASK free standing to transfer data via WLAN. For optimal room acoustics, the luminaires can be supplemented with highly effective acoustic elements with the same appearance.

**DE** Die ultraschlanke TASK Serie erfüllt alle Anforderungen an moderne Bürobeleuchtung – neben beeindruckender Flexibilität. Innovative Technologie und hocheffiziente LEDs treffen auf minimalistisches Design. Dank mikroprismatischer Abdeckung spendet TASK brillantes und blendungsminimiertes Arbeitslicht. Die große Produktfamilie umfasst Decken-, Wand-, Steh- und Tischleuchten im einheitlich schlanken Design. Das optionale Indirektlicht sorgt für eine angenehme Deckenaufhellung. Zusätzlich ermöglicht der ESSENTIAL-Sensor die dynamische Anpassung des TASK S Systems und der Stehleuchte an Umgebungshelligkeit und Raumaktivität. Die SENSE-Variante misst außerdem Werte wie Temperatur, Luftqualität, Luftfeuchtigkeit und Geräuschpegel. Der SENSE-Sensor ist IoT ready und ermöglicht der TASK free standing die Datenübertragung mittels WLAN. Für optimale Raumakustik können die Leuchtkörper durch hocheffektive Akustikelemente im gleichen Erscheinungsbild ergänzt werden.

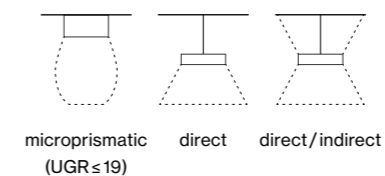
### Types



### Mountings



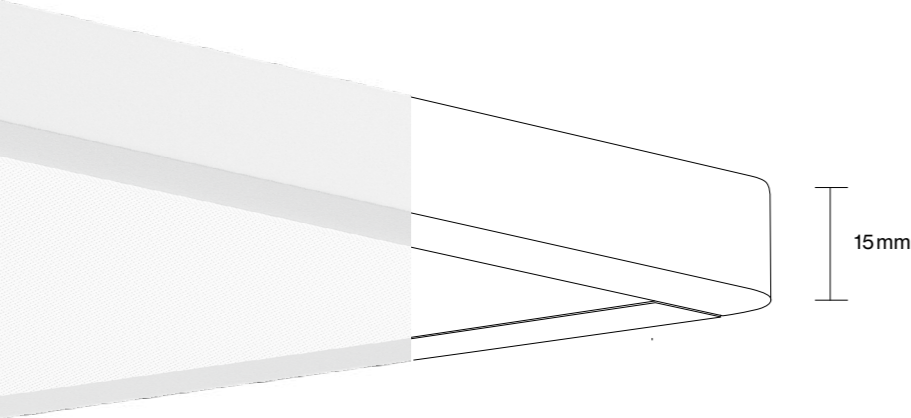
### Light distributions



## Ultra-slim and versatile

EN TASK combines an ultra-slim design with innovative lighting technology. These include, in particular, an LGP (Light Guiding Prism), which directs the laterally coupled light from highly efficient LEDs upwards and downwards. It creates a pleasant room atmosphere through a balanced relationship between direct and indirect light.

DE TASK vereint ultraschlankes Design mit innovativer Lichttechnik. Dazu gehören insbesondere ein LGP (Light Guiding Prism), welches das seitlich eingekoppelte Licht aus hocheffizienten LEDs nach oben und unten lenkt. Es schafft ein ausgewogenes Verhältnis zwischen Direkt- und Indirektlicht und somit eine angenehme Raum Atmosphäre.



## One design – many options

EN Thanks to a variety of shapes and mounting options, available individually but also as a system variant, TASK creates uniform lighting solutions for the most diverse projects. Pendant or surface-mounted luminaires for walls and ceilings can be supplemented by mobile floor and table luminaires. Flexible in use and uniform in design.

DE Dank vielfältiger Formen und Montagevarianten, einzeln erhältlich aber auch als Systemvariante, schafft TASK einheitliche Beleuchtungslösungen für unterschiedlichste Projekte. Pendel- bzw. Anbauleuchten für Wand und Decke können um mobile Steh- und Tischleuchten ergänzt werden. Flexibel im Einsatz und einheitlich im Design.



## Pleasant room acoustics

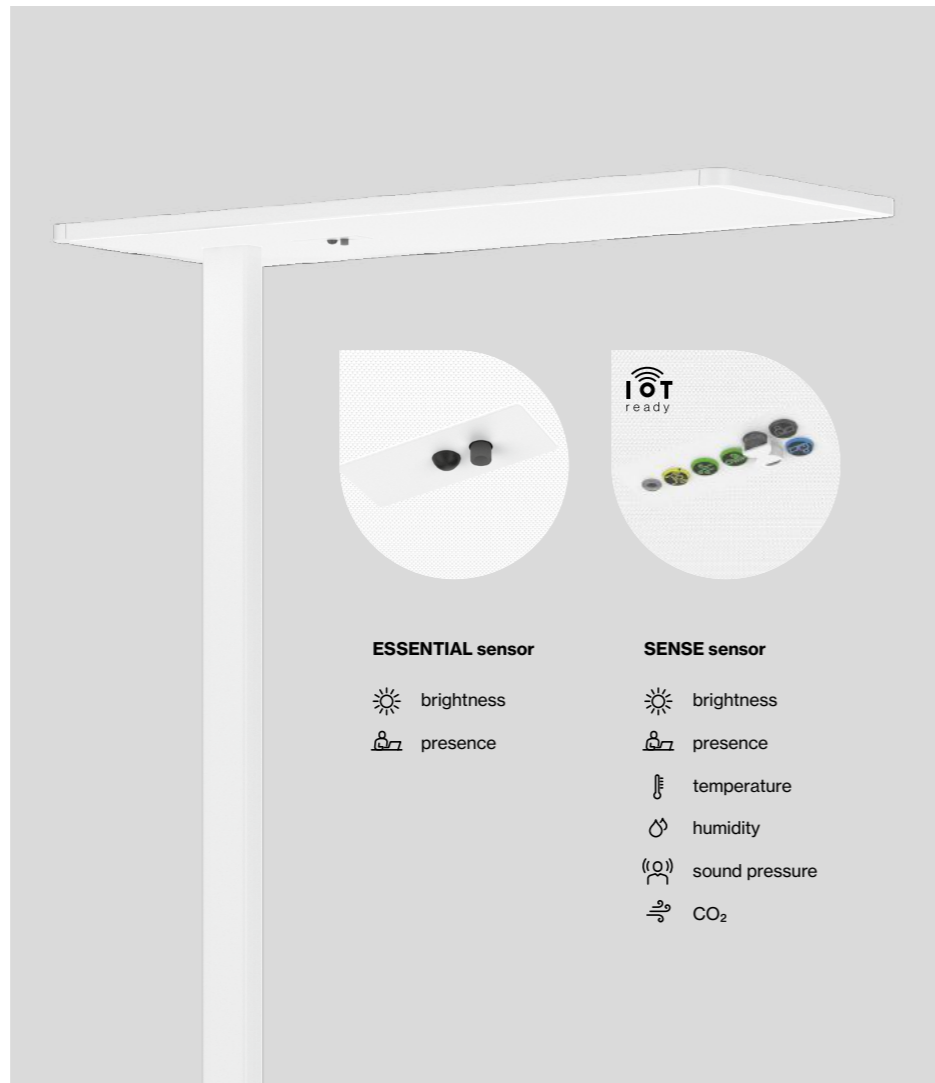
EN Light is decisive but not solely. Pleasant room acoustics have a significant impact on job satisfaction. Acoustic panels in various colours and made of 60%-recycled PET complement the TASK series and reduce background noise in the office. For concentrated, productive work.

DE Neben Beleuchtung wirkt sich eine angenehme Raumakustik auf die Zufriedenheit am Arbeitsplatz aus. Akustikelemente in verschiedenen Farben, aus 60% recyceltem PET ergänzen die TASK Serie und reduzieren Nebengeräusche im Büro. Für konzentriertes, produktives Arbeiten.

## Advanced sensor technology

EN The TASK S single luminaire and the TASK Free Standing adapt to daylight and room activity. Integrated motion sensors automatically dim the lighting while smart daylight sensors enable the light intensity to be adjusted to the ambient brightness. In addition, the SENSE version measures values such as temperature, air quality, humidity, and noise level. These data provide important insights into the conditions and use of rooms, and also support energy savings in the long term. The data from the sensors is transmitted via DALI. The SENSE sensor is IoT ready and enables the TASK free standing to transfer data via WLAN.

DE Die TASK S Einzelleuchte sowie die TASK Free Standing passen sich an Tageslicht und Raumaktivität an. Integrierte Bewegungssensoren dimmen automatisch die Beleuchtung, smarte Daylight-Sensorik ermöglicht die Anpassung der Lichtstärke an die Umgebungshelligkeit. Zudem misst die SENSE-Variante Werte wie Temperatur, Luftqualität, Luftfeuchtigkeit und Geräuschpegel. Diese Daten liefern nicht nur wichtige Erkenntnisse über die Bedingungen und Nutzung von Räumen, sondern unterstützen langfristig Energieeinsparungen. Die Daten der Sensoren werden über DALI übertragen. Der SENSE Sensor ist IoT ready und ermöglicht der TASK free standing die Datenübertragung mittels WLAN.

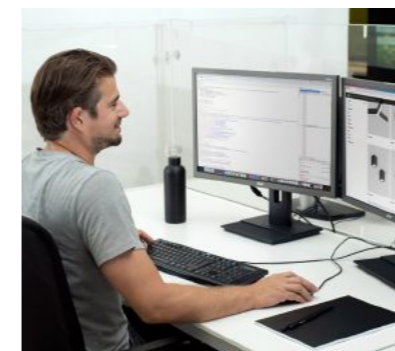


### ESSENTIAL sensor

- brightness
- presence

### SENSE sensor

- brightness
- presence
- temperature
- humidity
- sound pressure
- CO<sub>2</sub>



## Screen-work friendly

EN TASK guarantees standard-compliant illumination of workplaces with custom anti-glare prisms. TASK also focuses on brightness and reduces reflections. An ideal light source for double workstations in open-plan offices and also for single workstations in smaller offices.

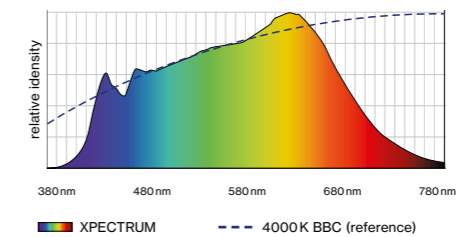
DE Durch spezielle Entblendungsprismen garantiert TASK eine normgerechte Ausleuchtung von Arbeitsplätzen. Eine ideale Lichtquelle für Doppelarbeitsplätze in Großraumbüros aber auch für Einzelarbeitsplätze in kleineren Büroräumen und das bei reduzierten Spiegelungen.

## Full-spectrum LED

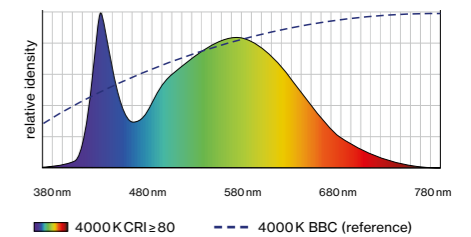
EN XAL's new XPECTRUM LEDs deliver healthy, biologically effective light. The reduced blue light and increased cyan values reduce the blue light hazard for the eye to daylight-equivalent levels. The resulting non-visual, so-called melanopic light effect, improves concentration and increases sleep quality. The excellent colour rendering of IES T<sub>M</sub> 30-15 R<sub>i</sub> = 98 and R<sub>g</sub> = 101 further helps visual comfort.

DE Die neue XPECTRUM LED von XAL sorgt für gesundes, biologisch wirksames Licht. Der reduzierte Blaulichtanteil sowie die erhöhten Cyan-Werte minimieren die Blaulichtgefahr für das Auge auf ein tageslichtähnliches Niveau. Die daraus resultierende nichtvisuelle, auch melanopische Lichtwirkung genannt, fördert die Konzentration und steigert die Schlafqualität. Die hervorragende Farbwiedergabe von IES T<sub>M</sub> 30-15 R<sub>i</sub> = 98 und R<sub>g</sub> = 101 ermöglicht zudem einen verbesserten Sehkomfort.

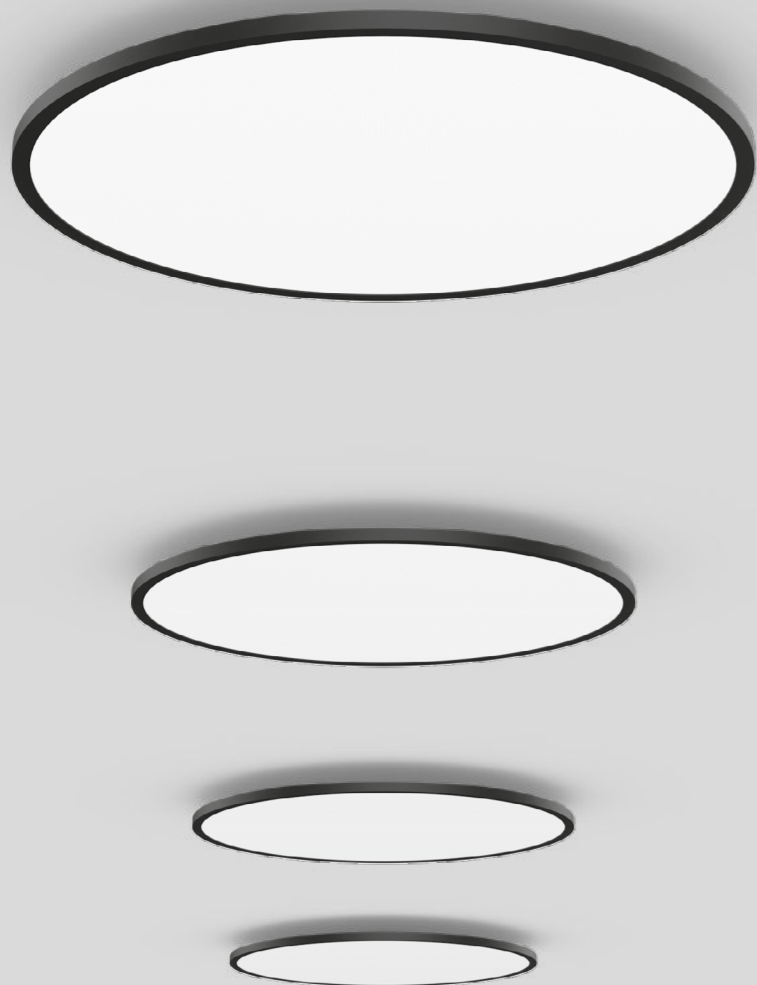
XPECTRUM LED



Commercially available LED 4000K



← back



## TASK round surface

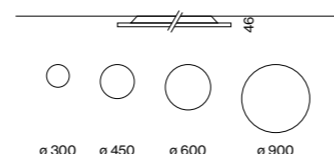
**EN** Round luminaire housing in aluminium; ultra low-profile design (only 15 mm); surface powder coated; convenient quick mounting system without tools; direct light distribution by LGP body (Light Guiding Prism); side coupled light directed downwards by laser engraving; light control via highly reflective reflector material; completely homogeneous illumination; energy-efficient LEDs with very good colour rendering; luminaire with 2 cable openings and plug-in terminals for through wiring; sound absorbing accessories available

**DE** Runder Leuchtenkörper aus Aluminium; extrem flache Bauform (nur 15 mm); Oberfläche pulverbeschichtet; komfortables, werkzeugloses Schnellmontagesystem; direkte Lichtverteilung durch LGP-Body (Light-Guiding-Prism); seitlich eingekoppeltes Licht durch Lasergravur nach unten gelenkt; Lichtlenkung mittels hochreflektierenden Reflektormaterials; absolut homogene Ausleuchtung; energieeffiziente LEDs mit sehr guter Farbwiedergabe; Leuchte mit 2 Kabelöffnungen und Steckklemme für Weiterverdrahtung; schallabsorbierendes Zubehör erhältlich

### Quickinfo

3000K, 4000K  
 CRI ≥ 90, 3 SDCM  
 UGR ≤ 19 / 65° ≤ 3000 cd/m<sup>2</sup>  
 up to 136 lm/W  
 L90 @ 50 000 h  
 DALI-2  
 microprismatic (UGR ≤ 19)  
 IP 40

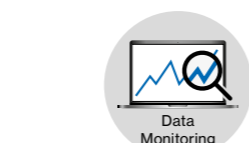
### Types



### Colours



### Light distribution



DiiA® standards  
 251, 252, 253



DIN EN 12464-1 UGR ≤ 19 easy mounting by click-mechanism



acoustic elements (p. 456) CRI ≥ 98 XPECTRUM

### Order options

COLOUR TEMPERATURE	
3000K	0
4000K	1

CONTROL	
DALI-2	

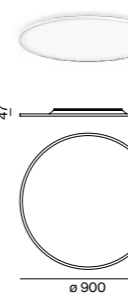
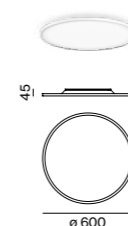
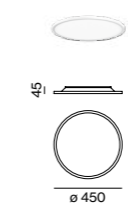
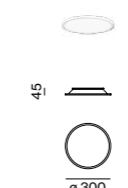
MATERIAL COLOUR	
○ pure white RAL 9010	7
● jet black RAL 9005	8
● special colours p. 992	X

LIGHT OPTIC COVER	
microprismatic (UGR ≤ 19)	

### Options on request

COLOUR RENDERING INDEX	
CRI ≥ 80	
CRI ≥ 98 XPECTRUM	

CONTROL	
Casambi	



### TASK 300 round surface



DIRECT	SYSTEM POWER	COLOUR TEMP.	LUMINOUS FLUX	ORDER CODE
	11.4 W	3000 K	1020 lm	0 5 9 - 0 1 5 0 :: 3 P
		4000 K	1080 lm	

### TASK 450 round surface



DIRECT	SYSTEM POWER	COLOUR TEMP.	LUMINOUS FLUX	ORDER CODE
	16 W	3000 K	1750 lm	0 5 9 - 0 1 4 1 :: 3 P
		4000 K	1860 lm	
	22.8 W	3000 K	2400 lm	0 5 9 - 0 1 5 1 :: 3 P
		4000 K	2560 lm	

### TASK 600 round surface



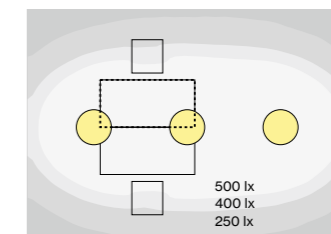
DIRECT	SYSTEM POWER	COLOUR TEMP.	LUMINOUS FLUX	ORDER CODE
	30 W	3000 K	3470 lm	0 5 9 - 0 1 4 2 :: 3 P
		4000 K	3690 lm	
	40 W	3000 K	4350 lm	0 5 9 - 0 1 5 2 :: 3 P
		4000 K	4630 lm	

### TASK 900 round surface



DIRECT	SYSTEM POWER	COLOUR TEMP.	LUMINOUS FLUX	ORDER CODE
	52 W	3000 K	6630 lm	0 5 9 - 0 1 4 3 :: 3 K
		4000 K	7060 lm	

### Technical data



**TASK 600 round surface**  
 30 W, 4000 K, direct

**ROOM VALUES**

Room dimensions	5.4 × 4 × 2.8 m
Reflection factor	0.7   0.5   0.2
Maintenance factor	0.8

**CALCULATION SURFACE**

Surface dimensions	1.6 × 0.8 m
Surface height	0.75 m
Average illuminance (E <sub>av</sub> )	> 500 lx
Uniformity (U <sub>0</sub> )	> 0.6



**GLARE EVALUATION**

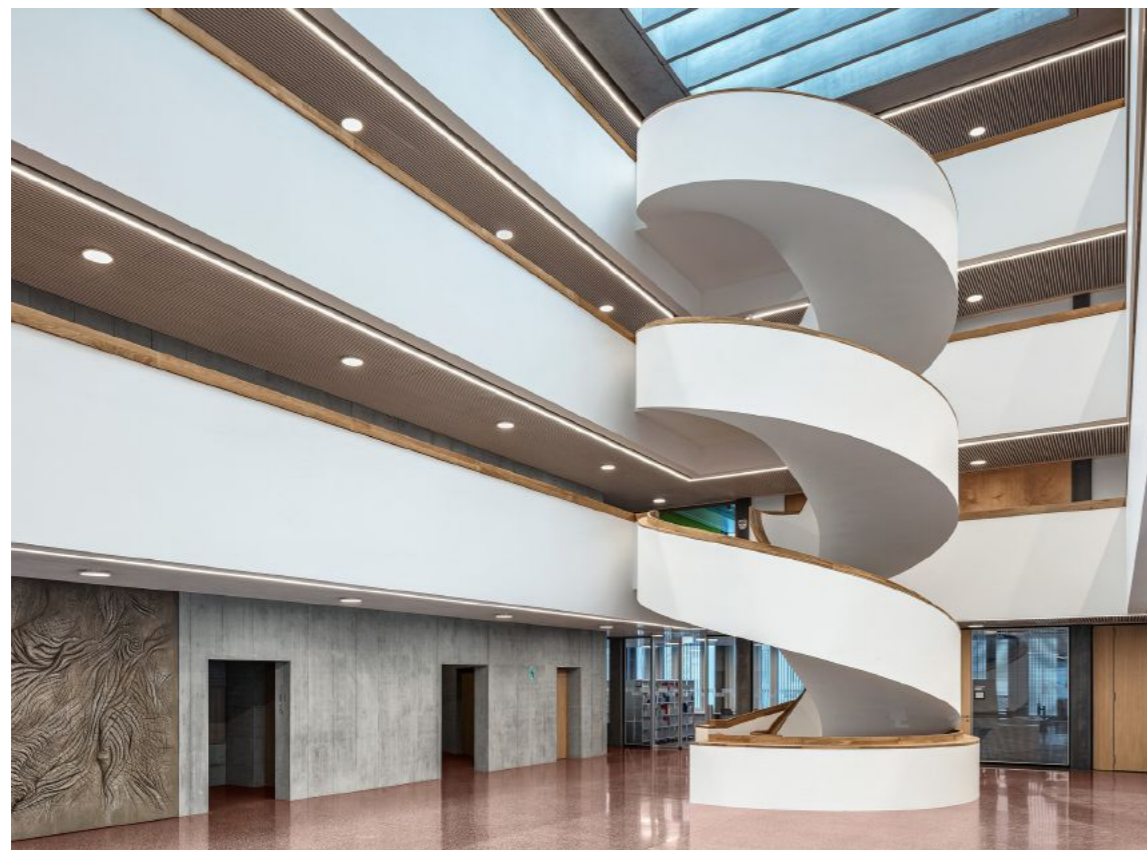
Table Classification X=4H | Y=8H | S=0.25H

UGR transversal	≤ 19
UGR axial	≤ 19
≥ 65° ≤ 3000 cd/m <sup>2</sup>	

LUMINOUS FLUX value calculated for CRI ≥ 90, colour white, cover microprismatic



**XUND Bildungszentrum** Lucerne, CH –  
by Metron AG with lighting design  
by Bühmann Engineering AG



# XUND BISTRO

Warme Getränke	Snacks
Kaffee, Espresso, Bistretto	Glühwein
Espresso Doppio	Schoggi
Espresso Macchiato	Brot
Cappuccino, Latte Macchiato	Kuchen
Schoggi warm oder kalt	Brotchen
Tea	Krugentee
	Frühstücksbrot
	Sandwich

**Triplex Universitätsbibliothek  
und Ausleihe** Heidelberg, DE –  
by ap88 Architekten Partner-  
schaft mbB with lighting design  
by LDE BELZNER HOLMES



← back



## TASK round

suspended

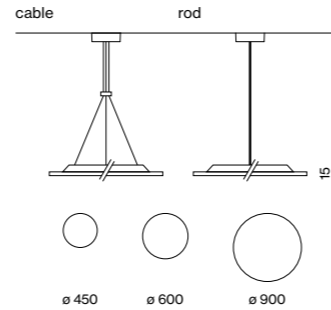
**EN** Round luminaire housing in aluminium; ultra low-profile design (only 15 mm); powder coated; suspended; with height adjustable rod suspension (chrome), feed in rod; direct light distribution by LGP body (Light Guiding Prism); side coupled light directed downwards by laser engraving; light control via highly reflective reflector material; optional: indirect component with special PCBs for increased luminous flux and maximum ceiling illumination; completely homogeneous illumination; energy-efficient LEDs with very good colour rendering; canopy for through wiring; sound absorbing accessories available

**DE** Runder Leuchtenkörper aus Aluminium; extrem flache Bauform (nur 15 mm); pulverbeschichtet; abgependelt; mit kürzbarer Pendelrohrabhangung (chrom), Einspeiseleitung in Pendelrohr; direkte Lichtverteilung durch LGP-Body (Light-Guiding-Prism); seitlich eingekoppeltes Licht durch Lasergravur nach unten gelenkt; Lichtlenkung mittels hochreflektierenden Reflektormaterials; optional: Indirektlichtanteil mit eigenen Platinen für erhöhten Lichtstrom und maximale Deckenaufhellung; absolut homogene Ausleuchtung; energieeffiziente LEDs mit sehr guter Farbwiedergabe; Baldachin für Weiterverdrahtung; schallabsorbierendes Zubehör erhältlich

### Quickinfo

3000K, 4000K  
 CRI ≥ 90, 3 SDCM  
 UGR ≤ 19 / 65° ≤ 3000 cd/m<sup>2</sup>  
 up to 137 lm/W  
 L90 @ 50 000 h  
 DALI-2  
 microprismatic (UGR ≤ 19)  
 IP 40

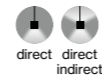
### Types



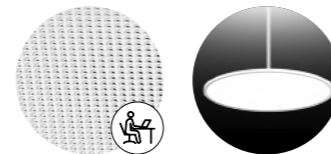
### Colours



### Light distributions



DiiA® standards  
 251, 252, 253



DIN EN 12464-1 UGR ≤ 19 direct/indirect illumination



acoustic elements (p. 456) CRI ≥ 98 XPECTRUM

### Order options

**SUSPENSION**   
 cable 1500 mm 2  
 rod 1000 mm 4

**COLOUR TEMPERATURE**   
 3000K 0  
 4000K 1

### CONTROL

DALI-2

### MATERIAL COLOUR

pure white RAL 9010 7  
 jet black RAL 9005 8  
 special colours\* p. 992 X  
 \*canopy always in white

### LIGHT OPTIC COVER

microprismatic (UGR ≤ 19)

### Options on request

**COLOUR RENDERING INDEX**  
 CRI ≥ 80  
 CRI ≥ 98 XPECTRUM

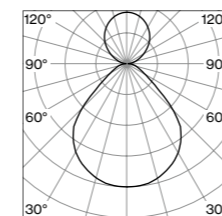
### SUSPENSION

rod 2000 mm

### CONTROL

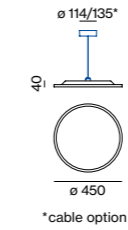
Casambi

### Light distribution

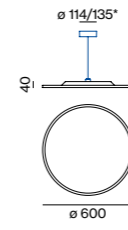


microprismatic  
 direct/indirect power

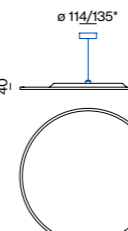
**LUMINOUS FLUX** value calculated for CRI ≥ 90, colour white, cover microprismatic



\*cable option



\*cable option



\*cable option

### TASK 450 round suspended



#### DIRECT

SYSTEM POWER	COLOUR TEMP.	LUMINOUS FLUX	ORDER CODE
16 W	3000 K	1750 lm	0 5 9 - 0 4 1 :: 3 P
	4000 K	1860 lm	



#### DIRECT / INDIRECT POWER

SYSTEM POWER	COLOUR TEMP.	LUMINOUS FLUX	ORDER CODE
38 W	3000 K	↓ 2710 / ↑ 1460 lm	0 5 9 - 0 5 6 1 :: 3 P
	4000 K	↓ 2880 / ↑ 1550 lm	

### TASK 600 round suspended



#### DIRECT

SYSTEM POWER	COLOUR TEMP.	LUMINOUS FLUX	ORDER CODE
30 W	3000 K	3470 lm	0 5 9 - 0 3 4 2 :: 3 P
	4000 K	3690 lm	



#### DIRECT / INDIRECT POWER

SYSTEM POWER	COLOUR TEMP.	LUMINOUS FLUX	ORDER CODE
45 W	3000 K	↓ 3470 / ↑ 1770 lm	0 5 9 - 0 5 6 2 :: 3 P
	4000 K	↓ 3690 / ↑ 1880 lm	

### TASK 900 round suspended



#### DIRECT

SYSTEM POWER	COLOUR TEMP.	LUMINOUS FLUX	ORDER CODE
52 W	3000 K	6630 lm	0 5 9 - 0 4 3 :: 3 K
	4000 K	7060 lm	



#### DIRECT / INDIRECT POWER

SYSTEM POWER	COLOUR TEMP.	LUMINOUS FLUX	ORDER CODE
100 W	3000 K	↓ 8800 / ↑ 4110 lm	0 5 9 - 0 5 6 3 :: 3 K
	4000 K	↓ 9370 / ↑ 4370 lm	



**INSPIRATIONAL BOARD**

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- SAP Education Newscast Episode 016 - Wissensmanagement
- Mindstark - Learning Podcast
- PDF - Heute das Morgen erleben - 23.07

**Lies mal:**

- Yuval Noah Harari - 21 Lektionen für das 21. Jhd.
- The Culture Code - the secrets of highly successful groups

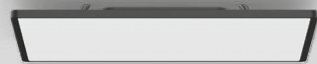
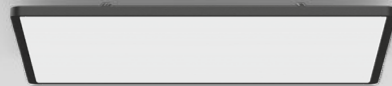
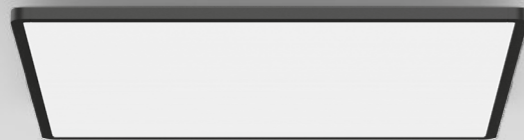
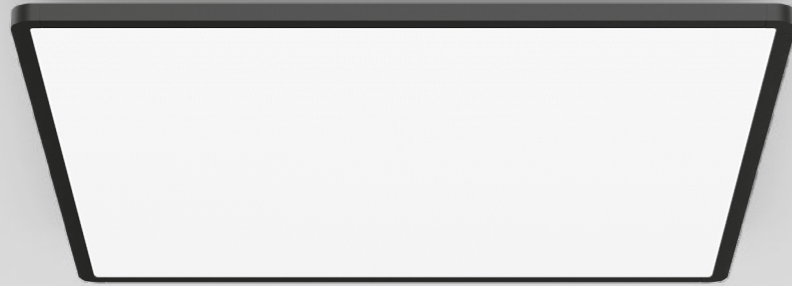
**Schau mal:**

- WIRED: 5 Levels
- Am Wochenende einfach Office sein

**Microsoft Office**  
Brussels, BE –  
by PROCOS Group



← back



## TASK square surface

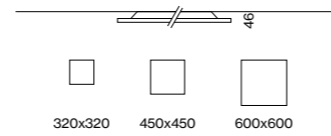
**EN** Square housing made of aluminium with rounded edges; ultra low-profile design (only 15 mm); surface powder coated; convenient quick mounting system without tools; direct light distribution by LGP body (Light Guiding Prism); side coupled light directed downwards by laser engraving; light control via highly reflective reflector material; completely homogeneous illumination; energy-efficient LEDs with very good colour rendering; luminaire with 2 cable openings and plug-in terminals for through wiring; sound absorbing accessories available

**DE** Quadratischer Leuchtenkörper aus Aluminium mit abgerundeten Kanten; extrem flache Bauform (nur 15 mm); Oberfläche pulverbeschichtet; komfortables, werkzeugloses Schnellmontagesystem; direkte Lichtverteilung durch LGP-Body (Light-Guiding-Prism); seitlich eingekoppeltes Licht durch Lasergravur nach unten gelenkt; Lichtlenkung mittels hochreflektierenden Reflektormaterials; absolut homogene Ausleuchtung; energieeffiziente LEDs mit sehr guter Farbwiedergabe; Leuchte mit 2 Kabelöffnungen und Steckklemme für Weiterverdrahtung; schallabsorbierendes Zubehör erhältlich

### Quickinfo

3000K, 4000K  
 CRI ≥ 90, 3 SDCM  
 UGR ≤ 19 / 65° ≤ 3000 cd/m²  
 up to 137 lm/W  
 L90 @ 50 000h  
 DALI-2  
 microprismatic (UGR ≤ 19)

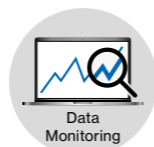
### Types



### Colours



### Light distribution



DiiA® standards  
 251, 252, 253



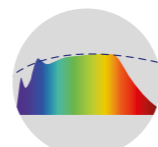
DIN EN 12464-1  
 UGR ≤ 19



easy  
 mouting



acoustic  
 elements (p.456)



CRI ≥ 98  
 XPECTRUM

### Order options

COLOUR TEMPERATURE	
3000K	0
4000K	1

### CONTROL

DALI-2

### MATERIAL COLOUR

<input type="radio"/> pure white RAL 9010	7
<input checked="" type="radio"/> jet black RAL 9005	8
<input checked="" type="radio"/> special colours p.992	X

### LIGHT OPTIC COVER

microprismatic (UGR ≤ 19)

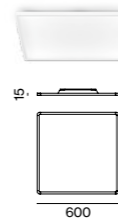
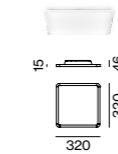
### Options on request

#### COLOUR RENDERING INDEX

CRI ≥ 80  
 CRI ≥ 98 XPECTRUM

### CONTROL

Casambi



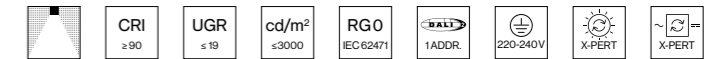
### TASK 320 square surface



#### DIRECT

SYSTEM POWER	COLOUR TEMP.	LUMINOUS FLUX	ORDER CODE
11.8W	3000K	1230lm	0 5 9 - 2 1 1 0 :: 3 ▣ K
	4000K	1310lm	

### TASK 450 square surface



#### DIRECT

SYSTEM POWER	COLOUR TEMP.	LUMINOUS FLUX	ORDER CODE
15W	3000K	1880lm	0 5 9 - 2 1 4 1 :: 3 ▣ K
	4000K	2000lm	

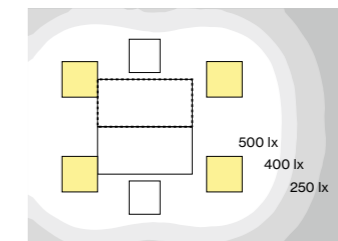
### TASK 600 square surface



#### DIRECT

SYSTEM POWER	COLOUR TEMP.	LUMINOUS FLUX	ORDER CODE
27.3W	3000K	3510lm	0 5 9 - 2 1 4 2 :: 3 ▣ K
	4000K	3730lm	

### Technical data



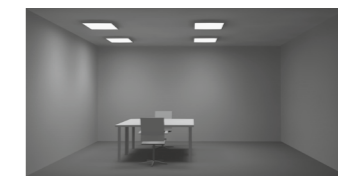
**TASK 600 square surface**  
 27.3W, 4000K, direct

#### ROOM VALUES

Room dimensions	5.4×4×2.8m
Reflection factor	0.7   0.5   0.2
Maintenance factor	0.8

#### CALCULATION SURFACE .....

Surface dimensions	1.6×0.8m
Surface height	0.75m
Average illuminance (E <sub>m</sub> )	> 500 lx
Uniformity (U <sub>0</sub> )	> 0.6



#### GLARE EVALUATION

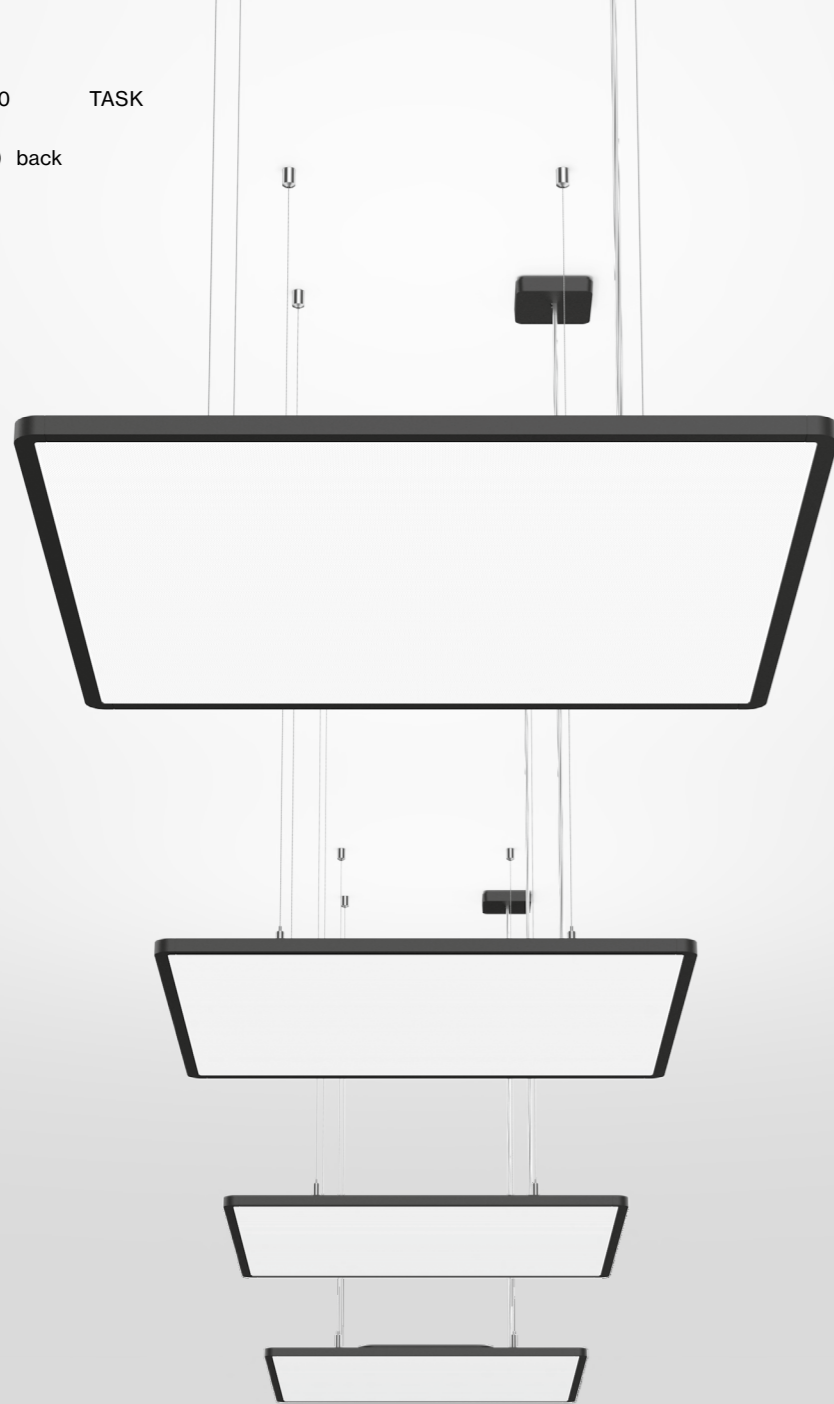
Table Classification X=4H   Y=8H   S=0.25H	
UGR transversal	≤ 19
UGR axial	≤ 19
≥ 65° ≤ 3000 cd/m²	

LUMINOUS FLUX value calculated for  
 CRI ≥ 90, colour white, cover microprismatic

**Art Invest headquarters** Cologne, DE –  
by Lepel & Lepel Architektur with  
lighting design by Volker von Kardorff



← back



## TASK square

suspended

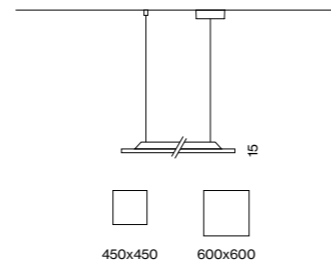
**EN** Square housing made of aluminium with rounded edges; ultra low-profile design (only 15 mm); powder coated; pendant fitting with cable suspension (4 cables); with integrated tool-less suspension height adjustment; incl. transparent feed; direct light distribution by LGP body (Light Guiding Prism); side coupled light directed downwards by laser engraving; light control via highly reflective reflector material; optional: indirect component with special PCBs for increased luminous flux and maximum ceiling illumination; completely homogeneous illumination; energy-eff. LEDs – very good colour rendering; canopy for through wiring; sound absorbing accessories available

**DE** Quadratischer Leuchtenkörper aus Aluminium mit abgerundeten Kanten; extrem flache Bauform (nur 15 mm); pulverbeschichtet; abgependelt mit Seilabhangung (4 Seile); werkzeuglose Hohenverstellung an der Leuchte; inkl. transparenter Einspeiseleitung; direkte Lichtverteilung durch LGP-Body (Light-Guiding-Prism); seitlich eingekoppeltes Licht durch Lasergravur nach unten gelenkt; Lichtlenkung mittels hochreflektierenden Reflektormaterials; optional: Indirektlichtanteil mit eigenen Platinen fur erhoheten Lichtstrom und maximale Deckenaufhellung; absolut homogene Ausleuchtung; energieeff. LEDs – sehr gute Farbwiedergabe; Baldachin fur Weiterverdrahtung; schallabsorbierendes Zubehor erhaltlich

### Quickinfo

3000K, 4000K  
 CRI ≥ 90, 3 SDCM  
 UGR ≤ 19 / 65° ≤ 3000 cd/m²  
 up to 137 lm/W  
 L90 @ 50 000 h  
 DALI-2  
 microprismatic (UGR ≤ 19)

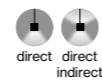
### Types



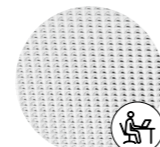
### Colours



### Light distributions



DiiA® standards  
 251, 252, 253



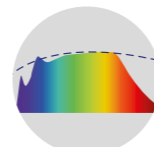
DIN EN 12464-1  
 UGR ≤ 19



flat design  
 (15 mm)



acoustic  
 elements (p. 456)



CRI ≥ 98  
 XPECTRUM

### Order options

**SUSPENSION**  
 cable 1500 mm

**COLOUR TEMPERATURE**

3000K	0
4000K	1

**CONTROL**  
 DALI-2

**MATERIAL COLOUR**

○ pure white RAL 9010	7
● jet black RAL 9005	8
● special colours* p. 992	X

\*canopy always in white

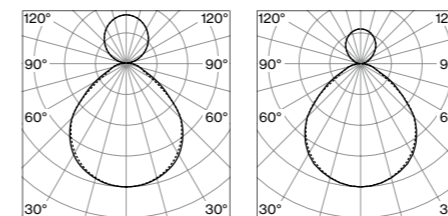
**LIGHT OPTIC COVER**  
 microprismatic (UGR ≤ 19)

### Options on request

**COLOUR RENDERING INDEX**  
 CRI ≥ 80  
 CRI ≥ 98 XPECTRUM

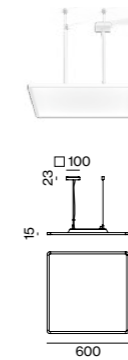
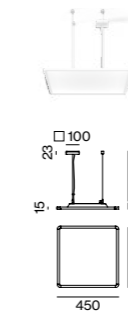
**CONTROL**  
 Casambi

### Light distributions

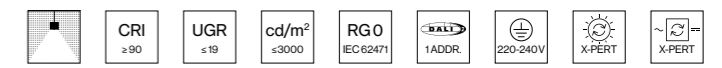


TASK 450 microprismatic direct/indirect power  
 TASK 600 microprismatic direct/indirect power

**LUMINOUS FLUX** value calculated for  
 CRI ≥ 90, colour white, cover microprismatic



### TASK 450 square suspended



**DIRECT**

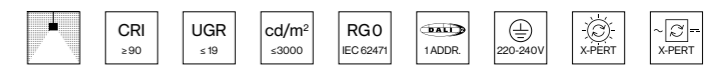
SYSTEM POWER	COLOUR TEMP.	LUMINOUS FLUX	ORDER CODE
15 W	3000 K	1880 lm	0 5 9 - 2 2 1 1 :: 3 ▣ K
	4000 K	2000 lm	



**DIRECT / INDIRECT POWER**

SYSTEM POWER	COLOUR TEMP.	LUMINOUS FLUX	ORDER CODE
35 W	3000 K	↓ 2910 / ↑ 1470 lm	0 5 9 - 2 2 3 1 :: 3 ▣ K
	4000 K	↓ 3100 / ↑ 1570 lm	

### TASK 600 square suspended



**DIRECT**

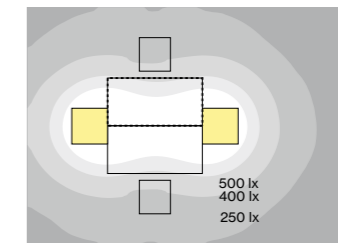
SYSTEM POWER	COLOUR TEMP.	LUMINOUS FLUX	ORDER CODE
27.3 W	3000 K	3510 lm	0 5 9 - 2 2 1 2 :: 3 ▣ K
	4000 K	3730 lm	



**DIRECT / INDIRECT POWER**

SYSTEM POWER	COLOUR TEMP.	LUMINOUS FLUX	ORDER CODE
57 W	3000 K	↓ 5660 / ↑ 1530 lm	0 5 9 - 2 2 3 2 :: 3 ▣ K
	4000 K	↓ 6020 / ↑ 1620 lm	

### Technical data



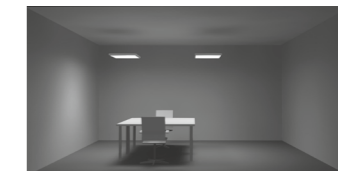
**TASK 600 square suspended**  
 57 W, 4000 K, direct/indirect power

**ROOM VALUES**

Room dimensions	5.4 × 4 × 2.8 m
Reflection factor	0.7   0.5   0.2
Maintenance factor	0.8
Suspension height	2.25 m

**CALCULATION SURFACE**

Surface dimensions	1.6 × 0.8 m
Surface height	0.75 m
Average illuminance (E <sub>m</sub> )	> 500 lx
Uniformity (U <sub>0</sub> )	> 0.6



**GLARE EVALUATION**

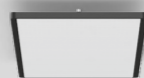
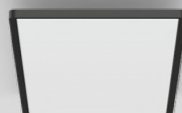
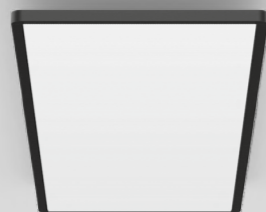
Table Classification X=4H   Y=8H   S=0.25H	
UGR transversal	≤ 19
UGR axial	≤ 19



**XAL headquarters** Graz, AT –  
by INNOCAD Architektur ZT



← back



# TASK

ceiling

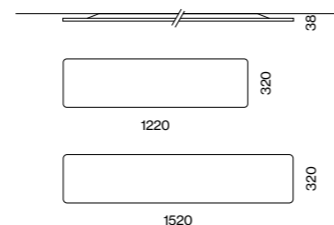
**EN** Rectangular housing made of aluminium with rounded edges; ultra low-profile design (only 15 mm); surface powder coated; convenient quick mounting system without tools; direct light distribution by LGP body (Light Guiding Prism); side coupled light directed downwards by laser engraving; light control via highly reflective reflector material; completely homogeneous illumination; energy-efficient LEDs with very good colour rendering; luminaire with 2 cable openings and plug-in terminals for through wiring

**DE** Rechteckiger Leuchtenkörper aus Aluminium mit abgerundeten Kanten; extrem flache Bauform (nur 15 mm); Oberfläche pulverbeschichtet; komfortables, werkzeugloses Schnellmontagesystem; direkte Lichtverteilung durch LGP-Body (Light-Guiding-Prism); seitlich eingekoppeltes Licht durch Lasergravur nach unten gelenkt; Lichtlenkung mittels hochreflektierenden Reflektormaterials; absolut homogene Ausleuchtung; energieeffiziente LEDs mit sehr guter Farbwiedergabe; Leuchte mit 2 Kabelöffnungen und Steckklemme für Weiterverdrahtung

## Quickinfo

3000K, 4000K, TW  
 CRI ≥ 90, 3 SDCM  
 UGR ≤ 19 / 65° ≤ 3000 cd/m²  
 up to 131lm/W  
 L80 @ 50 000h  
 DALI-2  
 microprismatic (UGR ≤ 19)

## Types



## Colours



## Light distribution



## Order options

**COLOUR TEMPERATURE**  
 3000K 0  
 4000K 1  
 tunable white 2700–6500K\*  
 \*DALI-2 DT8; CRI ≥ 80

## CONTROL

DALI-2

## MATERIAL COLOUR

○ pure white RAL 9010 7  
 ● jet black RAL 9005 8  
 special colours p.992 X

## LIGHT OPTIC COVER

microprismatic (UGR ≤ 19)

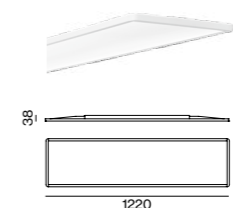
## Options on request

## COLOUR RENDERING INDEX

CRI ≥ 80  
 CRI ≥ 98 XPECTRUM

## CONTROL

ESSENTIAL sensor  
 (brightness & presence)

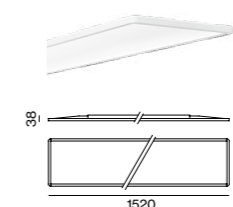


## TASK 1200 ceiling



### DIRECT

SYSTEM POWER	COLOUR TEMP.	LUMINOUS FLUX	ORDER CODE
28.4W	3000K	3440lm	0 5 9 - 2 1 1 4 :: 3 K
29.3W	4000K	3660lm	0 5 9 - 2 1 1 4 D 3 K
	2700–6500K	± 3220lm	0 5 9 - 2 1 1 4 D 3 K



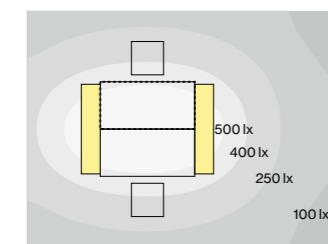
## TASK 1500 ceiling



### DIRECT

SYSTEM POWER	COLOUR TEMP.	LUMINOUS FLUX	ORDER CODE
36W	3000K	4300lm	0 5 9 - 2 1 1 5 :: 3 K
37W	4000K	4570lm	0 5 9 - 2 1 1 5 D 3 K
	2700–6500K	± 4020lm	0 5 9 - 2 1 1 5 D 3 K

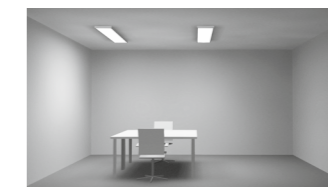
## Technical data



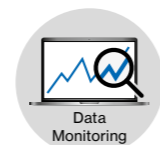
**TASK 1500 ceiling**  
 36W, 4000K, direct

**ROOM VALUES**  
 Room dimensions 5.4 × 4 × 2.8m  
 Reflection factor 0.7 | 0.5 | 0.2  
 Maintenance factor 0.8

**CALCULATION SURFACE**  
 Surface dimensions 1.6 × 0.8m  
 Surface height 0.75m  
 Average illuminance (E<sub>av</sub>) > 500 lx  
 Uniformity (U<sub>0</sub>) > 0.6



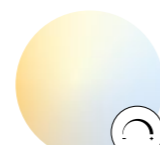
**GLARE EVALUATION**  
 Table Classification X=4H | Y=8H | S=0.25H  
 UGR transversal ≤ 19  
 UGR axial ≤ 19  
 ≥ 65° ≤ 3000 cd/m²



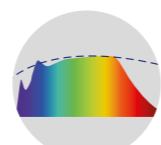
DiiA® standards  
 251, 252, 253



DIN EN 12464-1  
 UGR ≤ 19



tunable white  
 2700–6500K



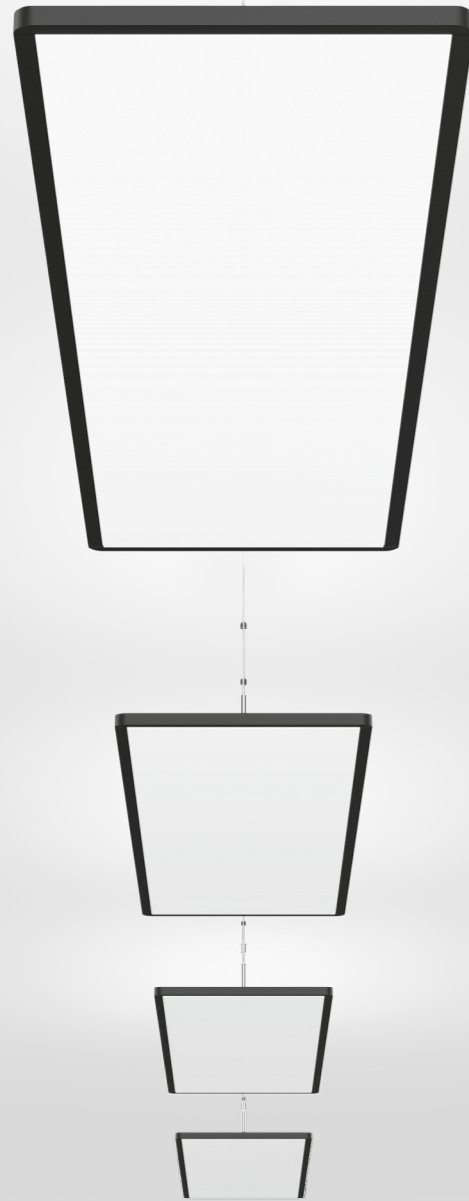
CRI ≥ 98  
 XPECTRUM

**LUMINOUS FLUX** value calculated for  
 CRI ≥ 90, colour white, cover microprismatic

**Münchner Rückversicherung** Munich, DE –  
by Scholz - SorgerArchitekten Partnerschaft mbB  
with lighting design by Lumen<sup>3</sup> GbR



← back



 **reddot award 2015**  
winner



## TASK

suspended

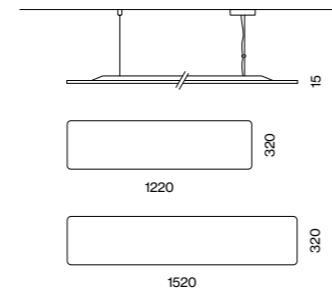
**EN** Rectangular housing made of aluminium with rounded edges; ultra low-profile design (only 15 mm); surface powder coated; 1500 mm cable suspension, tool-less height adjustment; incl. transparent feed; direct light distribution by LGP body (Light Guiding Prism); side coupled light directed downwards by laser engraving; indirect component with special PCBs for increased luminous flux and maximum ceiling illumination; completely homogeneous illumination; energy-efficient LEDs with very good colour rendering; canopy with 2 cable openings and plug-in terminal for through wiring

**DE** Rechteckiger Leuchtenkörper aus Aluminium mit abgerundeten Kanten; extrem flache Bauform (nur 15 mm); Oberfläche pulverbeschichtet; werkzeuglos höhenverstellbare 1500 mm Seilabhängung; inkl. transparenter Einspeiseleitung; direkte Lichtverteilung durch LGP-Body (Light-Guiding-Prism); seitlich eingekoppeltes Licht durch Lasergravur nach unten gelenkt; Indirektlichtanteil mit eigenen Platinen für erhöhten Lichtstrom und maximale Deckenaufhellung; absolut homogene Ausleuchtung; energieeffiziente LEDs mit sehr guter Farbwiedergabe; Baldachin mit 2 Kabelöffnungen und Steckklemme für Weiterverdrahtung

### Quickinfo

3000K, 4000K, TW  
CRI ≥ 90, 3 SDCM  
UGR ≤ 19 / 65° ≤ 3000 cd/m<sup>2</sup>  
up to 129 lm/W  
L80 @ 50 000 h  
DALI-2  
microprismatic (UGR ≤ 19)  
IP 40

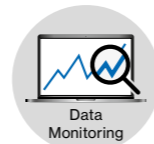
### Types



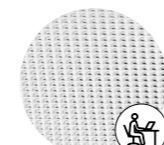
### Colours



### Light distribution



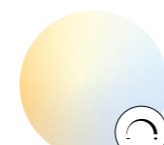
DiiA® standards  
251, 252, 253



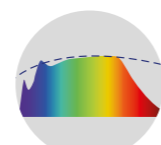
DIN EN 12464-1  
UGR ≤ 19



direct/indirect  
illumination



tunable white  
2700–6500 K



CRI ≥ 98  
XPECTRUM

### Order options

**SUSPENSION**  
cable 1500 mm

**COLOUR TEMPERATURE**    
3000K 0  
4000K 1  
tunable white 2700–6500 K\*  
\*DALI-2 DT8; CRI ≥ 80

**CONTROL**  
DALI-2

**MATERIAL COLOUR**   
○ pure white RAL 9010 7  
● jet black RAL 9005 8  
● special colours\* p. 992 X  
\*canopy always in white

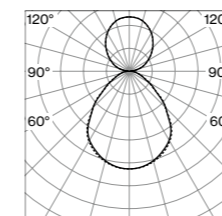
**LIGHT OPTIC COVER**  
microprismatic (UGR ≤ 19)

### Options on request

**COLOUR RENDERING INDEX**  
CRI ≥ 80  
CRI ≥ 98 XPECTRUM

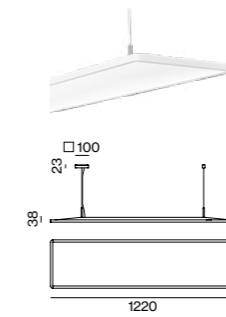
**CONTROL**  
ESSENTIAL sensor  
(brightness & presence)

### Light distribution

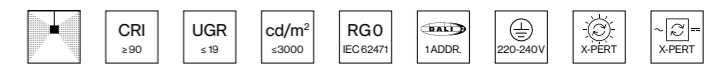


microprismatic  
direct/indirect power

**LUMINOUS FLUX** value calculated for  
CRI ≥ 90, colour white, cover microprismatic

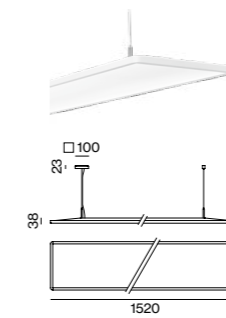


### TASK 1200 suspended

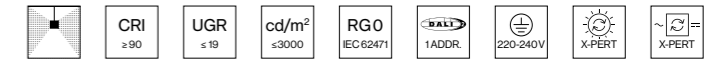


#### DIRECT/INDIRECT POWER

SYS. POWER	COLOUR TEMP.	LUMINOUS FLUX	ORDER CODE
50 W	3000 K	↓ 3890 / ↑ 2180 lm	0 5 9 - 2 2 2 4 :: 3 ▣ K
52 W	4000 K	↓ 4140 / ↑ 2320 lm	
	2700–6500 K	↓ 3620 / ↑ 2100 lm	0 5 9 - 2 2 2 4 D 3 ▣ K



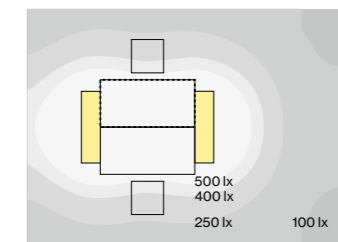
### TASK 1500 suspended



#### DIRECT/INDIRECT POWER

SYS. POWER	COLOUR TEMP.	LUMINOUS FLUX	ORDER CODE
63 W	3000 K	↓ 4860 / ↑ 2720 lm	0 5 9 - 2 2 2 5 :: 3 ▣ K
64 W	4000 K	↓ 5170 / ↑ 2900 lm	
	2700–6500 K	↓ 4530 / ↑ 2630 lm	0 5 9 - 2 2 2 5 D 3 ▣ K

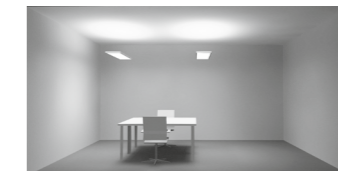
### Technical data



**TASK 1200** suspended  
50 W, 4000 K, direct/indirect power

**ROOM VALUES**  
Room dimensions 5.4 × 4 × 2.8 m  
Reflection factor 0.7 | 0.5 | 0.2  
Maintenance factor 0.8  
Suspension height 2.25 m

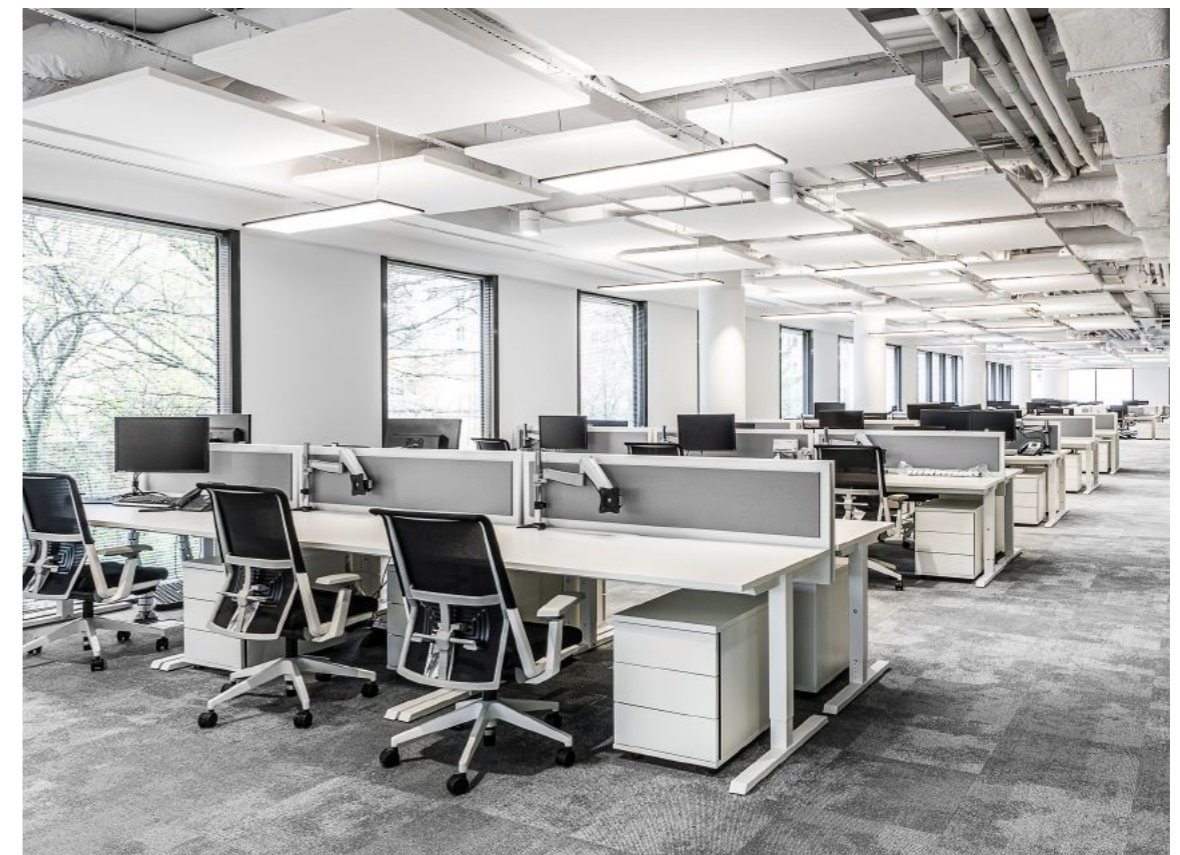
**CALCULATION SURFACE** .....  
Surface dimensions 1.6 × 0.8 m  
Surface height 0.75 m  
Average illuminance (E<sub>m</sub>) > 500 lx  
Uniformity (U<sub>0</sub>) > 0.6



**GLARE EVALUATION**  
Table Classification X=4H | Y=8H | S=0.25H  
UGR transversal ≤ 19  
UGR axial ≤ 19  
≥ 65° ≤ 3000 cd/m<sup>2</sup>



**Takeda Office** Lodz, PL –  
by The Design Group with lighting design  
by Plus Lighting



← back



# TASK S

suspended

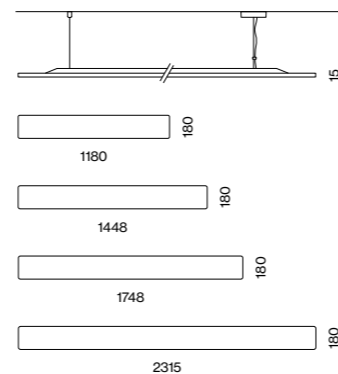
**EN** Rectangular housing made of aluminium with rounded edges; ultra low-profile design (only 15 mm); surface powder coated; 1500 mm cable suspension, tool-less height adjustment; incl. transparent feed; direct or direct/indirect light distribution by LGP body (Light Guiding Prism); side coupled light, directed downwards or up and down by laser engraving; light control via highly reflective reflector material; optional: indirect component with special PCBs for increased luminous flux and maximum ceiling illumination; completely homogeneous illumination; energy-efficient LEDs with very good colour rendering; canopy with 2 cable openings and plug-in terminal for through wiring

**DE** Rechteckiger Leuchtenkörper aus Aluminium mit abgerundeten Kanten; extrem flache Bauform (nur 15 mm); Oberfläche pulverbeschichtet; werkzeuglos höhenverstellbare 1500 mm Seilabhängung; inkl. transparenter Einspeiseleitung; direkte bzw. direkt/indirekte Lichtverteilung durch LGP-Body (Light-Guiding-Prism); seitlich eingekoppeltes Licht durch Lasergravur nach unten bzw. oben und unten gelenkt; Lichtlenkung mittels hochreflektierenden Reflektormaterials; optional: Indirektlichtanteil mit eigenen Platinen für erhöhten Lichtstrom und maximale Deckenaufhellung; absolut homogene Ausleuchtung; energieeffiziente LEDs mit sehr guter Farbwiedergabe; Baldachin mit 2 Kabelöffnungen und Steckklemme für Weiterverdrahtung

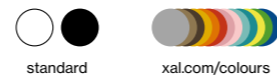
## Quickinfo

3000K, 4000K, TW  
 CRI ≥ 90, 3 SDCM  
 UGR ≤ 19 / 65° ≤ 3000 cd/m²  
 up to 126 lm/W  
 L95 @ 50 000h  
 DALI-2  
 brightness & presence sensor  
 microprismatic (UGR ≤ 19)

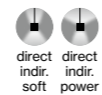
## Types



## Colours



## Light distributions



Data Monitoring

direct/indirect illumination

system solution (p.812)

DIN EN 12464-1 UGR ≤ 19

tunable white 2700–6500K

CRI ≥ 98 XPECTRUM

## Order options

**SUSPENSION**  
 cable 1500mm

**COLOUR TEMPERATURE**

3000K	0
4000K	1
tunable white 2700–6500K*	

\*DALI-2 DT8; CRI ≥ 80

3000K + TW 2700–6500K  
 4000K + TW 2700–6500K

DALI-2 DT8 (separately controllable)

**CONTROL**

DALI-2	3
ESSENTIAL sensor* (brightness & presence)	7

\*version with sensor: length + 9 mm

**MATERIAL COLOUR**

○ pure white RAL 9010	7
● jet black RAL 9005	8
● special colours* p.992	X

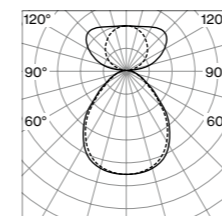
\*canopy always in white

**LIGHT OPTIC COVER**  
 microprismatic (UGR ≤ 19)

## Order options

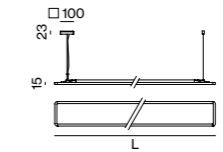
**COLOUR RENDERING INDEX**  
 CRI ≥ 80  
 CRI ≥ 98 XPECTRUM

## Light distribution

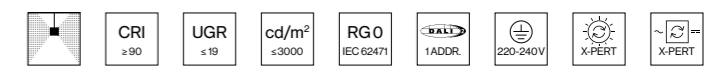


microprismatic  
 direct/indirect power

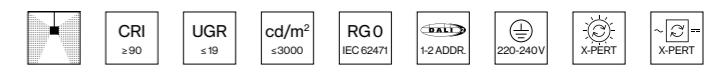
**LUMINOUS FLUX** value calculated for CRI ≥ 90, colour white, cover microprismatic



## TASK S suspended

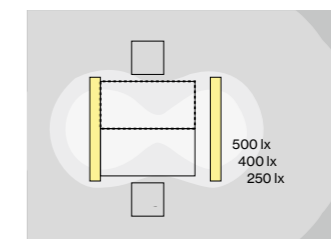


DIRECT / INDIRECT SOFT				
SYS. POWER	COLOUR TEMP.	LUM. FLUX	L (mm)	ORDER CODE
19.5 W	3000 K	↓ 1900 / ± 327 lm	1180	0 5 9 - 5 2 5 4 :: ▣ ▣ K
	4000 K	↓ 2020 / ± 347 lm		
24.4 W	3000 K	↓ 2380 / ± 408 lm	1448	0 5 9 - 5 2 5 5 :: ▣ ▣ K
	4000 K	↓ 2540 / ± 435 lm		
29.2 W	3000 K	↓ 2860 / ± 490 lm	1748	0 5 9 - 5 2 5 6 :: ▣ ▣ K
	4000 K	↓ 3040 / ± 521 lm		
39 W	3000 K	↓ 3810 / ± 653 lm	2315	0 5 9 - 5 2 5 8 :: ▣ ▣ K
	4000 K	↓ 4050 / ± 695 lm		



DIRECT / INDIRECT POWER				
SYS. POWER	COLOUR TEMP.	LUM. FLUX	L (mm)	ORDER CODE
29.6 W	3000 K	↓ 1890 / ± 1540 lm	1180	0 5 9 - 5 2 6 4 :: ▣ ▣ K
	4000 K	↓ 2010 / ± 1640 lm		
28.6 W	3000 K	↓ 1890 lm	1180	0 5 9 - 5 2 D 4 0 3 ▣ K
	(2 × DALI) 2700–6500 K	± 1490 lm		
28.6 W	4000 K	↓ 2010 lm	1180	0 5 9 - 5 2 D 4 1 3 ▣ K
	(2 × DALI) 2700–6500 K	± 1490 lm		
36 W (2 ×)	2700–6500 K	± 4010 lm	1180	0 5 9 - 5 2 6 4 D :: ▣ ▣ K
37 W	3000 K	↓ 2360 / ± 1920 lm	1448	0 5 9 - 5 2 6 5 :: ▣ ▣ K
	4000 K	↓ 2520 / ± 2050 lm		
36 W	3000 K	↓ 2360 lm	1448	0 5 9 - 5 2 D 5 0 :: ▣ ▣ K
	(2 × DALI) 2700–6500 K	± 1860 lm		
36 W	4000 K	↓ 2520 lm	1448	0 5 9 - 5 2 D 5 1 :: ▣ ▣ K
	(2 × DALI) 2700–6500 K	± 1860 lm		
44 W (2 ×)	2700–6500 K	± 5010 lm	1448	0 5 9 - 5 2 6 5 D :: ▣ ▣ K
44 W	3000 K	↓ 2840 / ± 2310 lm	1748	0 5 9 - 5 2 6 6 :: ▣ ▣ K
	4000 K	↓ 3020 / ± 2460 lm		
43 W	3000 K	↓ 2840 lm	1748	0 5 9 - 5 2 D 6 0 :: ▣ ▣ K
	(2 × DALI) 2700–6500 K	± 2230 lm		
43 W	4000 K	↓ 3020 lm	1748	0 5 9 - 5 2 D 6 1 :: ▣ ▣ K
	(2 × DALI) 2700–6500 K	± 2230 lm		
53 W (2 ×)	2700–6500 K	± 6010 lm	1748	0 5 9 - 5 2 6 6 D :: ▣ ▣ K
59 W	3000 K	↓ 3780 / ± 3080 lm	2315	0 5 9 - 5 2 6 8 :: ▣ ▣ K
	4000 K	↓ 4030 / ± 3270 lm		
57 W	3000 K	↓ 3780 lm	2315	0 5 9 - 5 2 D 8 0 :: ▣ ▣ K
	(2 × DALI) 2700–6500 K	± 2970 lm		
57 W	4000 K	↓ 4030 lm	2315	0 5 9 - 5 2 D 8 1 :: ▣ ▣ K
	(2 × DALI) 2700–6500 K	± 2970 lm		
71 W (2 ×)	2700–6500 K	± 8010 lm	2315	0 5 9 - 5 2 6 8 D :: ▣ ▣ K

## Technical data



**TASK S** suspended, 1748 mm  
 44 W, 4000 K, direct/indirect power

**ROOM VALUES**

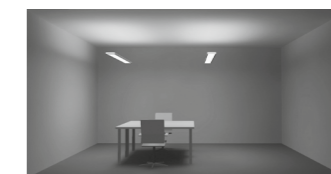
Room dimensions	5.4 × 4 × 2.8 m
Reflection factor	0.7   0.5   0.2
Maintenance factor	0.8
Suspension height	2.25 m

**CALCULATION SURFACE** .....

Surface dimensions	1.6 × 0.8 m
Surface height	0.75 m
Average illuminance (E <sub>m</sub> )	> 500 lx
Uniformity (U <sub>0</sub> )	> 0.6

**GLARE EVALUATION**

Table Classification X=4H   Y=8H   S=0.25H	
UGR transversal	≤ 19
UGR axial	≤ 19



**Dr. Schaer** Burgstall, IT –  
by monovolume architecture+  
design with lighting design by  
VON LUTZ - electrical and  
lighting projects / Alexa von Lutz



← back



# TASK

wall

**EN** Rectangular housing made of aluminium with rounded edges; ultra low-profile design (only 15 mm); surface powder coated; suitable for wall mounting; direct light distribution by LGP body (Light Guiding Prism); side coupled light directed downwards by laser engraving; light control via highly reflective reflector material; indirect component with special PCBs with asymmetrical light distribution; for optimum ceiling illumination; completely homogeneous illumination; energy-efficient LEDs with very good colour rendering

**DE** Rechteckiger Leuchtenkörper aus Aluminium mit abgerundeten Kanten; extrem flache Bauform (nur 15 mm); Oberfläche pulverbeschichtet; geeignet für Wandmontage; direkte Lichtverteilung durch LGP-Body (Light-Guiding-Prism); seitlich eingekoppeltes Licht durch Lasergravur nach unten gelenkt; Lichtlenkung mittels hochreflektierenden Reflektormaterials; Indirektlichtanteil mit eigenen Platinen mit asymmetrischer Lichtverteilung; für optimale Deckenaufhellung; absolut homogene Ausleuchtung; energieeffiziente LEDs mit sehr guter Farbwiedergabe

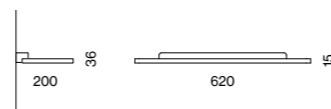


asymmetrical ceiling illumination

## Quickinfo

3000K, 4000K  
 CRI ≥ 90, 3 SDCM  
 up to 125lm/W  
 L90 @ 50 000h  
 DALI-2  
 microprismatic (UGR ≤ 16)

## Type



## Colours



## Light distribution



## Order options

COLOUR TEMPERATURE	
3000K	0
4000K	1

## CONTROL

DALI-2

## MATERIAL COLOUR

○ pure white RAL 9010	7
● jet black RAL 9005	8

## LIGHT OPTIC COVER

microprismatic (UGR ≤ 16)

## Options on request

## COLOUR RENDERING INDEX

CRI ≥ 80



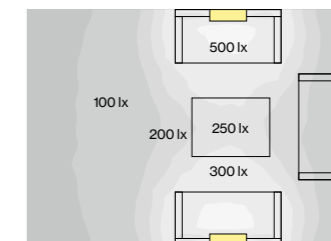
## TASK wall



## DIRECT / INDIRECT POWER

SYSTEM POWER	COLOUR TEMP.	LUMINOUS FLUX	ORDER CODE
46 W	3000 K	↓ 1850 / ↑ 3530 lm	0 5 9 - 2 0 3 2 :: 3 ▣ Z
	4000 K	↓ 1970 / ↑ 3760 lm	

## Technical data



**TASK wall**  
 46 W, 4000 K, direct/indirect power

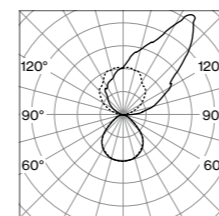
**ROOM VALUES**  
 Room dimensions 5.4 × 4.0 × 2.8 m  
 Reflection factor 0.7 | 0.5 | 0.2  
 Maintenance factor 0.8  
 Mounting height 2.25 m

**CALCULATION SURFACE**  
 Surface dimensions Floor  
 Surface height 0 m



**GLARE EVALUATION**  
 Table Classification X=4H | Y=8H | S=0.25H  
 UGR transversal ≤ 19  
 UGR axial ≤ 19

## Light distribution



microprismatic  
 direct/indirect power

**LUMINOUS FLUX** value calculated for  
 CRI ≥ 90, colour white, cover microprismatic



**Lobby**  
Visualisation



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# TASK

free standing

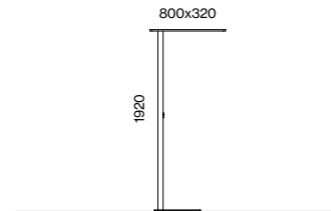
**EN** Free standing luminaire with rectangular luminaire head made of aluminium and rounded edges; ultra low-profile design (only 15 mm); rectangular downpipe; pedestal with recess for table base; surface powder coated; direct/indirect light distribution by LGP body (Light Guiding Prism); side coupled light, directed up and down by laser engraving; optional: indirect component with special PCBs for increased luminous flux; optional: indirect component with special, inclined PCBs for asymmetric radiation characteristic; completely homogeneous illumination; energy-efficient LEDs with very good colour rendering; switch installed in the downpipe; incl. connection cable (3 m) with safety plug

**DE** Stehleuchte mit rechteckigem Leuchtenkopf aus Aluminium und abgerundeten Kanten; extrem flache Bauform (nur 15 mm); Standrohr rechteckig; Standfuß mit Ausnehmung für Tischfuß; Oberfläche pulverbeschichtet; direkt/indirekte Lichtverteilung durch LGP-Body (Light-Guiding-Prism); seitlich eingekoppeltes Licht durch Lasergravur nach oben und unten gelenkt; optional: Indirektlichtanteil mit eigenen Platinen für erhöhten Lichtstrom; optional: Indirektlichtanteil mit eigenen, schräg gerichteten Platinen für asymmetrische Abstrahlcharakteristik; absolut homogene Ausleuchtung; energieeffiziente LEDs mit sehr guter Farbwiedergabe; Schalter im Standrohr verbaut; inkl. Anschlussleitung (3 m) mit Schutzkontaktstecker

### Quickinfo

3000K, 4000K  
 CRI ≥ 90, 3 SDCM  
 UGR ≤ 19 / 65° ≤ 3000 cd/m²  
 up to 129 lm/W  
 L90 @ 50 000 h  
 touch DIM on pole  
 brightness & presence sensor  
 microprismatic (UGR ≤ 19)

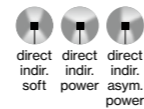
### Type



### Colours



### Light distributions



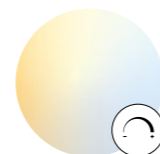
suitable for double workstation



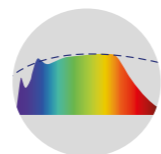
SENSE sensor on request



control by touch DIM on pole



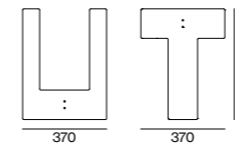
tunable white 2700–6500 K



CRI ≥ 98 XPECTRUM

### Order options

BASE PLATE	
U-shape	4
T-shape	5



COLOUR TEMPERATURE	
3000K	0
4000K	1

CONTROL	
touch DIM on pole	5
ESSENTIAL sensor (brightness & presence)	7

MATERIAL COLOUR	
○ pure white RAL 9010	7
● white aluminium RAL 9006	6
● jet black RAL 9005	8
● special colours p. 992	X

LIGHT OPTIC COVER	
microprismatic (UGR ≤ 19)	

### Options on request

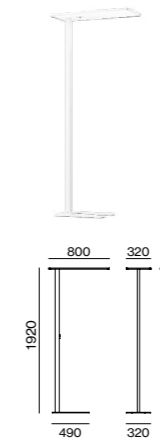
COLOUR TEMPERATURE	
tunable white 2700–6500 K indir.	

COLOUR RENDERING INDEX	
CRI ≥ 80	
CRI ≥ 98 XPECTRUM	

CONTROL	
SENSE sensor (brightness, presence, temperature, sound pressure, humidity, CO <sub>2</sub> )	
cluster network DIM	
dynamic daylight control (BPI)	
Zigbee 3.0	

MOUNTING	
table system	

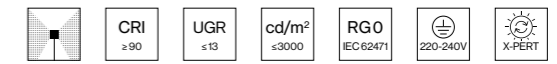
LUMINOUS FLUX value calculated for CRI ≥ 90, colour white, cover microprismatic



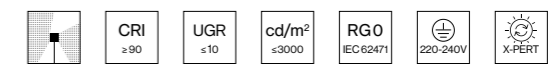
### TASK free standing



DIRECT / INDIRECT SOFT		ORDER CODE	
SYSTEM POWER	COLOUR TEMP.	LUMINOUS FLUX	
71W	3000K	↓4100/↑3350 lm	0 5 9 - 2 9 U 3 :: ▢ Z
	4000K	↓4370/↑3560 lm	

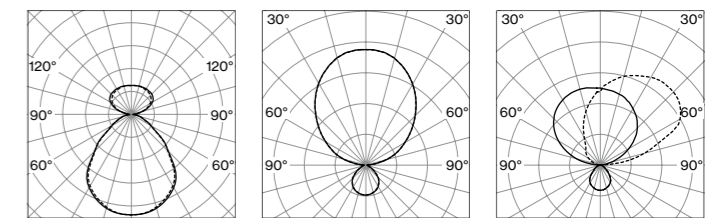


DIRECT / INDIRECT POWER		ORDER CODE	
SYSTEM POWER	COLOUR TEMP.	LUMINOUS FLUX	
80W	3000K	↓2400/↑7330 lm	0 5 9 - 2 9 U 2 :: ▢ Z
	4000K	↓2550/↑7800 lm	



DIRECT / INDIRECT ASYMMETRIC POWER		ORDER CODE	
SYSTEM POWER	COLOUR TEMP.	LUMINOUS FLUX	
97W	3000K	↓1900/↑9300 lm	0 5 9 - 2 9 U 1 :: ▢ Z
	4000K	↓2030/↑9960 lm	

### Light distributions



microprismatic direct/indirect soft    microprismatic direct/indirect power    microprismatic direct/indirect asym. power

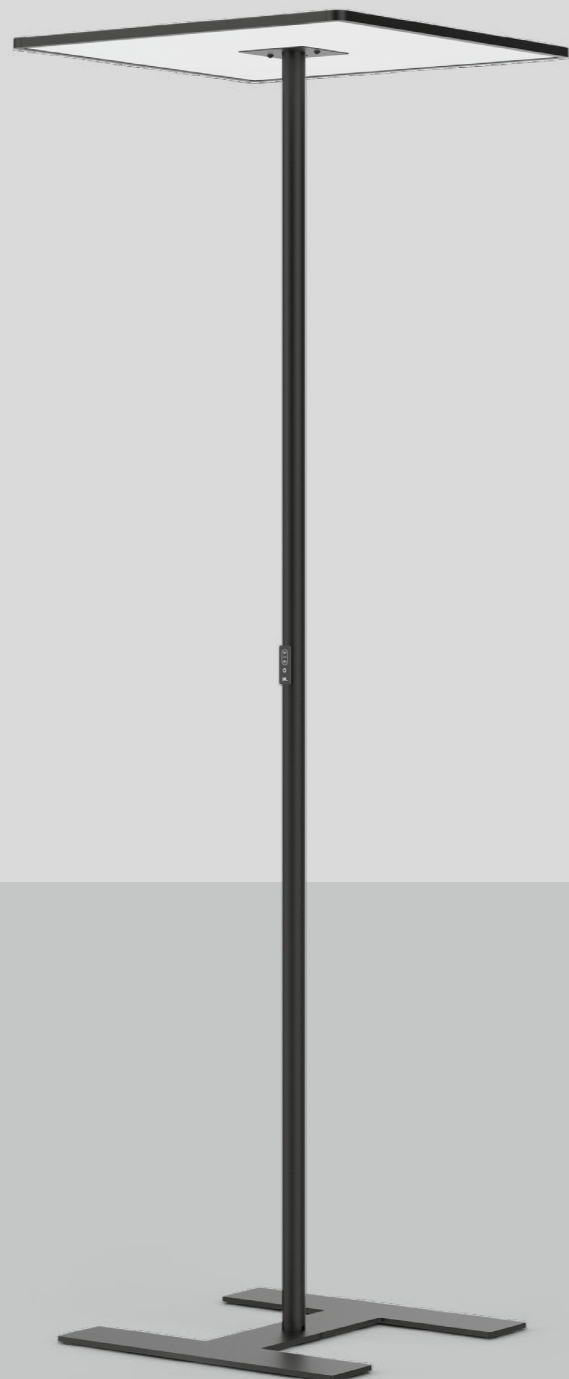
**Business-Quartier Sparkasse**  
Salzburg, AT – by OM/ARGE  
Neutor, Schabelreiter Architektur



OMV Vienna, AT



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# TASK square

free standing

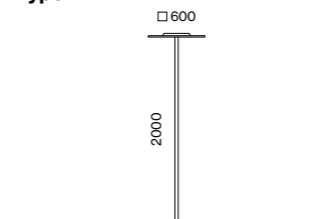
**EN** Free standing luminaire with square luminaire head made of aluminium and rounded edges; ultra low-profile design (only 15 mm); steel round downpipe; pedestal with recess for table base; surface powder coated; direct light distribution by LGP body (Light Guiding Prism); side coupled light directed downwards by laser engraving; indirect component with special PCBs for increased luminous flux and maximum ceiling illumination; completely homogeneous illumination; energy-efficient LEDs with very good colour rendering; switch installed in the downpipe; incl. connection cable (3m) with safety plug

**DE** Stehleuchte mit quadratischem Leuchtenkopf aus Aluminium und abgerundeten Kanten; extrem flache Bauform (nur 15 mm); Stahlrohr rund; Standfuß mit Ausnehmung für Tischfuß; Oberfläche pulverbeschichtet; direkte Lichtverteilung durch LGP-Body (Light-Guiding-Prism); seitlich eingekoppeltes Licht durch Lasergravur nach unten gelenkt; Indirektlichtanteil mit eigenen Platinen für erhöhten Lichtstrom und maximale Deckenaufhellung; absolut homogene Ausleuchtung; energieeffiziente LEDs mit sehr guter Farbwiedergabe; Schalter im Standrohr verbaut; inkl. Anschlussleitung (3m) mit Schutzkontaktstecker

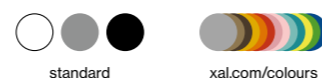
## Quickinfo

3000K, 4000K  
 CRI ≥ 90, 3 SDCM  
 UGR ≤ 19 / 65° ≤ 3000 cd/m²  
 up to 143 lm/W  
 L90 @ 50 000 h  
 touch DIM on pole  
 brightness & presence sensor  
 microprismatic (UGR ≤ 19)

## Type



## Colours



## Light distribution



## Order options

COLOUR TEMPERATURE	
3000K	0
4000K	1

CONTROL	
touch DIM on pole	5
ESSENTIAL sensor (brightness & presence)	7

MATERIAL COLOUR	
○ pure white RAL 9010	7
● white aluminium RAL 9006	6
● jet black RAL 9005	8
● special colours p.992	X

LIGHT OPTIC COVER
microprismatic (UGR ≤ 19)

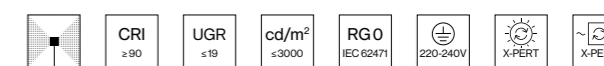
## Options on request

COLOUR RENDERING INDEX
CRI ≥ 80
CRI ≥ 98 XPECTRUM

CONTROL
dynamic daylight control

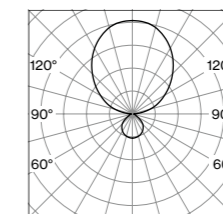


## TASK square free standing



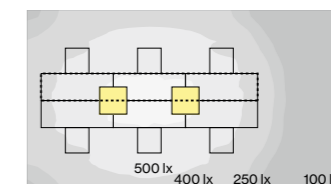
DIRECT / INDIRECT POWER	SYSTEM POWER	COLOUR TEMP.	LUMINOUS FLUX	ORDER CODE
	92W	3000K	↓ 2280 / ↑ 10000 lm	0 5 9 - 2 9 3 2 :: ▢ ▣ ▤ ▥ ▦ ▧ ▨ ▩
		4000K	↓ 2420 / ↑ 10700 lm	

## Light distribution



microprismatic  
 direct / indirect power

## Technical data



**TASK square free standing**  
 92 W, 4000K, direct / indirect power

ROOM VALUES	
Room dimensions	7.2 × 4 × 2.8 m
Reflection factor	0.7   0.5   0.2
Maintenance factor	0.8

CALCULATION SURFACE	
Surface dimensions	4.8 × 0.6 m
Surface height	0.75 m
Average illuminance (E <sub>m</sub> )	> 500 lx



GLARE EVALUATION	
Table Classification X=4H   Y=8H   S=0.25H	
UGR transversal	≤ 19
UGR axial	≤ 19
65° ≤ 3000 cd/m²	



**LUMINOUS FLUX** value calculated for CRI ≥ 90, colour white, cover microprismatic





**Fricke Verwaltung** Heeslingen, DE –  
lighting design by LUV Interior Hamburg

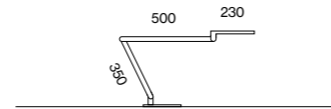


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### Quickinfo

3000K, 4000K  
 CRI ≥ 90, 3 SDCM  
 up to 92lm/W  
 L90 @ 50 000h  
 DIM via optical sensor (10–100%)  
 presence sensor  
 opal

### Type



### Colours



### Light distribution



direct

### Order options

COLOUR TEMPERATURE	
3000K	0
4000K	1

MATERIAL COLOUR	
○ pure white RAL 9010	7
● jet black RAL 9005	8

### LIGHT OPTIC COVER

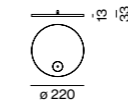
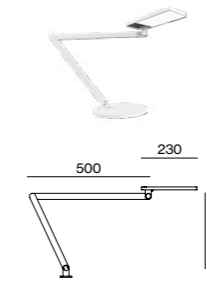
opal

### Options on request

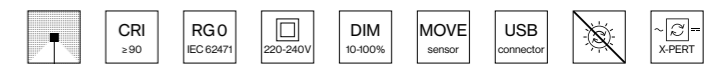
COLOUR RENDERING INDEX  
 CRI ≥ 80

### MOUNTING

table clamp, wall fastening



### TASK table



#### DIRECT

SYSTEM POWER	COLOUR TEMP.	LUMINOUS FLUX	ORDER CODE
11W	3000K	950lm	0 5 9 - 2 8 1 1 1 7 <input checked="" type="checkbox"/> <input type="checkbox"/>
	4000K	1010lm	

### Accessories

#### BASE PLATE

TYPE	Ø-H (mm)	ORDER CODE
base plate	Ø220-13	0 5 9 - 2 8 9 1 1 1 <input checked="" type="checkbox"/>

TABLE CLAMP for hole ø68mm, 10–30mm range

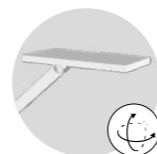
TYPE	Ø-H (mm)	ORDER CODE
table clamp	Ø75-77-88	0 5 9 - 2 8 9 2 1 1 <input checked="" type="checkbox"/>

## TASK

table

<sup>EN</sup> Desk lamp in puristic design with high functionality; lamp head 360° rotatable and +/- 15° tiltable; surface powder coated; direct light distribution by LGP body (Light Guiding Prism); side coupled light directed downwards by laser engraving; completely homogeneous illumination; energy-efficient LEDs with very good colour rendering; continuously adjustable dimming via optical sensor (10-100% analog); integrated USB charging socket for charging of a smart device; version with presence detector

<sup>DE</sup> Schreibtischleuchte in puristischem Design und hoher Funktionalität; Leuchtenkopf 360° dreh- und +/- 15° schwenkbar; Oberfläche pulverbeschichtet; direkte Lichtverteilung durch LGP-Body (Light-Guiding-Prism); seitlich eingekoppeltes Licht durch Lasergravur nach unten gelenkt; absolut homogene Ausleuchtung; energieeffiziente LEDs mit sehr guter Farbwiedergabe; stufenloses Dimmen via optischem Sensor (10-100% analog); integrierte USB-Ladebuchse zum Aufladen eines Smart Devices; Ausführung mit Präsenzmelder



360° rotatable,  
±15° tiltable



presence  
sensor



USB charging  
socket

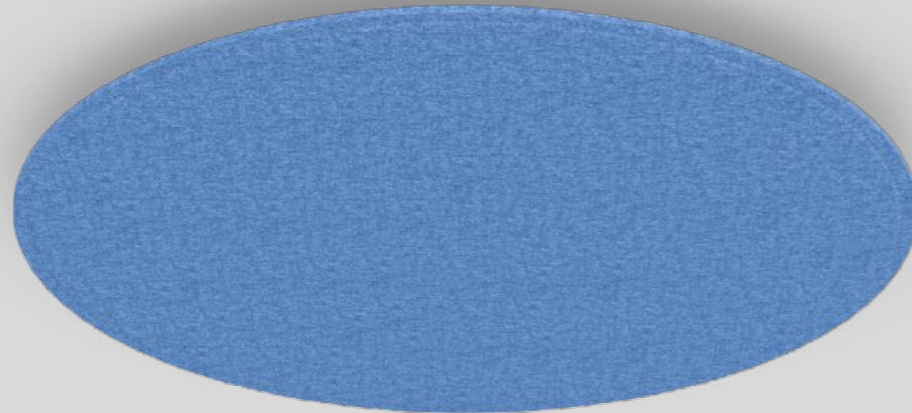
LUMINOUS FLUX value calculated for  
 CRI ≥ 90, colour white, cover opal





**WKO** Vienna, AT –  
by Architekturconsult  
with lighting design by Hailight  
Lichtplanung, Andreas Haidegger





# TASK

acoustic elements

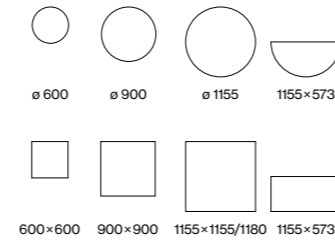
**EN** Acoustic element made of high-quality, self-supporting, recycled PET felt with sound absorbing properties; different versions: choice of round, square, half round or rectangular design; high-quality visual and tactile surface; direct sound is absorbed by the front-mounted fleece, sound reflected from the ceiling/wall by an additional, rear-mounted fleece; this creates high acoustic performance; choice of surface mounted and pendant versions with cable suspension; tool-less suspension height adjustment of the acoustic element

**DE** Akustikelement aus hochwertigem, selbsttragendem, recyceltem PET-Filz mit schallabsorbierenden Eigenschaften; unterschiedliche Varianten: Bauform wahlweise rund, quadratisch, halbrund oder rechteckig; optisch und haptisch hochwertige Oberfläche; Absorption des Direktschalls durch das vorderseitige Vlies, sowie Absorption des von der Decke/Wand reflektierten Schalls durch ein zusätzliches, rückseitiges Vlies; dadurch hohe akustische Performance; wahlweise angebaute oder abgehängte Variante mit Seilabhängung; werkzeuglose Höhenverstellung am Akustikelement

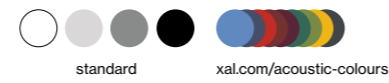
## Quickinfo

PET felt  
 ♻️ from recycled material  
 up to absorption class A  
 🔥 available as B-s1, d0

### Types



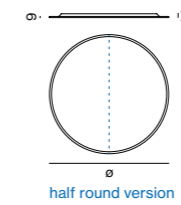
### Colours



## Order options

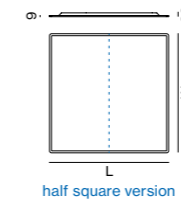
MOUNTING	
surface	1
ceiling suspension 1500 mm	2

MATERIAL COLOUR	
white	W
marble grey	D
felt grey	G
black	L
special colours  p.992	X



## TASK ACOUSTIC round

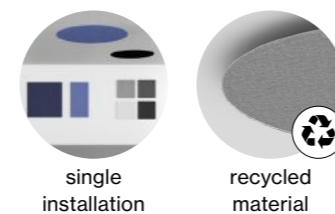
ACOUSTIC ELEMENT	Ø-H (mm)	ORDER CODE
<b>TYPE</b>		
600 round	600-30	059-579 34
900 round	900-30	059-579 35
1200 round	1155-30	059-579 36
1200 half round	1155-573-30	059-579 46



## TASK ACOUSTIC square

ACOUSTIC ELEMENT	L-W-H (mm)	ORDER CODE
<b>TYPE</b>		
600 square	600-600-30	059-579 14
900 square	900-900-30	059-579 15
1200 square	1155-1155-30	059-579 16
1200 square wide*	1155-1180-30	059-579 66
1200 half square	1155-573-30	059-579 26

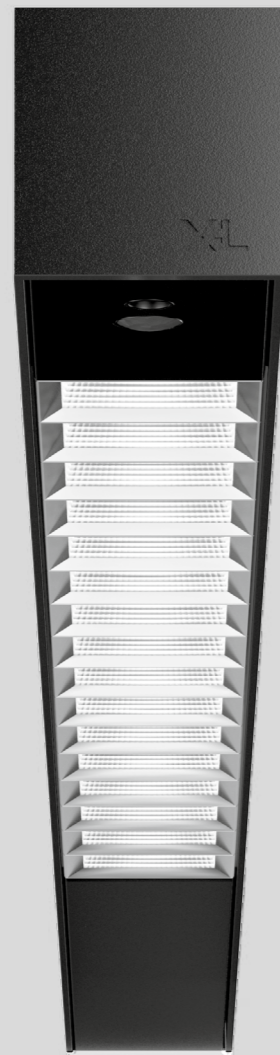
\*for combination with TASK linear system & TASK S suspended





Meeting room  
Visualisation

# Slim and smart office light

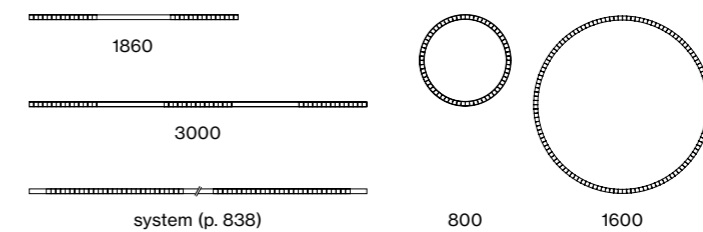


## BETO

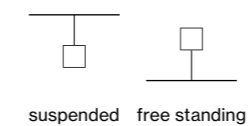
**EN** Extremely slim and powerful – BETO combines technical excellence with subtle, minimalist design. The BETO product family is available as free-standing luminaires, or a suspended version. All versions have custom reflectors for the best screen-appropriate working light; as a free-standing luminaire, ideally suited for single or double workstations, and in a matching suspended version for double or quadruple workstations. Circle and square luminaires complete the series. Free-standing and suspended versions have an indirect light component for ceiling illumination. The colour rendering value of up to  $\text{CRI} \geq 98$  crafts a pleasant atmosphere. BETO comes in 3000 K or 4000 K light colours, or as a Tunable White option. The luminaire can be fitted with a presence and brightness sensor or a SENSE sensor which measures temperature, air quality, humidity, and noise levels. This allows the lighting to be adapted to the activities in the office while reducing energy costs.

**DE** Extrem schlank und leistungsstark – BETO vereint technische Exzellenz mit subtilem, minimalistischem Design. Die BETO Produktfamilie ist als Stehleuchte sowie in abgependelter Version verfügbar. In allen Ausführungen verfügt die Leuchte über spezielle Reflektoren für bestes, bildschirmtaugliches Arbeitslicht: Als Stehleuchte ideal geeignet für den Einzel- oder Doppelarbeitsplatz und in dazu passender abgehängter Variante für Doppel- oder Vierfach-Arbeitsplätze. Steh- und abgehängte Versionen verfügen über einen Indirektlichtanteil zur Deckenaufhellung. Der Farbwiedergabewert von bis zu  $\text{CRI} \geq 98$  schafft zusätzliche eine angenehme Raumatmosphäre. BETO ist in den Lichtfarben 3000 K, 4000 K oder als Tunable White Option erhältlich. Optional kann die Leuchte mit einem Anwesenheits- und Helligkeitssensor ausgestattet werden sowie einem SENSE Sensor, der zusätzlich Temperatur, Luftqualität, Luftfeuchtigkeit und Geräuschpegel misst. Damit lässt sich die Beleuchtung den Abläufen im Büro anpassen, gleichzeitig werden Energiekosten gesenkt.

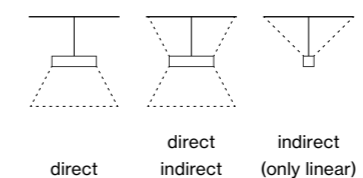
### Types



### Mountings



### Light distributions



## Variety

EN The BETO office luminaire series' elegant appearance combines successful room design with the best workplace lighting. As a free-standing luminaire, as a suspended luminaire, or as a system version – BETO offers a multifunctional lighting solution for a homogeneous appearance.

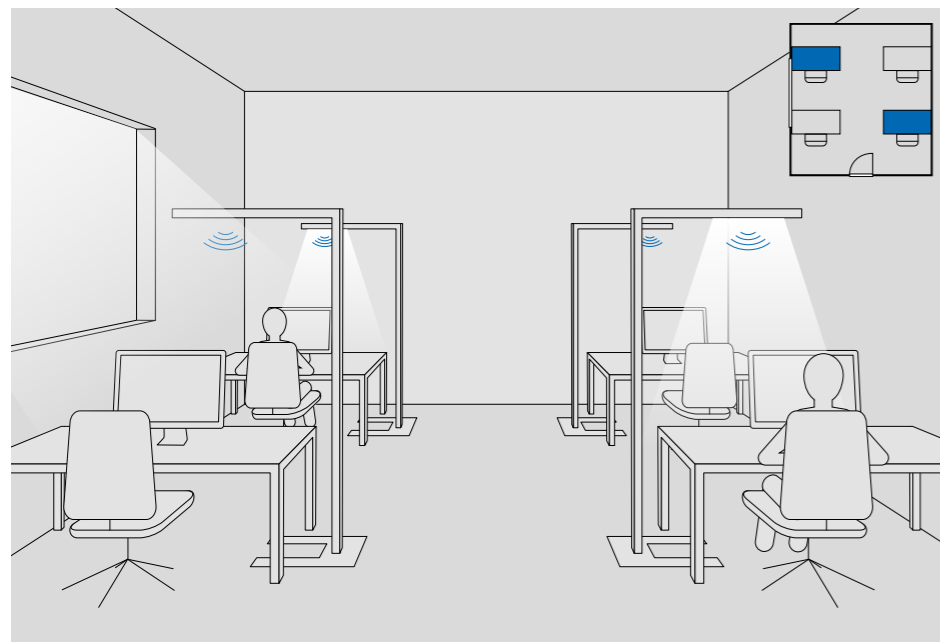
DE Das elegante Erscheinungsbild der BETO Office Leuchtenserie verbindet ein gelungenes Raumdesign mit bestem Arbeitsplatzlicht. Als Stehleuchte, als abgehängte Leuchte oder als Systemvariante – BETO bietet eine multifunktionale Lichtlösung für ein homogenes Erscheinungsbild.



## Work-friendly light

EN As an office luminaire, BETO guarantees illumination that is compliant with workplace standards (up to  $UGR \leq 13$ ). Custom glare-free reflectors and the selected use of blind covers direct the light precisely to the work surface and reduce reflections. The direct/indirect version comes with special lens technology that distributes the indirect light component homogeneously and broadly into the room.

DE Als Office-Leuchte garantiert BETO eine normgerechte Ausleuchtung von Arbeitsplätzen (bis zu  $UGR \leq 13$ ). Speziell entblendete Reflektoren und der gezielte Einsatz von Blind-Covers richten das Licht zielgenau auf die Arbeitsfläche und reduzieren Spiegelungen. Bei der direkt/indirekt Variante, verteilt eine spezielle Linsentechnik, den sehr breit ausstrahlenden Indirektlichtanteil homogen an der Decke für eine angenehme Raumatmosphäre.



## Advanced sensor technology

EN A presence sensor controls the light at the workplace depending on the presence of an individual. In addition, a brightness sensor adjusts the light intensity to the ambient brightness. The SENSE version also measures values such as temperature, air quality, humidity, and noise level. These data provide important insights into the conditions and use of rooms and support energy savings in the long term. The sensor data is transmitted via DALI. The SENSE sensor is IoT ready and enables data transmission via WLAN.

DE Ein Anwesenheitssensor regelt abhängig von der Präsenz einer Person das Licht am Arbeitsplatz. Zusätzlich passt ein Helligkeitssensor die Lichtstärke an die Umgebungshelligkeit an. Zudem misst die SENSE-Variante Werte wie Temperatur, Luftqualität, Luftfeuchtigkeit und Geräuschpegel. Diese Daten liefern nicht nur wichtige Erkenntnisse über die Bedingungen und Nutzung von Räumen, sondern unterstützen langfristig Energieeinsparungen. Die Daten der Sensoren werden über DALI übertragen. Der SENSE Sensor ist IoT ready und ermöglicht die Datenübertragung mittels WLAN.

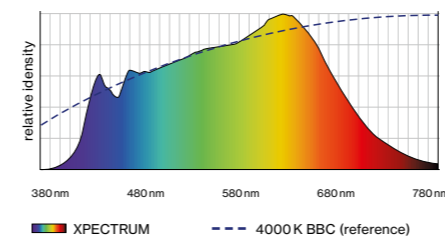


**ESSENTIAL sensor**  
 ☀ brightness  
 👤 presence

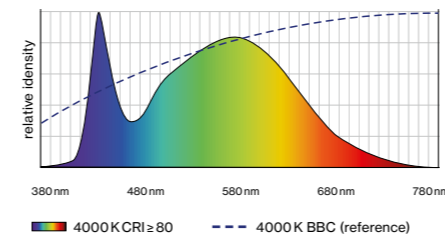


**SENSE sensor**  
 IoT ready  
 ☀ brightness  
 👤 presence  
 🌡 temperature  
 💧 humidity  
 🗣 sound pressure  
 🌫 CO<sub>2</sub>

## XPECTRUM LED



## Commercially available LED 4000K

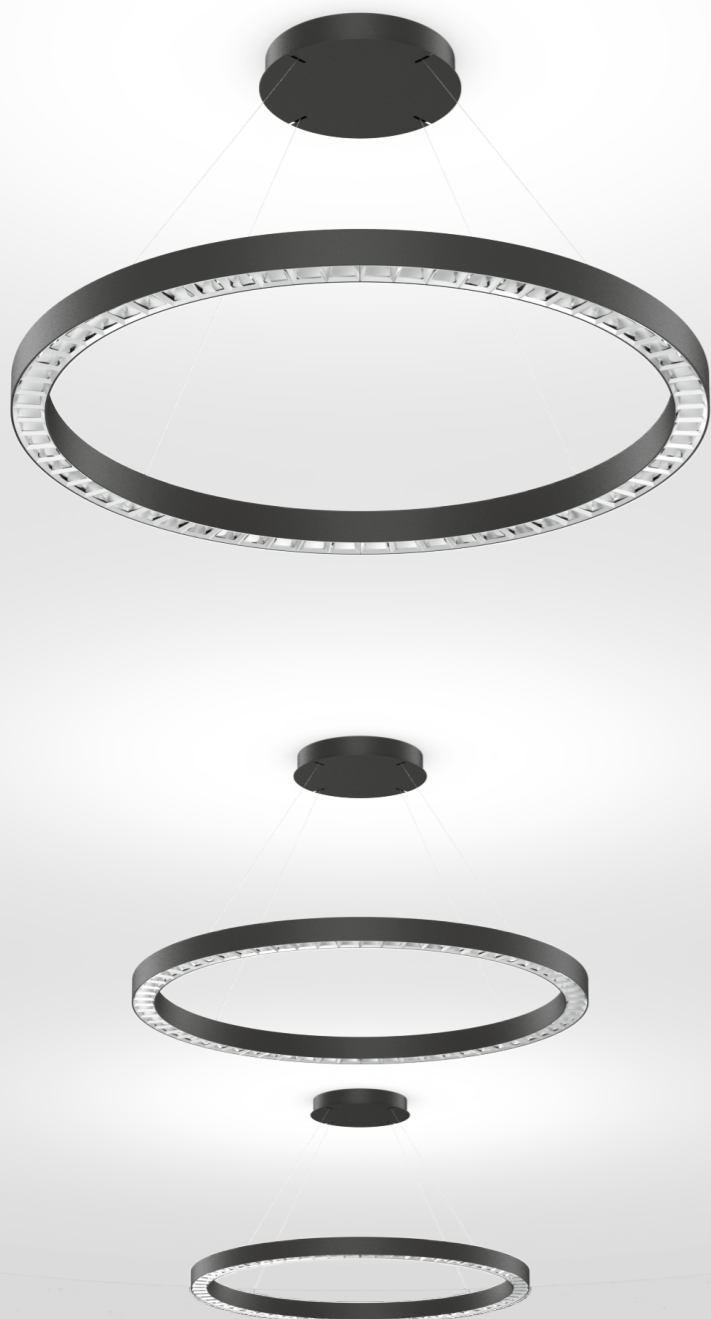


## Full-spectrum LED

EN XAL's new XPECTRUM LEDs deliver healthy, biologically effective light. The reduced blue light and increased cyan values reduce the blue light hazard for the eye to daylight-equivalent levels. The resulting non-visual, so-called melanopic light effect, improves concentration and increases sleep quality. The excellent colour rendering of IES TM 30-15  $R_t = 98$  and  $R_g = 101$  further helps visual comfort.

DE Die neue XPECTRUM LED von XAL sorgt für gesundes, biologisch wirksames Licht. Der reduzierte Blaulichtanteil sowie die erhöhten Cyan-Werte minimieren die Blaulichtgefahr für das Auge auf ein tageslichtähnliches Niveau. Die daraus resultierende nichtvisuelle, auch melanopische Lichtwirkung genannt, fördert die Konzentration und steigert die Schlafqualität. Die hervorragende Farbwiedergabe von IES TM 30-15  $R_t = 98$  und  $R_g = 101$  ermöglicht zudem einen verbesserten Sehkomfort.

← back



# BETO circle

suspended

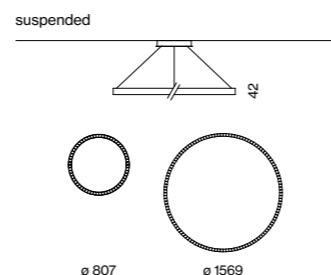
EN Ring shaped luminaire housing from rolled aluminium extruded profile, seamlessly welded; extremely slim design (only 42 x 42 mm); surface powder coated; pendant fitting with cable suspension; height adjustment without tools; with transparent feeder cable; electronic operating unit installed in the canopy; extruded profile for improved thermal management; high-gloss reflector with faceted design; direct or direct/indirect light distribution; indirect light component with integrated PC boards and high-quality lens system for maximum, homogeneous ceiling illumination; energy-efficient LEDs with very good colour rendering

DE Ringförmiger Leuchtenkörper aus gerolltem Aluminiumstrangpressprofil nahtlos verschweißt; extrem schlanke Bauform (nur 42 x 42 mm); Oberfläche pulverbeschichtet; abgependelt mit Seilabhängung; werkzeuglose Höhenverstellung; inkl. transp. Ein-speiseleitung; elektronisches Betriebsgerät im Baldachin verbaut; Strangpressprofil für verbessertes Thermomanagement; hochglänzender Reflektor mit Facettenoptik; direkte bzw. direkt / indirekte Abstrahlcharakteristik; Indirektlichtanteil mit eigenen Platinen und hochwertiger Linsenoptik für maximale, homogene Deckenaufhellung; energieeffiziente LEDs mit sehr guter Farbwiedergabe

## Quickinfo

3000K, 4000K, TW  
 CRI ≥ 80, 3 SDCM  
 UGR ≤ 19 / 65° ≤ 1500 cd/m²  
 up to 145 lm/W  
 L90 @ 50 000h  
 DALI-2  
 reflector (UGR ≤ 19)

## Types



## Colours



## Light distributions



## Order options

COLOUR TEMPERATURE	
3000K	5
4000K	6
tunable white 2700–6500 K*	D
*DALI-2 DT8	

## CONTROL

DALI-2

## MATERIAL COLOUR

○ pure white RAL 9010	7
● jet black RAL 9005	8

## LIGHT OPTIC COVER

reflector (UGR ≤ 19)

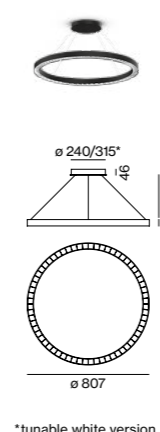
## Options on request

## COLOUR RENDERING INDEX

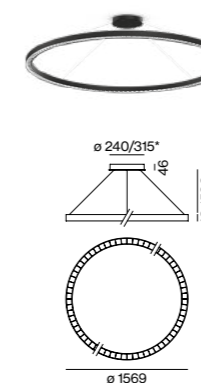
CRI ≥ 90  
 CRI ≥ 98 XPECTRUM

## CONTROL

Casambi



\*tunable white version



\*tunable white and direct/indirect power version

## BETO circle 800 suspended



### DIRECT

SYSTEM POWER	COLOUR TEMP.	LUMINOUS FLUX	ORDER CODE
52W	3000K	6720 lm	074-7403::3 R
	4000K	7080 lm	



### DIRECT / INDIRECT POWER

SYSTEM POWER	COLOUR TEMP.	LUMINOUS FLUX	ORDER CODE
97W	3000K	↓ 6690 / ± 6400 lm	074-7443::3 R
	4000K	↓ 7080 / ± 6780 lm	

## BETO circle 1600 suspended



### DIRECT

SYSTEM POWER	COLOUR TEMP.	LUMINOUS FLUX	ORDER CODE
98W	3000K	13400 lm	074-7404::3 R
	4000K	14200 lm	

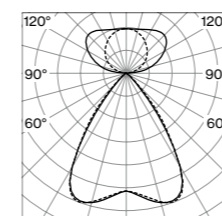


### DIRECT / INDIRECT POWER

SYSTEM POWER	COLOUR TEMP.	LUMINOUS FLUX	ORDER CODE
190W	3000K	↓ 13400 / ± 12800 lm	074-7444::3 R
	4000K	↓ 14200 / ± 13600 lm	

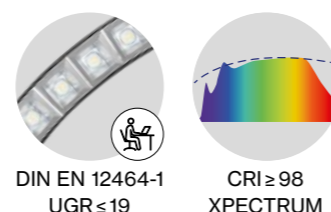
tunable white on request

## Light distribution



reflector (UGR ≤ 19)  
 direct/indirect power

LUMINOUS FLUX value calculated for CRI ≥ 80, colour white, reflector chrome



**ALLPLAN Österreich GmbH**  
Graz, AT

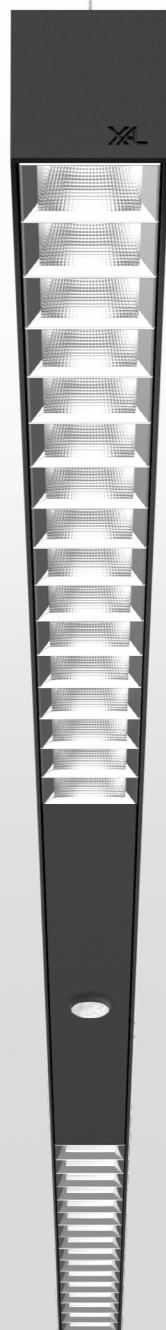


**Office OSTA**  
Harelbeke, BE





← back



# BETO

suspended

**EN** Luminaire housing from extruded aluminium profile, angular design; extremely slim design (only 42 x 42 mm); no visible screws; surface powder coated; pendant fitting with cable suspension; with integrated tool-less suspension height adjustment; spring clip attachment to the luminaire; freely positionable; with transparent feeder cable; extruded profile for improved thermal management; high-gloss reflector with faceted design; direct/indirect light distribution; indirect light component with integrated PC boards and high-quality lens system for maximum, homogeneous ceiling illumination, optionally separately controllable; energy-efficient LEDs with very good colour rendering

**DE** Leuchtenkörper aus Aluminiumstrangpressprofil, kantige Ausführung; extrem schlanke Bauform (nur 42 x 42 mm); keine sichtbaren Schrauben; Oberfläche pulverbeschichtet; abgedandelt mit Seilabhängung; werkzeuglose Höhenverstellung an der Leuchte; Befestigung an der Leuchte mittels Federclips; frei positionierbar; inkl. transp. Einspeiseleitung; Strangpressprofil für verbessertes Thermomanagement; hochglänzender Reflektor mit Facettenoptik; direkt/indirekte Abstrahlcharakteristik; Indirektlichtanteil mit eigenen Platinen und hochwertiger Linsenoptik für maximale, homogene Deckenaufhellung, wahlweise separat steuerbar; energieeffiziente LEDs mit sehr guter Farbwiedergabe

### Quickinfo

3000K, 4000K, TW  
 CRI ≥ 80, 3 SDCM  
 UGR ≤ 16 / 65° ≤ 1500 cd/m²  
 up to 142lm/W  
 L90 @ 50 000h  
 DALI-2, DALI sensor  
 reflector (UGR ≤ 16)

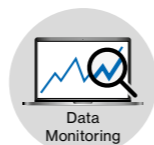
### Types



### Colours



### Light distributions

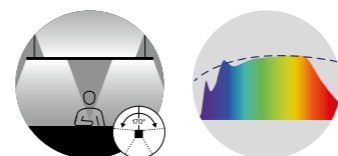


DiiA® standards  
 251, 252, 253



DIN EN 12464-1  
 UGR ≤ 19

system  
 solution (p. 838)



glare-free direct  
 and 170° indirect  
 illumination

CRI ≥ 98  
 XPECTRUM

### Order options

COLOUR TEMPERATURE	
3000K	5
4000K	6
tunable white 2700–6500K*	
*DALI-2 DT8	
3000K + TW 2700–6500K*	
4000K + TW 2700–6500K*	
*DALI-2 DT8 (separately controllable)	

CONTROL	
DALI-2	3
DALI-2 D/I separately control.*	4
DALI sensor	7
*not for tunable white 1857 mm; not for indirect power	

MATERIAL COLOUR	
○ pure white RAL 9010	7
● jet black RAL 9005	8

LIGHT OPTIC COVER	
reflector (UGR ≤ 16)	

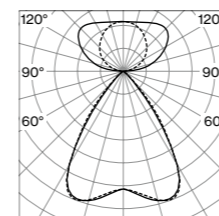
### Options on request

COLOUR RENDERING INDEX	
CRI ≥ 90	
CRI ≥ 98 XPECTRUM	

CONTROL	
Casambi	

TUNABLE WHITE	
direct light static 3000K or 4000K and indirect light tunable 2700–6500K	

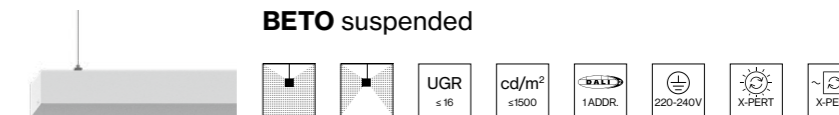
### Light distribution



reflector (UGR ≤ 16)  
 direct/indirect power

**LUMINOUS FLUX** value calculated for CRI ≥ 80, colour white, reflector chrome

### BETO suspended



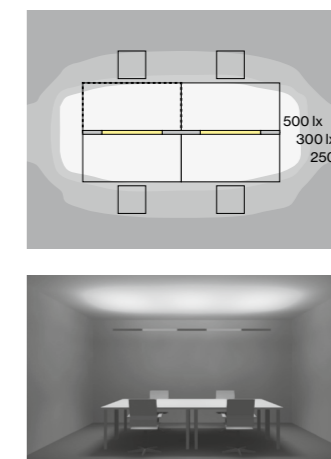
#### INDIRECT POWER

SYS. POWER	COLOUR TEMP.	LUM. FLUX	L (mm)	ORDER CODE
63 W	3000K	± 7680lm	3457	074-62N9
60 W	4000K	± 8120lm		
	2700–6500K	± 7020lm	3457	074-62N9D

#### DIRECT/INDIRECT POWER

SYS. POWER	COLOUR TEMP.	LUM. FLUX	L (mm)	ORDER CODE
55 W	3000K	↓ 3350/± 3580lm	1857	074-6246
	4000K	↓ 3540/± 3790lm		
54 W	3000K	↓ 3350lm	1857	074-62D654
(2×DALI)	2700–6500K	± 3120lm		
54 W	4000K	↓ 3540lm	1857	074-62D664
(2×DALI)	2700–6500K	± 3120lm		
56 W (2×)	2700–6500K	± 7030lm	1857	074-6246D
91 W	3000K	↓ 5020/± 7160lm	3057	074-6249
	4000K	↓ 5310/± 7580lm		
90 W	3000K	↓ 5020lm	3057	074-62D954
(2×DALI)	2700–6500K	± 6240lm		
90 W	4000K	↓ 5310lm	3057	074-62D964
(2×DALI)	2700–6500K	± 6240lm		
93 W (2×)	2700–6500K	± 12250lm	3057	074-6249D

### Technical data



**BETO** suspended, 91W, 4000K  
 direct/indirect power

ROOM VALUES	
Room dimensions	5.4 × 4 × 2.8m
Reflection factor	0.7   0.5   0.2
Maintenance factor	0.8
Mounting height	2.25m

CALCULATION SURFACE	
Surface dimensions	1.6 × 0.8
Surface height	0.75
Average illuminance (E <sub>m</sub> )	> 500lx
Uniformity (U <sub>0</sub> )	> 0.6

GLARE EVALUATION	
Table Classification X=4H   Y=8H   S=0.25H	
UGR transversal	≤ 19
UGR axial	≤ 19
65° < 1500 cd/m²	

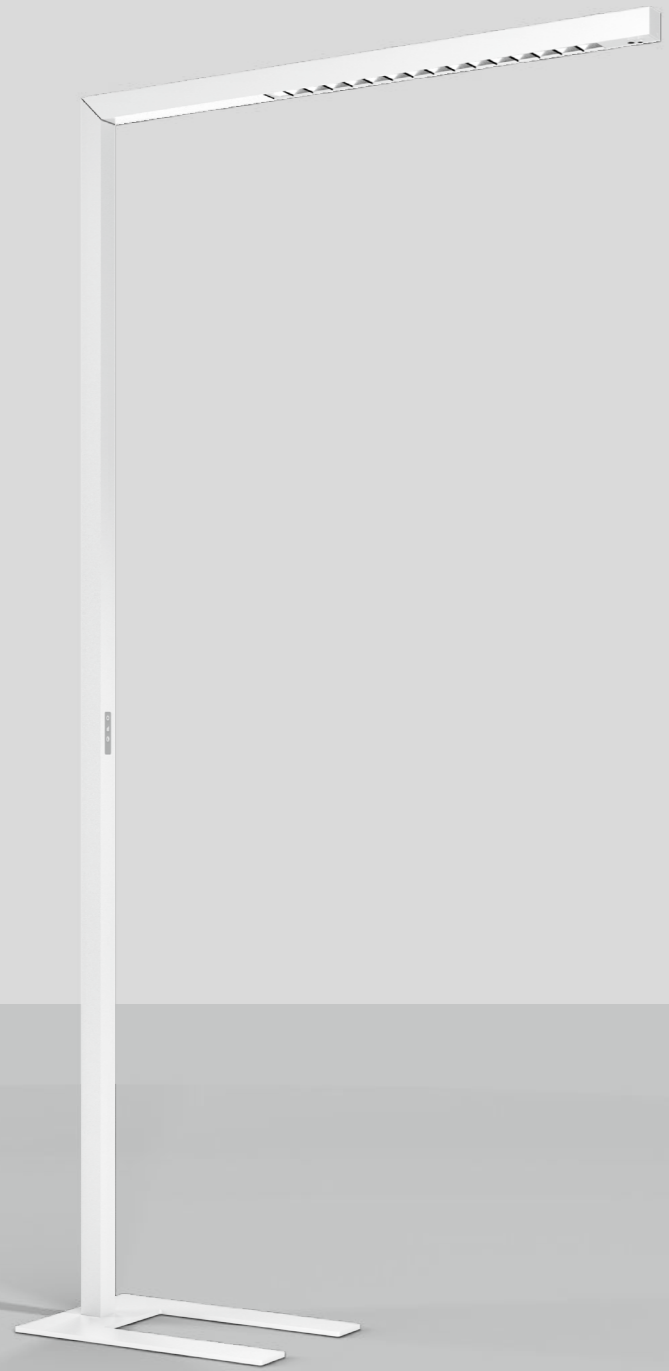
**Creative Lab Barcelona, ES** –  
lighting design by MMAS Lighting



**Granitlab Coworking** St. Martin im Mühlkreis, AT –  
by GHT-Plan GmbH with lighting design  
by GHT-Plan GmbH, AREA C.I. Design GmbH



← back



# BETO

free standing

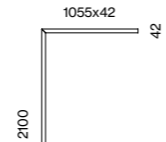
**EN** Free standing luminaire from extruded aluminium profile in angular design; extremely slim design (only 42 x 42 mm); rectangular downpipe; pedestal with recess for table base; surface powder coated; direct/indirect light distribution; direct light component with high-gloss reflector + faceted design and asymmetric radiation characteristic; indirect light component with integrated PC boards and high-quality lens system for maximum, homogeneous ceiling illumination; energy-efficient LEDs with very good colour rendering; switch installed in the downpipe; presence sensor detection range ø4.5 m on the floor (variant brightness & presence sensor); incl. connection cable (3m) with safety plug

**DE** Stehleuchte aus Aluminiumstrangpressprofil in kantiger Ausführung; extrem schlanke Bauform (nur 42 x 42 mm); Standrohr quadratisch; Standfuß mit Ausnehmung für Tischfuß; Oberfläche pulverbeschichtet; direkt/indirekte Abstrahlcharakteristik; Direktlichtanteil mit hochglänzendem Reflektor + Facettenoptik und asymmetrischer Abstrahlcharakteristik; Indirektlichtanteil mit eigenen Platinen und hochwertiger Linsenoptik für maximale, homogene Deckenaufhellung; energieeffiziente LEDs mit sehr guter Farbwiedergabe; Schalter im Standrohr verbaut; Anwesenheitssensor-Erfassungsbereich ø4,5 m am Fußboden (Variante brightness & presence sensor); inkl. Anschlussleitung (3m) mit Schutzkontaktstecker

### Quickinfo

3000K, 4000K  
 CRI ≥ 80, 3 SDCM  
 up to 127lm/W  
 L90 @ 50 000h  
 touch DIM  
 brightness & presence sensor  
 reflector (UGR ≤ 13)

### Type



### Colours

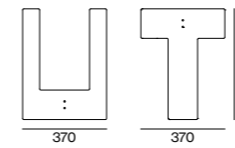


### Light distributions



### Order options

BASE PLATE	
U-shape	4
T-shape	5



COLOUR TEMPERATURE	
3000K	5
4000K	6

CONTROL	
touch DIM on pole	1
ESSENTIAL sensor (brightness & presence)	7

MATERIAL COLOUR	
○ pure white RAL 9010	7
● jet black RAL 9005	8
● special colours p.992	X

LIGHT OPTIC COVER	
reflector (UGR ≤ 13)	

### Options on request

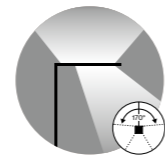
COLOUR RENDERING INDEX	
CRI ≥ 90	
CRI ≥ 98 XPECTRUM	

COLOUR TEMPERATURE	
tunable white 2700–6500K	
DALI-2 DT8	

CONTROL	
SENSE sensor (brightness, presence, temperature, sound pressure, humidity, CO <sub>2</sub> )	
cluster network DIM	
dynamic daylight control (BPI)	
Zigbee 3.0	



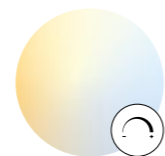
lighting control by touch DIM on pole



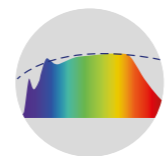
asymmetric illumination



SENSE sensor on request

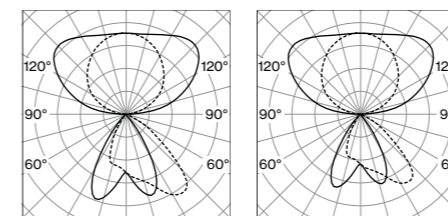


tunable white 2700–6500K



CRI ≥ 98 XPECTRUM

### Light distributions



reflector (UGR ≤ 13) direct/indirect

**LUMINOUS FLUX** value calculated for CRI ≥ 80, colour white, reflector chrome

### BETO free standing



#### DIRECT/INDIRECT SOFT

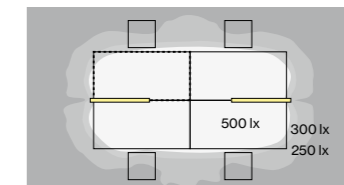
SYSTEM POWER	COLOUR TEMP.	LUMINOUS FLUX	ORDER CODE
59 W	3000 K	↓ 1850/± 5240 lm	0 7 4 - 6 9 4 U :: ⇄ R
	4000 K	↓ 1950/± 5550 lm	



#### DIRECT/INDIRECT POWER

SYSTEM POWER	COLOUR TEMP.	LUMINOUS FLUX	ORDER CODE
76 W	3000 K	↓ 2090/± 6920 lm	0 7 4 - 6 9 5 U :: ⇄ R
	4000 K	↓ 2210/± 7330 lm	

### Technical data



**BETO free standing, 76W, 4000K**  
 direct/indirect power

ROOM VALUES	
Room dimensions	5.4 × 4 × 2.8m
Reflection factor	0.7   0.5   0.2
Maintenance factor	0.8

CALCULATION SURFACE	
Surface dimensions	1.6 × 0.8
Surface height	0.75
Average illuminance (E <sub>m</sub> )	> 500 lx
Uniformity (U <sub>0</sub> )	> 0.6



GLARE EVALUATION	
Table Classification X=4H   Y=8H   S=0.25H	
UGR transversal	≤ 19
UGR axial	≤ 19



**Tribünen der Trabrennbahn**  
Vienna, AT



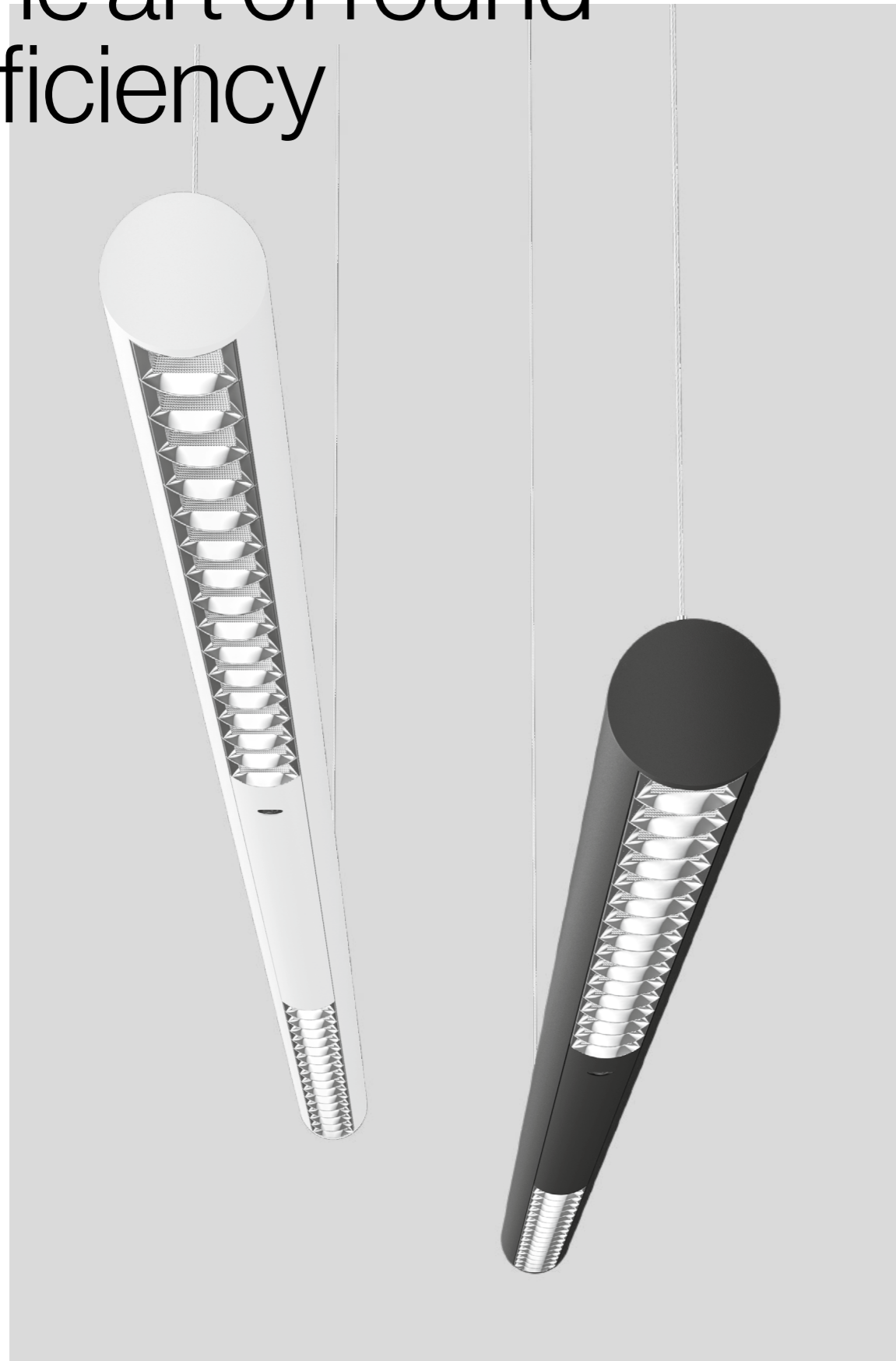


Tribünen der Trabrennbahn  
Vienna, AT

**ALLPAN Österreich GmbH**  
Graz, AT



# The art of round efficiency

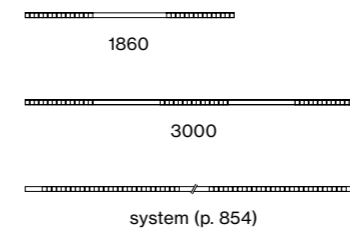


## SETA

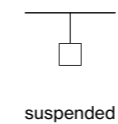
**EN** The SETA luminaire was developed specifically for office environments. Its sleek design and powerful illumination are impressive. Special reflectors provide the ideal screen work light. The integrated indirect light component creates homogeneous ceiling illumination; the colour rendering value of up to  $\text{CRI} \geq 98$  ensures a pleasant room and work atmosphere. SETA can be used as a pendant luminaire for double and quadruple workstations, and can optionally be equipped with a presence and brightness sensor. SETA is the optimum for minimalist design, excellent technology, and low energy costs. The luminaire comes in light colours 3000K, 4000K, or Tunable White.

**DE** Die SETA Leuchte wurde speziell für die Office-Umgebung entwickelt und besticht mit schlichem Design und leistungsstarker Beleuchtung. Spezielle Reflektoren sorgen für das ideale Bildschirm-Arbeitslicht. Der integrierte Indirektlichtanteil bewirkt eine homogene Deckenaufhellung, der Farbwiedergabewert von bis zu  $\text{CRI} \geq 98$  schafft eine angenehme Raum- und Arbeitsatmosphäre. SETA kann als Pendelleuchte für Doppel- und Vierfach-Arbeitsplätze eingesetzt und wahlweise mit einem Anwesenheits- und Helligkeitssensor ausgestattet werden. Die SETA ist das Optimum für minimalistisches Design, exzellente Technik und niedrige Energiekosten. Die Leuchte ist in den Lichtfarben 3000K, 4000K oder als Tunable White Option erhältlich.

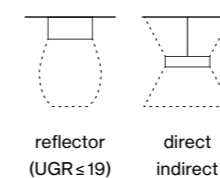
### Types



### Mounting

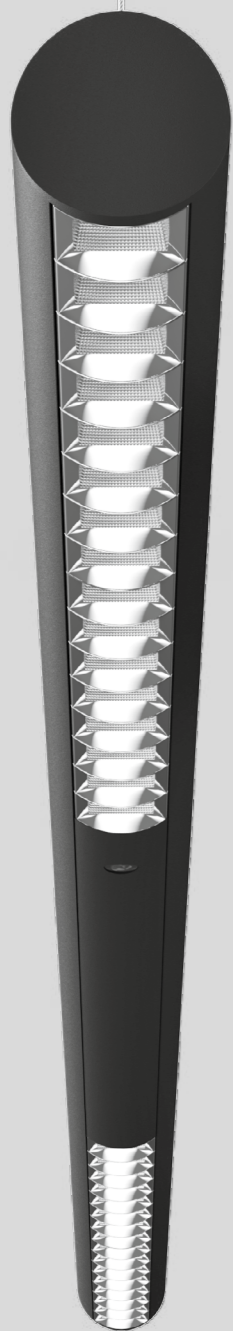


### Light distributions





← back



## SETA

suspended

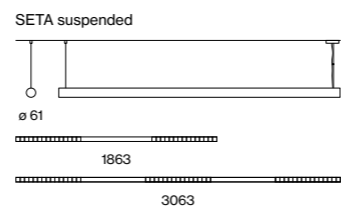
**EN** Luminaire housing from extruded aluminium profile, round design; extremely slim design (only  $\varnothing 61$ mm); no visible screws; surface powder coated; pendant fitting with cable suspension; with integrated tool-less suspension height adjustment; spring clip attachment to the luminaire; freely positionable; with transparent feeder cable; extruded profile for improved thermal management; high-gloss reflector with faceted design; direct/indirect light distribution; indirect light component with integrated PC boards and high-quality lens system for maximum, homogeneous ceiling illumination, optionally separately controllable; energy-efficient LEDs with very good colour rendering

**DE** Leuchtenkörper aus Aluminiumstrangpressprofil, runde Ausführung; extrem schlanke Bauform (nur  $\varnothing 61$ mm); keine sichtbaren Schrauben; Oberfläche pulverbeschichtet; abgependelt mit Seilabhängung; werkzeuglose Höhenverstellung an der Leuchte; Befestigung an der Leuchte mittels Federclips; frei positionierbar; inkl. transp. Einspeiseleitung; Strangpressprofil für verbessertes Thermomanagement; hochglänzender Reflektor mit Facettenoptik; direkt/indirekte Abstrahlcharakteristik; Indirektlichtanteil mit eigenen Platinen und hochwertiger Linsenoptik für maximale, homogene Deckenaufhellung, wahlweise separat steuerbar; energieeffiziente LEDs mit sehr guter Farbwiedergabe

### Quickinfo

3000K, 4000K, TW  
 CRI  $\geq 80$ , 3 SDCM  
 UGR  $\leq 16$  /  $65^\circ \leq 1500$  cd/m<sup>2</sup>  
 L 1860 up to  $\downarrow 3540 / \uparrow 3790$  lm  
 L 3000 up to  $\downarrow 5310 / \uparrow 7580$  lm up to 142 lm/W  
 L90 @ 50 000h  
 DALI-2, DALI sensor reflector (UGR  $\leq 16$ )

### Types



### Colours



### Light distribution



DiiA® standards  
 251, 252, 253



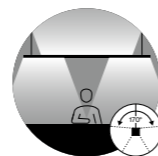
special end cap & reflector design



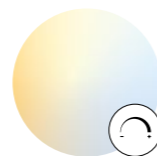
DIN EN 12464-1  
 UGR  $\leq 19$



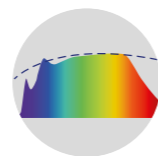
system solution (p.854)



glare-free direct and 170° indirect illumination



tunable white  
 2700–6500 K



CRI  $\geq 98$   
 XPECTRUM

### Order options

COLOUR TEMPERATURE	
3000 K	5
4000 K	6
tunable white 2700–6500 K*	

\*DALI-2 DT8

3000 K + TW 2700–6500 K*	
4000 K + TW 2700–6500 K*	

\*DALI-2 DT8 (separately controllable)

### CONTROL

DALI-2	3
DALI-2 D/I separately control.*	4
DALI sensor	7

\*not for tunable white 1857 mm

### MATERIAL COLOUR

○ pure white RAL 9010	7
● jet black RAL 9005	8

### LIGHT OPTIC COVER

reflector (UGR  $\leq 16$ )

### Options on request

#### COLOUR RENDERING INDEX

CRI  $\geq 90$   
 CRI  $\geq 98$  XPECTRUM

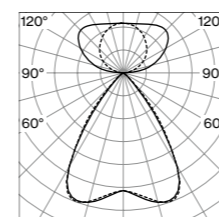
#### TUNABLE WHITE

direct light static 3000 K  
 or 4000 K and indirect light  
 tunable 2700–6500 K

#### MATERIAL COLOUR

grey

### Light distribution



reflector (UGR  $\leq 16$ )  
 direct/indirect power

**LUMINOUS FLUX** value calculated for  
 CRI  $\geq 80$ , colour white, reflector chrome

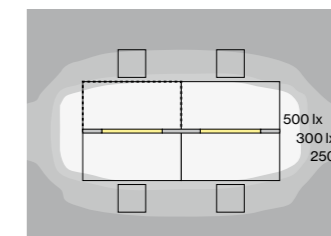
### SETA suspended



#### DIRECT/INDIRECT POWER

SYS. POWER	COLOUR TEMP.	LUM. FLUX	L (mm)	ORDER CODE
55 W	3000 K	$\downarrow 3350 / \uparrow 3580$ lm	1863	074-5246:: $\square$ R
	4000 K	$\downarrow 3540 / \uparrow 3790$ lm		
54 W (2x DALI)	3000 K	$\downarrow 3350$ lm	1863	074-52D654 $\square$ R
	4000 K	$\downarrow 3540$ lm		
54 W (2x DALI)	2700–6500 K	$\uparrow 3120$ lm	1863	074-52D664 $\square$ R
	2700–6500 K	$\uparrow 3120$ lm		
56 W (2x)	2700–6500 K	$\uparrow 7030$ lm	1863	074-5246D $\square$ R
91 W	3000 K	$\downarrow 5020 / \uparrow 7160$ lm	3063	074-5249:: $\square$ R
	4000 K	$\downarrow 5310 / \uparrow 7580$ lm		
90 W (2x DALI)	3000 K	$\downarrow 5020$ lm	3063	074-52D954 $\square$ R
	2700–6500 K	$\uparrow 6240$ lm		
90 W (2x DALI)	4000 K	$\downarrow 5310$ lm	3063	074-52D964 $\square$ R
	2700–6500 K	$\uparrow 6240$ lm		
93 W (2x)	2700–6500 K	$\uparrow 12250$ lm	3063	074-5249D $\square$ R

### Technical data



**SETA** suspended, 91W, 4000K  
 direct/indirect power

#### ROOM VALUES

Room dimensions	5.4 x 4 x 2.8 m
Reflection factor	0.7   0.5   0.2
Maintenance factor	0.8
Mounting height	2.25 m

#### CALCULATION SURFACE

Surface dimensions	1.6 x 0.8
Surface height	0.75
Average illuminance (E <sub>m</sub> )	> 500 lx
Uniformity (U <sub>0</sub> )	> 0.6



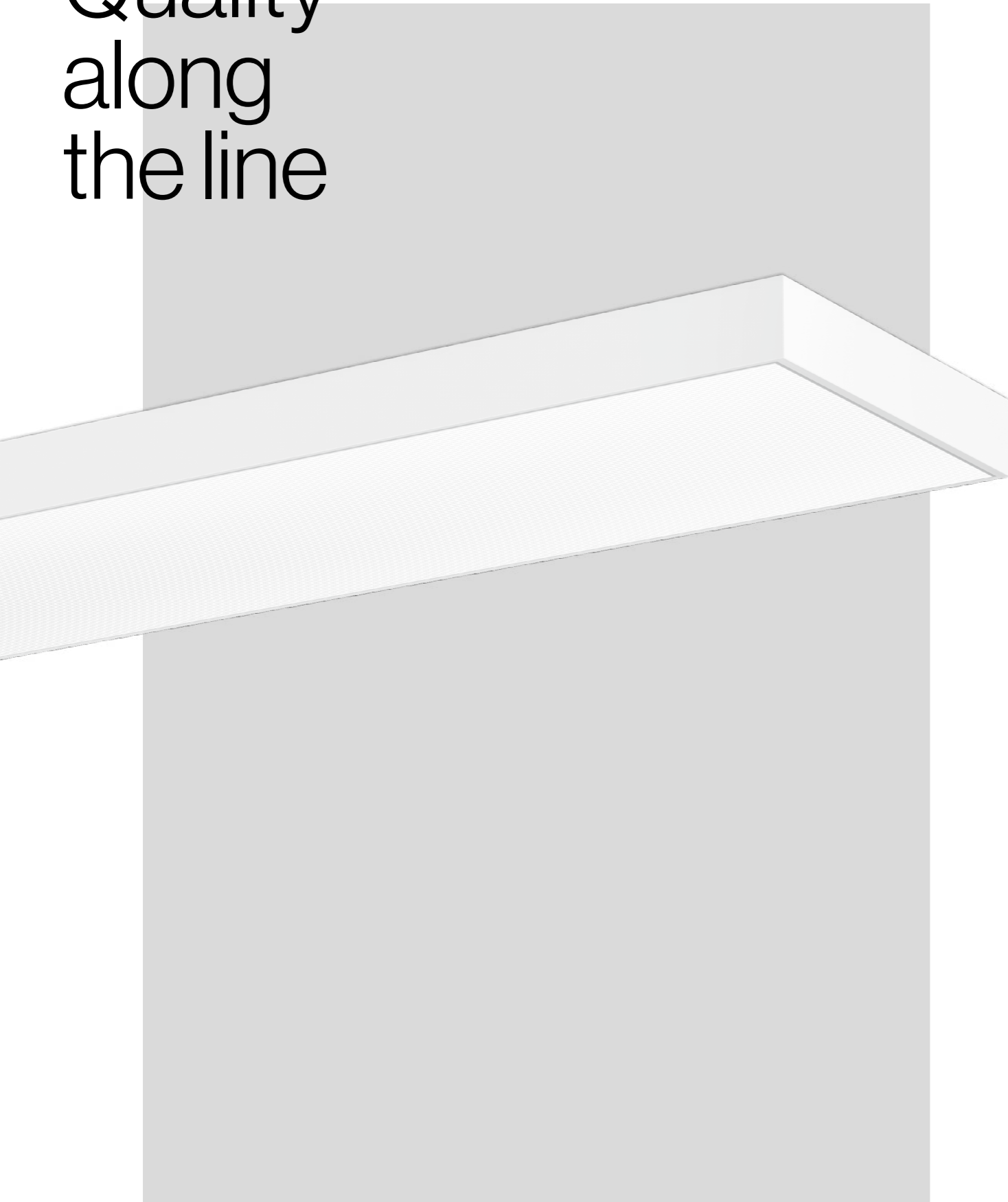
#### GLARE EVALUATION

Table Classification X=4H   Y=8H   S=0.25H	
UGR transversal	$\leq 19$
UGR axial	$\leq 19$
65° < 1500 cd/m <sup>2</sup>	

**Office**  
Visualisation



# Quality along the line



## LENO

**EN** The extremely flat LENO profile luminaire is surprisingly versatile. It is available as a recessed, semi-recessed or surface-mounted version for wall or ceiling mounting, in a suspended version. LENO and its microprismatic cover create ideal work light. The version with an opal cover is best suited for homogeneous room lighting. The variant with asymmetrical beam distribution illuminates walls homogeneously. LENO Jut-Out adds further ceiling illumination by employing discreet lateral radiation. By simply fixing the insets magnetically, assembly is quick and flexible.

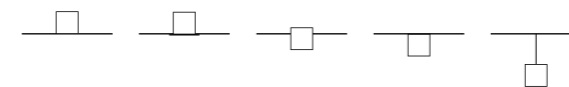
**DE** Die extrem flache Profilleuchte LENO überrascht durch ihre Vielseitigkeit. Sie ist als Einbau-, Halbeinbau- oder Anbauvariante für die Wand- bzw. Deckenmontage und in abgehängter Version erhältlich. Mit mikroprismatischer Abdeckung schafft LENO bestes Arbeitslicht. Die Variante mit Opal-Cover eignet sich für homogene Raumausleuchtung. In der Variante mit asymmetrischer Abstrahlung werden Wände homogen beleuchtet, während LENO Jut-Out durch dezente seitliche Abstrahlung eine zusätzliche Deckenaufhellung erzeugt. Indem die Insets einfach magnetisch fixiert werden, erfolgt die Montage schnell und flexibel.

### Type



90

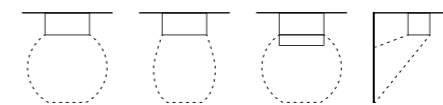
### Mountings

trimless  
recessedtrim  
recessedsemi-  
recessed

surface

suspended

### Light distributions



opal

microprismatic  
(UGR ≤ 19)

jut-out

wallwasher

← back



# LENO

recessed with trim/trimless

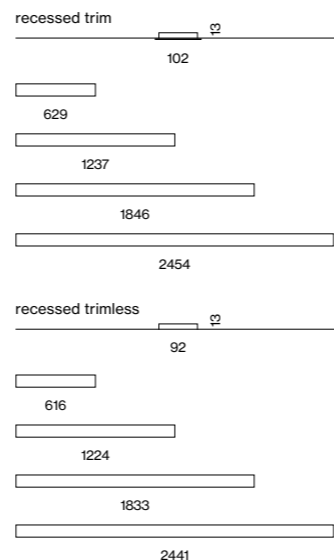
**EN** Low profile recessed channel; suitable for trimless installation in 12.5mm plasterboard ceilings, or with trim; wall or ceiling mounting; powder coated; special edge design with grooves for better adhesion of filler (trimless); easy mounting without need to cut the substructure; fall-safe light inset made of extruded aluminium profile, can be inserted in the canal without tools by magnetic holders; side coupled light, directed downwards by LGP body (Light Guiding Prism) and highly efficient reflector; homogeneously illuminated, satinised (flush or jut-out) or microprismatic PMMA cover; optional asym. light distribution; energy-eff. LEDs – very good colour rendering; external converter for ceiling insertion

**DE** Extrem flacher Einbaukanal; geeignet für den randlosen Einbau in 12,5mm Gipskartondecken, oder mit umlaufendem Rand; Wand- oder Deckenmontage; pulverbeschichtet; spezielle Randausbildung mit Rillen für bessere Haftung der Spachtelmasse (trimless); einfache Montage ohne Schneiden der Unterkonstruktion; absturzesicherer Lichteinsatz aus stranggepresstem Aluminiumprofil werkzeuglos mittels Magnethalter in Kanal einsetzbar; seitlich eingekoppeltes Licht durch LGP-Body (Light-Guiding-Prism) und hocheffizientem Reflektor nach unten gelenkt; homogen ausgeleuchtete, satinierte (bündig oder herausragend) oder mikroprismatische Abdeckung aus PMMA; optional asym. Lichtverteilung; energieeff. LEDs – sehr gute Farbwiedergabe; externer Konverter für Deckeneinwurf

## Quickinfo

3000K, 4000K  
 CRI ≥ 80, 3 SDCM  
 up to 137lm/W  
 L90 @ 50 000h  
 DALI-2  
 opal, microprismatic (UGR ≤ 19),  
 jut-out, asymmetric wallwasher

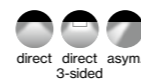
## Types



## Colour



## Light distributions



## Order options

COLOUR TEMPERATURE	
3000K	5
4000K	6

**CONTROL**  
 DALI-2

**MATERIAL COLOUR**  
 traffic white RAL 9016

LIGHT OPTIC COVER	
opal high performance	H
microprismatic (UGR ≤ 19)	G
jut-out	J
asymmetric	

## Options on request

**COLOUR RENDERING INDEX**  
 CRI ≥ 90

Data Monitoring

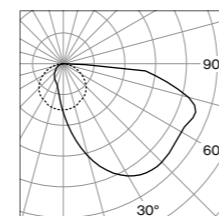
DiiA® standards  
251, 252, 253

system solution (p.862)

microprismatic  
UGR ≤ 19

quick installation

## Light distribution



asymmetric

**LUMINOUS FLUX** value calculated for CRI ≥ 80, colour white, cover opal microprismatic -5%, jut-out -4%

## LENO trim



### LUMINAIRE

SYS. POWER	COLOUR TEMP.	LUM. FLUX	L (mm)	ORDER CODE
10.8 W	3000K	1230lm	629	051-8412::37□
19.1W	3000K	1300lm	1237	051-8414::37□
28.6 W	3000K	2450lm	1846	051-8416::37□
38 W	3000K	2600lm	2454	051-8418::37□
15.6 W	3000K	3680lm	1846	051-8416::37□
asym.	4000K	3890lm		
31W	3000K	4900lm	2454	051-8418::37□
asym.	4000K	5190lm		
15.6 W	3000K	1570lm	616	051-8412::37A
asym.	4000K	1660lm		
31W	3000K	3140lm	1237	051-8414::37A
asym.	4000K	3330lm		
47 W	3000K	4710lm	1846	051-8416::37A
asym.	4000K	4990lm		
62W	3000K	6280lm	2454	051-8418::37A
asym.	4000K	6650lm		

## LENO trimless



### LUMINAIRE

SYS. POWER	COLOUR TEMP.	LUM. FLUX	L (mm)	ORDER CODE
10.8 W	3000K	1230lm	616	051-8312::37□
19.1W	3000K	1300lm	1224	051-8314::37□
28.6 W	3000K	2450lm	1833	051-8316::37□
38 W	3000K	2600lm	2441	051-8318::37□
15.6 W	3000K	3680lm	1833	051-8316::37□
asym.	4000K	3890lm		
31W	3000K	4900lm	2441	051-8318::37□
asym.	4000K	5190lm		
15.6 W	3000K	1570lm	616	051-8312::37A
asym.	4000K	1660lm		
31W	3000K	3140lm	1224	051-8314::37A
asym.	4000K	3330lm		
47 W	3000K	4710lm	1833	051-8316::37A
asym.	4000K	4990lm		
62W	3000K	6280lm	2441	051-8318::37A
asym.	4000K	6650lm		

## Accessories



### DISMOUNTING TOOL

TYPE	ORDER CODE
vacuum cup	086-30000

## Technical data

see page 497

**Vaucluse House** Sydney, AU –  
by EST Lighting



← back



# LENO

semi-recessed

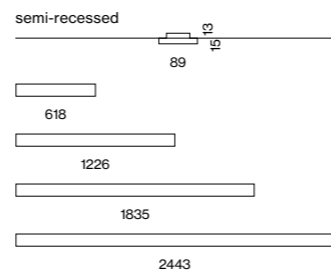
**EN** Low profile recessed mounted luminaire, 15 mm visible height; suitable for wall or ceiling mounting; suitable for installation in primed or exposed concrete, in plasterboard constructions and in plastered walls or ceilings; surface powder coated; fall-safe light inset made of extruded aluminium profile, can be inserted in the canal without tools by magnetic holders; side coupled light, directed downwards by LGP body (Light Guiding Prism) and highly efficient reflector; homogeneously illuminated, satinised (flush or jut-out) or microprismatic PMMA cover; energy-efficient LEDs with very good colour rendering

**DE** Extrem flache Einbauleuchte mit 15 mm sichtbarer Höhe; geeignet für die Wand- oder Deckenmontage; geeignet für den Einbau in gespachtelten Beton oder Sichtbeton, in Gipskartonkonstruktionen und in verputzten Wänden oder Decken; Oberfläche pulverbeschichtet; absturzesicherer Lichteinsatz aus stranggepresstem Aluminiumprofil werkzeuglos mittels Magnethalter in Kanal einsetzbar; seitlich eingekoppeltes Licht durch LGP-Body (Light-Guiding-Prism) und hocheffizientem Reflektor nach unten gelenkt; homogen ausgeleuchtete, satinierte (bündig oder herausragend) oder mikroprismatische Abdeckung aus PMMA; energieeffiziente LEDs mit sehr guter Farbwiedergabe

## Quickinfo

3000K, 4000K  
 CRI ≥ 80, 3 SDCM  
 up to 137lm/W  
 L90 @ 50 000h  
 DALI-2  
 opal, microprismatic (UGR ≤ 19),  
 jut-out

## Types



## Colours



## Light distributions



## Order options

COLOUR TEMPERATURE	
3000K	5
4000K	6

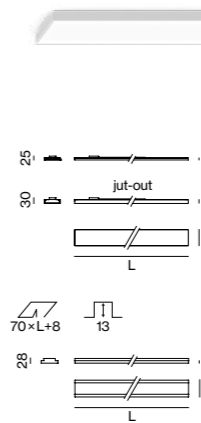
**CONTROL**  
 DALI-2

MATERIAL COLOUR	
○ traffic white RAL 9016	7
● jet black RAL 9005	8

LIGHT OPTIC COVER	
opal high performance	H
microprismatic (UGR ≤ 19)	G
jut-out	J

## Options on request

**COLOUR RENDERING INDEX**  
 CRI ≥ 90



## LENO semi-recessed



## LUMINAIRE

SYS. POWER	COLOUR TEMP.	LUM. FLUX	L (mm)	ORDER CODE
10.8 W	3000K	1230lm	618	05 1-85 1 2 :: 3 ▣
19.1 W	4000K	1300lm	1226	05 1-85 1 4 :: 3 ▣
28.6 W	3000K	2450lm	1835	05 1-85 1 6 :: 3 ▣
38 W	4000K	2600lm	2443	05 1-85 1 8 :: 3 ▣
	3000K	3680lm		
	4000K	3890lm		
	3000K	4900lm		
	4000K	5190lm		

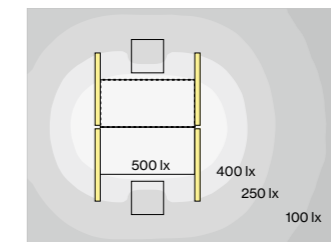
## Accessories



### DISMOUNTING TOOL

TYPE	ORDER CODE
vacuum cup	086-30000

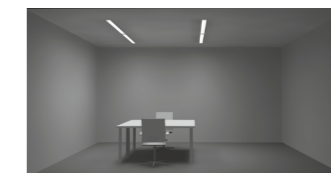
## Technical data



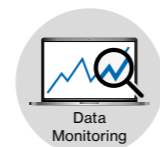
### LENO semi-recessed, 19.1W, 4000K

ROOM VALUES	
Room dimensions	5.4 × 4 × 2.8 m
Reflection factor	0.7   0.5   0.2
Maintenance factor	0.8

CALCULATION SURFACE .....	
Surface dimensions	1.6 × 0.8
Surface height	0.75
Average illuminance (E <sub>m</sub> )	>500 lx
Uniformity (U <sub>0</sub> )	>0.6



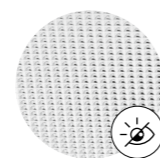
GLARE EVALUATION	
Table Classification X=4H   Y=8H   S=0.25H	
UGR transversal	≤ 19
UGR axial	≤ 19



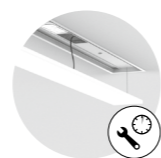
DiiA® standards  
 251, 252, 253



system  
 solution (p.870)



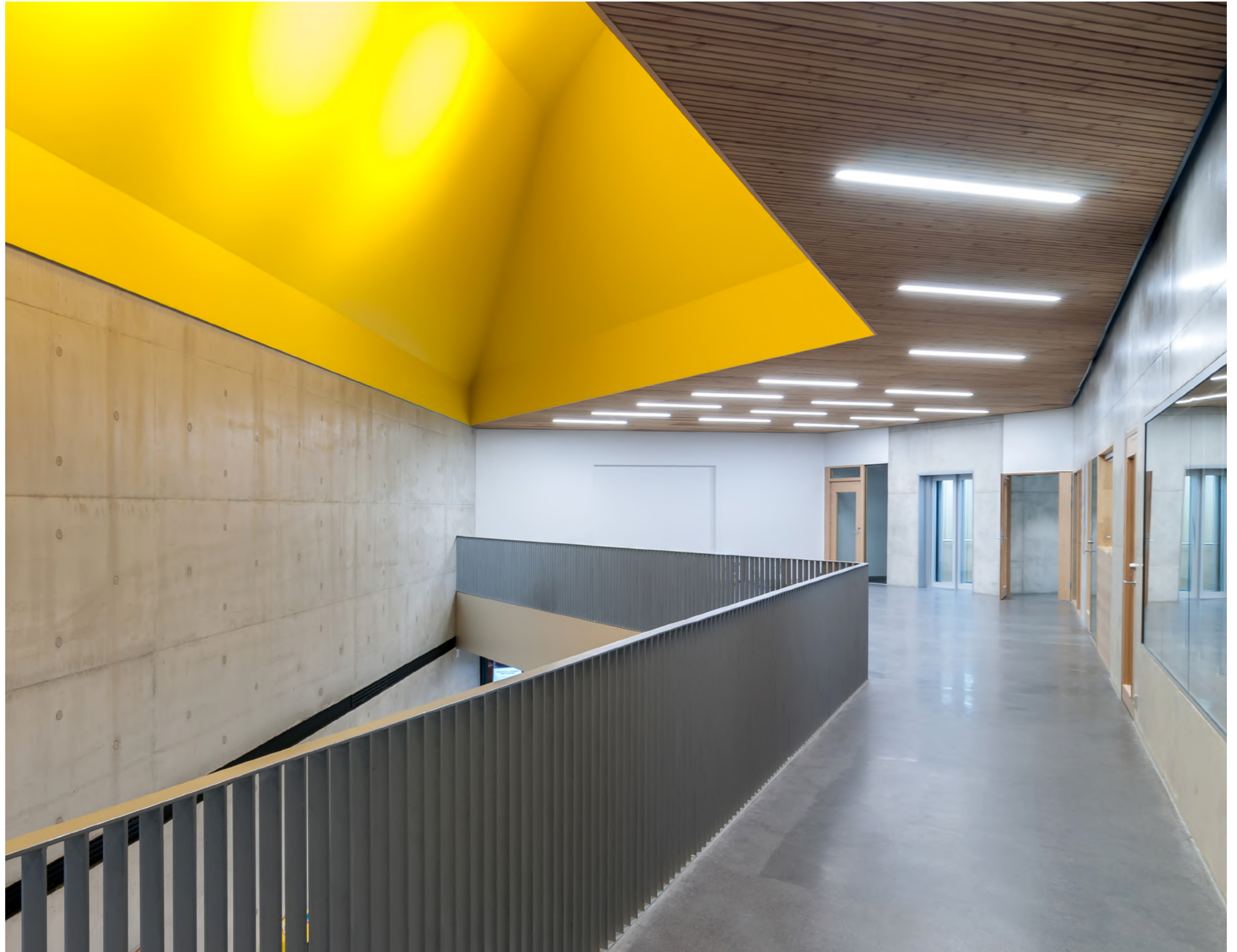
microprismatic  
 UGR ≤ 19



quick  
 installation

**LUMINOUS FLUX** value calculated for  
 CRI ≥ 80, colour white, cover opal  
 microprismatic -5%, jut-out -4%

**Maunulan työväenopisto**  
Helsinki, FI –  
by KS2 Architects



← back



# LENO

surface

EN Low profile surface mounted luminaire, 28 mm total height; suitable for wall or ceiling mounting; surface powder coated; fall-safe light inset made of extruded aluminium profile, can be inserted in the canal without tools by magnetic holders; side coupled light, directed downwards by LGP body (Light Guiding Prism) and highly efficient reflector; homogeneously illuminated, satinised (flush or jut-out) or microprismatic PMMA cover; energy-efficient LEDs with very good colour rendering

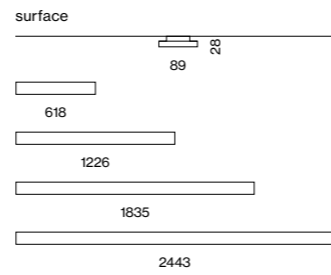
DE Extrem flache Anbauleuchte mit 28 mm Gesamthöhe; geeignet für die Wand- oder Deckenmontage; Oberfläche pulverbeschichtet; absturzesicherer Lichteinsatz aus stranggepresstem Aluminiumprofil werkzeuglos mittels Magnethalter in Kanal einsetzbar; seitlich eingekoppeltes Licht durch LGP-Body (Light-Guiding-Prism) und hocheffizientem Reflektor nach unten gelenkt; homogen ausgeleuchtete, satinierte (bündig oder herausragend) oder mikroprismatische Abdeckung aus PMMA; energieeffiziente LEDs mit sehr guter Farbwiedergabe



## Quickinfo

3000K, 4000K  
 CRI ≥ 80, 3 SDCM  
 up to 137lm/W  
 L90 @ 50 000h  
 DALI-2  
 opal, microprismatic (UGR ≤ 19),  
 jut-out

## Types



## Colours



## Light distributions



## Order options

COLOUR TEMPERATURE	
3000K	5
4000K	6

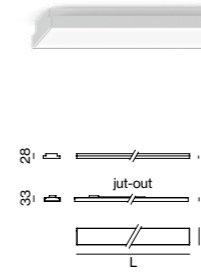
CONTROL	
DALI-2	

MATERIAL COLOUR	
○ traffic white RAL 9016	7
● jet black RAL 9005	8

LIGHT OPTIC COVER	
opal high performance	H
microprismatic (UGR ≤ 19)	G
jut-out	J

## Options on request

COLOUR RENDERING INDEX	
CRI ≥ 90	



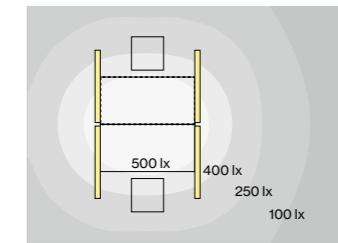
## LENO surface



## LUMINAIRE

SYS. POWER	COLOUR TEMP.	LUM. FLUX	L (mm)	ORDER CODE
10.8 W	3000K	1230 lm	618	05 1-9 1 1 2 :: 3
19.1 W	4000K	1300 lm		
	3000K	2450 lm	1226	05 1-9 1 1 4 :: 3
	4000K	2600 lm		
28.6 W	3000K	3680 lm	1835	05 1-9 1 1 6 :: 3
	4000K	3890 lm		
38 W	3000K	4900 lm	2443	05 1-9 1 1 8 :: 3
	4000K	5190 lm		

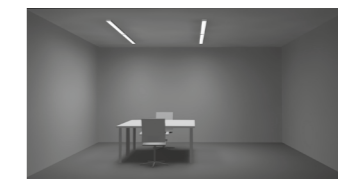
## Technical data



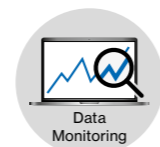
LENO surface, microprismatic, 19.1W, 4000K

ROOM VALUES	
Room dimensions	5.4 × 4 × 2.8 m
Reflection factor	0.7   0.5   0.2
Maintenance factor	0.8

CALCULATION SURFACE	
Surface dimensions	1.6 × 0.8
Surface height	0.75
Average illuminance (E <sub>m</sub> )	> 500 lx
Uniformity (U <sub>0</sub> )	> 0.6



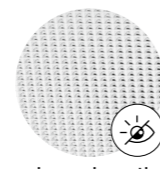
GLARE EVALUATION	
Table Classification X=4H   Y=8H   S=0.25H	
UGR transversal	≤ 19
UGR axial	≤ 19



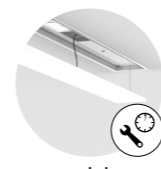
DiiA® standards 251, 252, 253



system solution (p.874)



microprismatic UGR ≤ 19



quick installation

LUMINOUS FLUX value calculated for CRI ≥ 80, colour white, cover opal microprismatic -5%, jut-out -4%



**Private Residence**  
Hausmannstätten, AT –  
by DI Thomas Schwed



← back



# LENO

suspended

**EN** Low profile suspended luminaire, 28 mm total height; pendant fitting with cable suspension; with integrated tool-less suspension height adjustment; incl. transparent feed; surface powder coated; fall-safe light inset made of extruded aluminium profile, can be inserted in the canal without tools by magnetic holders; side coupled light, directed downwards by LGP body (Light Guiding Prism) and highly efficient reflector; homogeneously illuminated, satinised (flush or jut-out) or microprismatic PMMA cover; energy-efficient LEDs with very good colour rendering

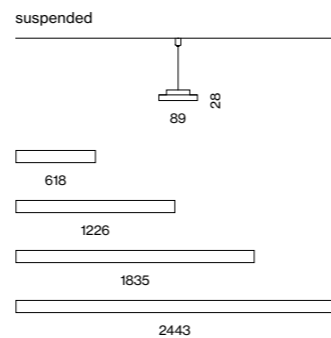
**DE** Extrem flache Pendelleuchte mit 28 mm Gesamthöhe; abgependelt mit Seilabhängung; werkzeuglose Höhenverstellung an der Leuchte; inkl. transparenter Einspeiseleitung; Oberfläche pulverbeschichtet; absturzesicherer Lichteinsatz aus stranggepresstem Aluminiumprofil werkzeuglos mittels Magnethalter in Kanal einsetzbar; seitlich eingekoppeltes Licht durch LGP-Body (Light-Guiding-Prism) und hocheffizientem Reflektor nach unten gelenkt; homogen ausgeleuchtete, satinierte (bündig oder herausragend) oder mikroprismatische Abdeckung aus PMMA; energieeffiziente LEDs mit sehr guter Farbwiedergabe



## Quickinfo

3000K, 4000K  
 CRI ≥ 80, 3 SDCM  
 up to 137lm/W  
 L90 @ 50 000h  
 DALI-2  
 opal, microprismatic (UGR ≤ 19),  
 jut-out

## Types



## Colours



## Light distributions



## Order options

COLOUR TEMPERATURE	
3000K	5
4000K	6

## CONTROL

DALI-2

## MATERIAL COLOUR

○ traffic white RAL 9016	7
● jet black RAL 9005	8

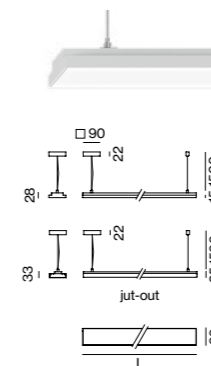
## LIGHT OPTIC COVER

opal high performance	H
microprismatic (UGR ≤ 19)	G
jut-out	J

## Options on request

## COLOUR RENDERING INDEX

CRI ≥ 90



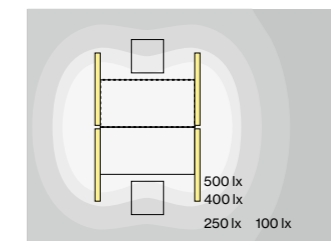
## LENO suspended



## LUMINAIRE

SYS. POWER	COLOUR TEMP.	LUM. FLUX	L (mm)	ORDER CODE
10.8 W	3000K	1230 lm	618	05 1-9 2 1 2 :: 3 ▣
19.1 W	3000K	2450 lm	1226	05 1-9 2 1 4 :: 3 ▣
28.6 W	3000K	3680 lm	1835	05 1-9 2 1 6 :: 3 ▣
38 W	3000K	4900 lm	2443	05 1-9 2 1 8 :: 3 ▣
	4000K	1300 lm		
	4000K	2600 lm		
	4000K	3890 lm		
	4000K	5190 lm		

## Technical data



**LENO** suspended, microprismatic, 19.1W, 4000K

### ROOM VALUES

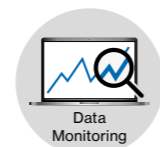
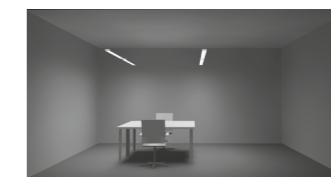
Room dimensions	5.4 × 4 × 2.8 m
Reflection factor	0.7   0.5   0.2
Maintenance factor	0.8
Mounting height	2.25 m

### CALCULATION SURFACE .....

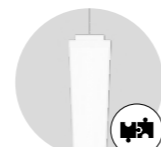
Surface dimensions	1.6 × 0.8
Surface height	0.75
Average illuminance (E <sub>m</sub> )	> 500 lx
Uniformity (U <sub>0</sub> )	> 0.6

### GLARE EVALUATION

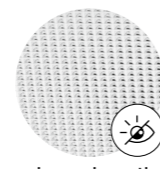
Table Classification X=4H   Y=8H   S=0.25H	
UGR transversal	≤ 19
UGR axial	≤ 19



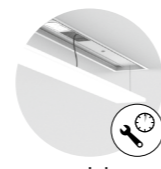
DiiA® standards  
251, 252, 253



system  
solution (p.876)



microprismatic  
UGR ≤ 19



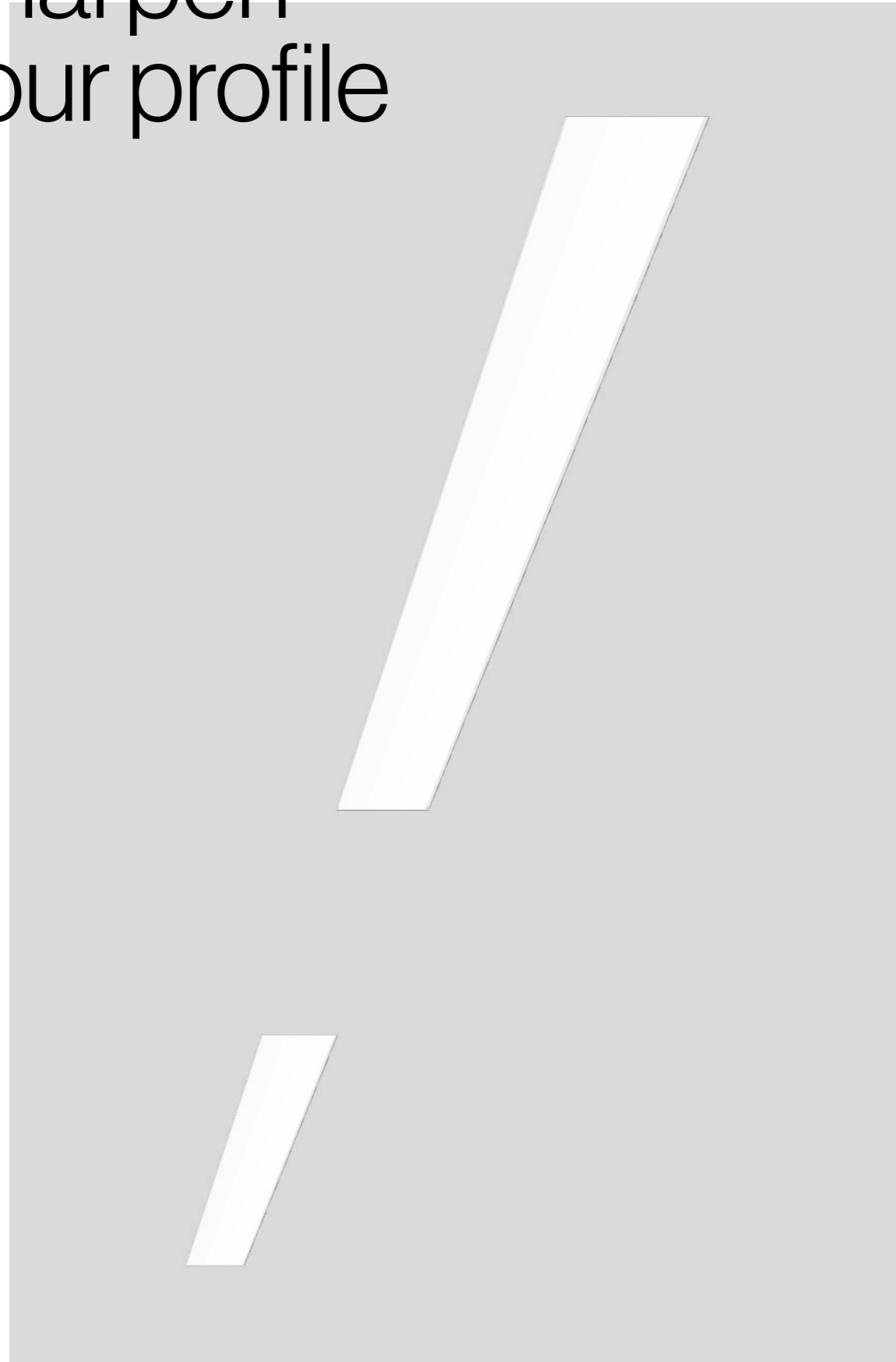
quick  
installation

**LUMINOUS FLUX** value calculated for CRI ≥ 80, colour white, cover opal microprismatic -5%, jut-out -4%

**Amvest headquarters** Amsterdam, NL –  
by Firm Architects with lighting design  
by Maichel Kusters



# Sharpen your profile



## MINIMAL

**EN** Minimalism par excellence: If you like straightforward design, then MINIMAL is perfect for you. Aimed at interiors, the recessed profile luminaire can be seamlessly integrated into all rooms and interiors with style. The single luminaire is trimless, available in different lengths, and varies the desired room effect with the light colours 3000K, 4000K, or Tunable White. Homogenous room illumination is achieved with the opal cover. For standard-compliant workplace lighting, the microprismatic cover version is the best choice.

**DE** Minimalismus par excellence: Wenn Sie geradliniges Design mögen, ist die MINIMAL perfekt für Sie geeignet. Die auf Innenräume ausgerichtete Einbau-Profileuchte lässt sich nahtlos in alle Räume und deren Interior stilvoller integrieren. Die Einzelleuchte ist randlos, in verschiedenen Längen erhältlich und variiert die gewünschte Raumwirkung mit den Lichtfarben 3000K, 4000K oder Tunable White. Eine homogene Raumausleuchtung ist mit der Opal Abdeckung gegeben, für normgerechte Arbeitsplatzbeleuchtung wählen Sie am besten die Version mit mikroprismatischer Abdeckung.

### Types



60

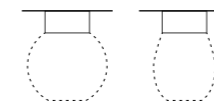
100

### Mounting



trimless  
recessed

### Light distributions



opal

microprismatic  
(UGR ≤ 19)

← back



# MINIMAL 60

recessed trimless

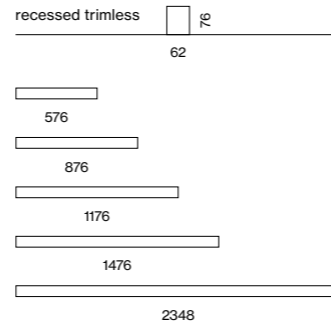
**EN** Luminaire housing made of extruded aluminium; for trimless installation in plasterboard ceilings; special edge design with grooves for better adhesion of filler; suitable for ceiling thickness of 8-25mm; surface powder coated; luminaire profile for mounting available in advance; remaining luminaire components mounted without tools; light inset consisting of highly reflective coated extruded profile for improved thermal management; HPO (High Performance Opal) cover for uniform illumination; microprismatic PMMA diffuser incl. diffuser film for homogeneous illumination and reduced luminance; energy-efficient LEDs with very good colour rendering

**DE** Leuchtenkörper aus Aluminiumstrangpressprofil; geeignet für den randlosen Einbau in Gipskartondecken; spezielle Randausbildung mit Rillen für bessere Haftung der Spachtelmasse; geeignet für Deckenstärken von 8-25mm; Oberfläche pulverbeschichtet; Leuchtenprofil für Montage vorab lieferbar; restliche Leuchtenkomponenten werkzeuglos montierbar; Lichteinsatz bestehend aus hochreflektierend lackiertem Strangpressprofil für verbessertes Thermomanagement; HPO (High Performance Opal) Abdeckung für homogene Ausleuchtung; mikroprismatische PMMA-Abdeckung inkl. Diffusorfolie zur Reduktion der Leuchtdichte bei homogener Ausleuchtung; energieeffiziente LEDs mit sehr guter Farbwiedergabe

## Quickinfo

3000K, 4000K  
 CRI ≥ 80, 3 SDCM  
 up to 125lm/W  
 L90 @ 50 000h  
 non DIM, DALI-2  
 opal, microprismatic (UGR ≤ 19)

## Types



## Colour



## Light distributions



Data Monitoring

DiiA® standards  
 251, 252, 253

system solution (p. 880)

microprismatic UGR ≤ 19

tunable white 2700–6500K

CRI ≥ 98 XPECTRUM

## Order options

COLOUR TEMPERATURE	
3000K	5
4000K	6

CONTROL	
non DIM	1
DALI-2	3

## MATERIAL COLOUR

○ traffic white RAL 9016

## LIGHT OPTIC COVER

opal high performance	H
microprismatic	Z
microprismatic (UGR ≤ 19)*	G

\*UGR ≤ 19 only with mid lumen

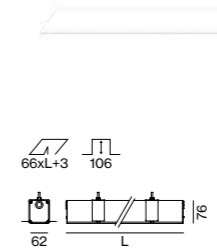
## Options on request

### COLOUR RENDERING INDEX

CRI ≥ 90  
 CRI ≥ 98 XPECTRUM

### COLOUR TEMPERATURE

tunable white 2700–6500K  
 DALI-2 DT8



## MINIMAL 60 trimless



### MID LUMEN

SYS. POWER	COLOUR TEMP.	LUM. FLUX	L (mm)	ORDER CODE
8.7W	3000K	902lm	576	0 5 2 - 3 2 L 2 :: 1 7 □
	4000K	955lm		
13W	3000K	1350lm	876	0 5 2 - 3 2 L 3 :: 1 7 □
	4000K	1430lm		
15.3W	3000K	1800lm	1176	0 5 2 - 3 2 L 4 :: 1 7 □
	4000K	1910lm		
19.2W	3000K	2250lm	1476	0 5 2 - 3 2 L 5 :: 1 7 □
	4000K	2390lm		
31W	3000K	3610lm	2348	0 5 2 - 3 2 L 8 :: 1 7 □
	4000K	3820lm		

### HIGH LUMEN

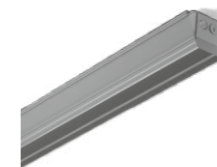
SYS. POWER	COLOUR TEMP.	LUM. FLUX	L (mm)	ORDER CODE
13.8W	3000K	1490lm	576	0 5 2 - 3 2 M 2 :: 7 □
	4000K	1580lm		
20.6W	3000K	2240lm	876	0 5 2 - 3 2 M 3 :: 7 □
	4000K	2370lm		
27.5W	3000K	2980lm	1176	0 5 2 - 3 2 M 4 :: 7 □
	4000K	3160lm		
34W	3000K	3730lm	1476	0 5 2 - 3 2 M 5 :: 7 □
	4000K	3950lm		
55W	3000K	5970lm	2348	0 5 2 - 3 2 M 8 :: 7 □
	4000K	6320lm		

## Mounting accessories

### CONCRETE INSTALLATION HOUSING

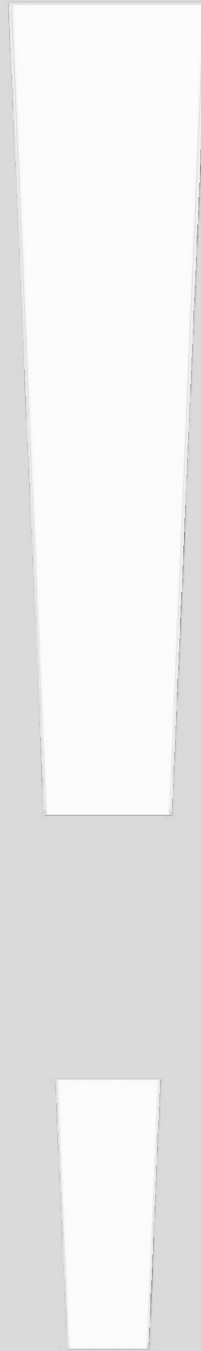
L (mm)	W-H (mm)	ORDER CODE
635	75-88	0 3 6 - 0 4 0 6 6
935	75-88	0 3 6 - 0 4 0 9 6
1235	75-88	0 3 6 - 0 4 1 2 6
1535	75-88	0 3 6 - 0 4 1 5 6
2407	75-88	0 3 6 - 0 4 2 3 6

no use for wall installation (only on request)



**LUMINOUS FLUX** value calculated for CRI ≥ 80, colour white, cover opal microprismatic -13%

← back



## MINIMAL 100

recessed trimless

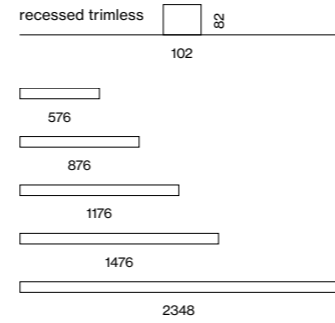
**EN** Luminaire housing made of extruded aluminium; for trimless installation in plasterboard ceilings; special edge design with grooves for better adhesion of filler; suitable for ceiling thickness of 8-25mm; surface powder coated; luminaire profile for mounting available in advance; remaining luminaire components mounted without tools; light inset consisting of highly reflective coated extruded profile for improved thermal management; HPO (High Performance Opal) cover for uniform illumination; microprismatic PMMA diffuser incl. diffuser film for homogeneous illumination and reduced luminance; energy-efficient LEDs with very good colour rendering

**DE** Leuchtenkörper aus Aluminiumstrangpressprofil; geeignet für den randlosen Einbau in Gipskartondecken; spezielle Randausbildung mit Rillen für bessere Haftung der Spachtelmasse; geeignet für Deckenstärken von 8-25mm; Oberfläche pulverbeschichtet; Leuchtenprofil für Montage vorab lieferbar; restliche Leuchtenkomponenten werkzeuglos montierbar; Lichteinsatz bestehend aus hochreflektierend lackiertem Strangpressprofil für verbessertes Thermomanagement; HPO (High Performance Opal) Abdeckung für homogene Ausleuchtung; mikroprismatische PMMA-Abdeckung inkl. Diffusorfolie zur Reduktion der Leuchtdichte bei homogener Ausleuchtung; energieeffiziente LEDs mit sehr guter Farbwiedergabe

### Quickinfo

3000K, 4000K  
 CRI ≥ 80, 3 SDCM  
 UGR ≤ 19 / 65° ≤ 3000 cd/m²  
 up to 7070 lm  
 up to 140 lm/W  
 L90 @ 50 000h  
 non DIM, DALI-2  
 opal, microprismatic (UGR ≤ 19)

### Types



### Colour



### Light distributions



microp. opal



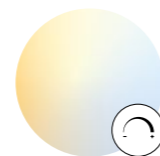
Data Monitoring  
 DiiA® standards  
 251, 252, 253



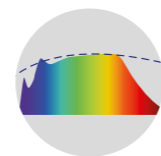
system  
 solution (p.882)



DIN EN 12464-1  
 UGR ≤ 19



tunable white  
 2700–6500K



CRI ≥ 98  
 XPECTRUM

### Order options

COLOUR TEMPERATURE	
3000K	5
4000K	6

CONTROL	
non DIM	1
DALI-2	3

### MATERIAL COLOUR

○ traffic white RAL 9016

### LIGHT OPTIC COVER

opal high performance	H
microprismatic	Z
microprismatic (UGR ≤ 19)	G

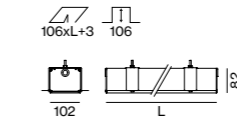
### Options on request

#### COLOUR RENDERING INDEX

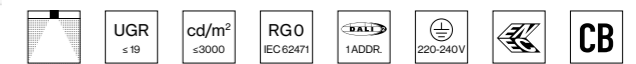
CRI ≥ 90  
 CRI ≥ 98 XPECTRUM

#### COLOUR TEMPERATURE

tunable white 2700–6500K  
 DALI-2 DT8



### MINIMAL 100 trimless



#### MID LUMEN

SYS. POWER	COLOUR TEMP.	LUM. FLUX	L (mm)	ORDER CODE
8.7W	3000K	1010lm	576	052-33L2::17 □
	4000K	1070lm		
13W	3000K	1520lm	876	052-33L3::17 □
	4000K	1600lm		
15.3W	3000K	2020lm	1176	052-33L4::17 □
	4000K	2140lm		
19.2W	3000K	2530lm	1476	052-33L5::17 □
	4000K	2670lm		
31W	3000K	4040lm	2348	052-33L8::17 □
	4000K	4280lm		

#### HIGH LUMEN

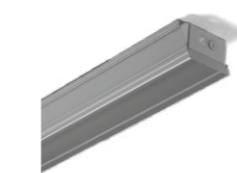
SYS. POWER	COLOUR TEMP.	LUM. FLUX	L (mm)	ORDER CODE
13.8W	3000K	1670lm	576	052-33M2::7 □
	4000K	1770lm		
20.6W	3000K	2510lm	876	052-33M3::7 □
	4000K	2650lm		
27.5W	3000K	3340lm	1176	052-33M4::7 □
	4000K	3540lm		
34W	3000K	4180lm	1476	052-33M5::7 □
	4000K	4420lm		
55W	3000K	6680lm	2348	052-33M8::7 □
	4000K	7070lm		

### Mounting accessories

#### CONCRETE INSTALLATION HOUSING

L (mm)	W-H (mm)	ORDER CODE
635	116-94	036-05066
935	116-94	036-05096
1235	116-94	036-05126
1535	116-94	036-05156
2407	116-94	036-05236

no use for wall installation (only on request)

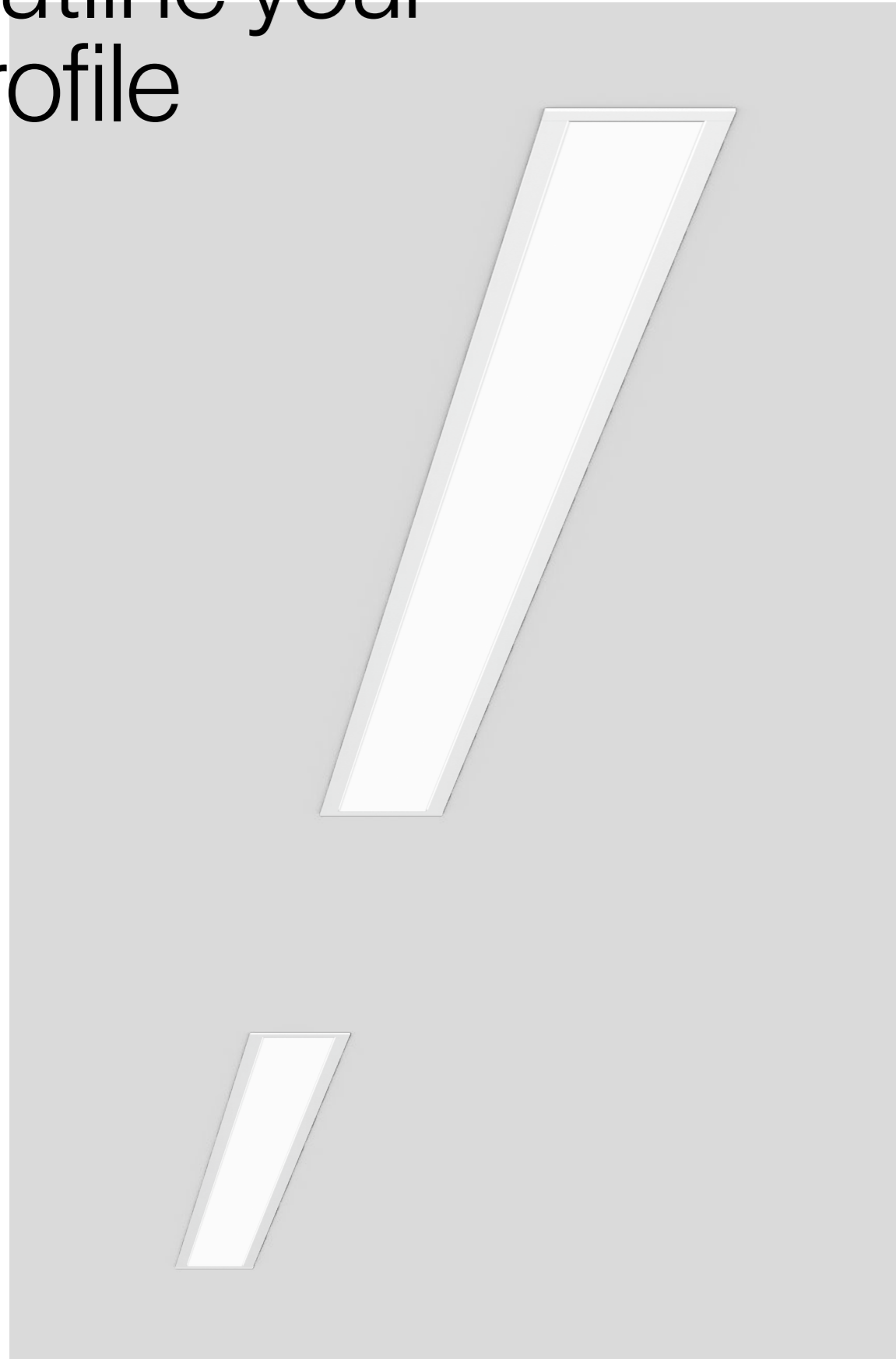


**LUMINOUS FLUX** value calculated for  
 CRI ≥ 80, colour white, cover opal  
 microprism. Z -8%, microprism. G -10%

**Strozzigasse 10**  
Vienna, AT –  
by Bernd Besenlehner



# Outline your profile



## FRAME

**EN** FRAME makes flexible workplace lighting easy. The microprismatic cover ensures optimum glare control and thus standard-compliant illumination of the work areas. With a total of five lengths and three widths, this profile luminaire is versatile. Depending on the colour rendering requirement, the single luminaire is available up to  $\text{CRI} \geq 98$  or in the light colours 3000K, 4000K, or Tunable White. FRAME's opal cover version delivers optimal and uniform room illumination.

**DE** Eine flexible Arbeitsplatzbeleuchtung ist mit der FRAME ein Leichtes. Die mikroprismatische Abdeckung sorgt für optimale Entblendung und somit für normgerechte Ausleuchtung der Arbeitsbereiche. Mit insgesamt fünf Längen und drei Breiten ist diese Profilleuchte vielseitig einsetzbar. Je nach Anforderung an die Farbwiedergabe ist die Einzeleuchte bis zu  $\text{CRI} \geq 98$  bzw. in den Lichtfarben 3000K, 4000K oder Tunable White erhältlich. In der Variante mit Opal-Cover sorgt FRAME für eine optimale und gleichmäßige Raumausleuchtung.

### Types



40

60

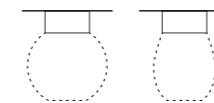
100

### Mounting



with trim  
recessed

### Light distributions



opal

microprismatic  
( $\text{UGR} \leq 19$ )



← back



## FRAME 40

recessed with trim

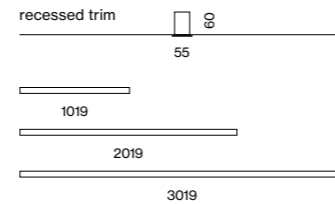
**EN** Luminaire housing made of extruded aluminium; recessed luminaire with trim; suitable for ceiling thickness of 8-25 mm; surface powder coated; luminaire profile can be pre-mounted; remaining luminaire components mounted without tools; light inset consisting of highly reflective coated extruded profile for improved thermal management; HPO (High Performance Opal) cover for uniform illumination; energy-efficient LEDs with very good colour rendering

**DE** Leuchtenkörper aus Aluminiumstrangpressprofil; Einbauleuchte mit umlaufendem Rand; geeignet für Deckenstärken von 8-25 mm; Oberfläche pulverbeschichtet; Leuchtenprofil vorab montierbar; restliche Leuchtenkomponenten werkzeuglos montierbar; Lichteinsatz bestehend aus hochreflektierend lackiertem Strangpressprofil für verbessertes Thermomanagement; HPO (High Performance Opal) Abdeckung für homogene Ausleuchtung; energieeffiziente LEDs mit sehr guter Farbwiedergabe

### Quickinfo

3000K, 4000K  
CRI ≥ 90, 3 SDCM  
up to 102lm/W  
L90 @ 50 000h  
DALI-2  
opal

### Types



### Colours



### Light distribution



opal

### Order options

COLOUR TEMPERATURE	
3000K	0
4000K	1

### CONTROL

DALI-2

### MATERIAL COLOUR

- traffic white RAL 9016 7  
 white aluminium RAL 9006 G

### LIGHT OPTIC COVER

opal high performance

### Options on request

COLOUR RENDERING INDEX  
CRI ≥ 98 XPECTRUM

### COLOUR TEMPERATURE

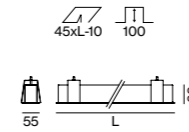
tunable white 2700–6500 K  
DALI-2 DT8

### LIGHT OPTIC COVER

microprismatic



### FRAME 40 trim



### MID LUMEN

SYS. POWER	COLOUR TEMP.	LUM. FLUX	L (mm)	ORDER CODE
15.3W	3000K	1480lm	1019	0 4 2 - 7 1 1 2 :: 3 H
30.5W	3000K	2950lm	2019	0 4 2 - 7 1 1 4 :: 3 H
46W	3000K	4420lm	3019	0 4 2 - 7 1 1 6 :: 3 H
	4000K	1560lm		
	4000K	3120lm		
	4000K	4680lm		

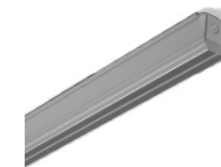
### HIGH LUMEN

SYS. POWER	COLOUR TEMP.	LUM. FLUX	L (mm)	ORDER CODE
22.9W	3000K	2210lm	1019	0 4 2 - 7 1 2 2 :: 3 H
46W	3000K	4420lm	2019	0 4 2 - 7 1 2 4 :: 3 H
69W	3000K	6630lm	3019	0 4 2 - 7 1 2 6 :: 3 H
	4000K	2340lm		
	4000K	4680lm		
	4000K	7020lm		

### Mounting accessories

#### CONCRETE INSTALLATION HOUSING

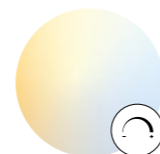
L (mm)	W-H (mm)	ORDER CODE
1038	57-87	0 4 2 - 7 1 9 5 2 1 0
2038	57-87	0 4 2 - 7 1 9 5 4 1 0
3038	57-87	0 4 2 - 7 1 9 5 6 1 0



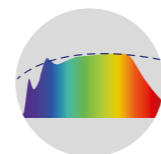
DiiA® standards  
251, 252, 253



system  
solution (p.890)



tunable white  
2700–6500 K



CRI ≥ 98  
XPECTRUM

**LUMINOUS FLUX** value calculated for  
CRI ≥ 90, colour white, cover opal

back



## FRAME 60

recessed with trim

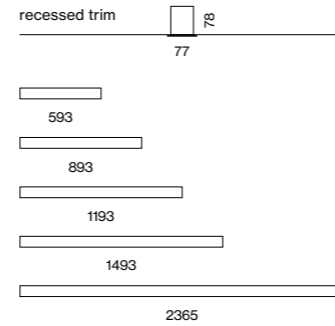
**EN** Luminaire housing made of extruded aluminium; recessed luminaire with trim; suitable for ceiling thickness of 8-25mm; surface powder coated; luminaire profile for mounting available in advance; remaining luminaire components mounted without tools; light inset consisting of highly reflective coated extruded profile for improved thermal management; HPO (High Performance Opal) cover for uniform illumination; microprismatic PMMA diffuser incl. diffuser film for homogeneous illumination and reduced luminance; energy-efficient LEDs with very good colour rendering

**DE** Leuchtenkörper aus Aluminiumstrangpressprofil; Einbauleuchte mit umlaufendem Rand; geeignet für Deckenstärken von 8-25 mm; Oberfläche pulverbeschichtet; Leuchtenprofil für Montage vorab lieferbar; restliche Leuchtenkomponenten werkzeuglos montierbar; Lichteinsatz bestehend aus hochreflektierend lackiertem Strangpressprofil für verbessertes Thermomanagement; HPO (High Performance Opal) Abdeckung für homogene Ausleuchtung; mikroprismatische PMMA-Abdeckung inkl. Diffusorfolie zur Reduktion der Leuchtdichte bei homogener Ausleuchtung; energieeffiziente LEDs mit sehr guter Farbwiedergabe

### Quickinfo

3000K, 4000K  
CRI ≥ 80, 3 SDCM  
up to 125lm/W  
L90 @ 50 000h  
non DIM, DALI-2  
opal, microprismatic (UGR ≤ 19)

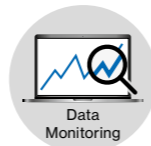
### Types



### Colours



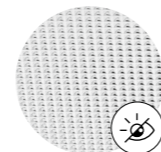
### Light distributions



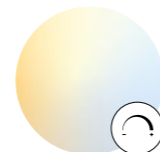
DiiA® standards  
251, 252, 253



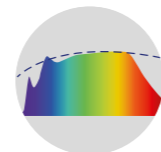
system  
solution (p.892)



microprismatic  
solution UGR ≤ 19



tunable white  
2700–6500K



CRI ≥ 98  
XPECTRUM

### Order options

**COLOUR TEMPERATURE**

3000K	5
4000K	6

**CONTROL**

non DIM	1
DALI-2	3

**MATERIAL COLOUR**

<input type="radio"/> traffic white RAL 9016	7
<input checked="" type="radio"/> white aluminium RAL 9006	G

**LIGHT OPTIC COVER**

opal high performance	H
microprismatic	Z
microprismatic (UGR ≤ 19)*	G

\*UGR ≤ 19 only with mid lumen

### Options on request

#### COLOUR RENDERING INDEX

CRI ≥ 90	
CRI ≥ 98 XPECTRUM	

#### COLOUR TEMPERATURE

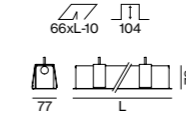
tunable white 2700–6500K	
DALI-2 DT8	

#### INDIVIDUAL MATERIAL COLOUR

please contact factory



### FRAME 60 trim



#### MID LUMEN

SYS. POWER	COLOUR TEMP.	LUM. FLUX	L (mm)	ORDER CODE
8.7W	3000K	902lm	593	0 5 2 - 4 7 L 2 :: 1
	4000K	955lm		
13W	3000K	1350lm	893	0 5 2 - 4 7 L 3 :: 1
	4000K	1430lm		
15.3W	3000K	1800lm	1193	0 5 2 - 4 7 L 4 :: 1
	4000K	1910lm		
19.2W	3000K	2250lm	1493	0 5 2 - 4 7 L 5 :: 1
	4000K	2390lm		
31W	3000K	3610lm	2365	0 5 2 - 4 7 L 8 :: 1
	4000K	3820lm		

#### HIGH LUMEN

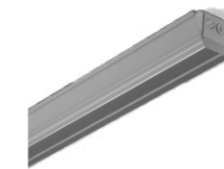
SYS. POWER	COLOUR TEMP.	LUM. FLUX	L (mm)	ORDER CODE
13.8W	3000K	1490lm	593	0 5 2 - 4 7 M 2 ::
	4000K	1580lm		
20.6W	3000K	2240lm	893	0 5 2 - 4 7 M 3 ::
	4000K	2370lm		
27.5W	3000K	2980lm	1193	0 5 2 - 4 7 M 4 ::
	4000K	3160lm		
34W	3000K	3730lm	1493	0 5 2 - 4 7 M 5 ::
	4000K	3950lm		
55W	3000K	5970lm	2365	0 5 2 - 4 7 M 8 ::
	4000K	6320lm		

### Mounting accessories

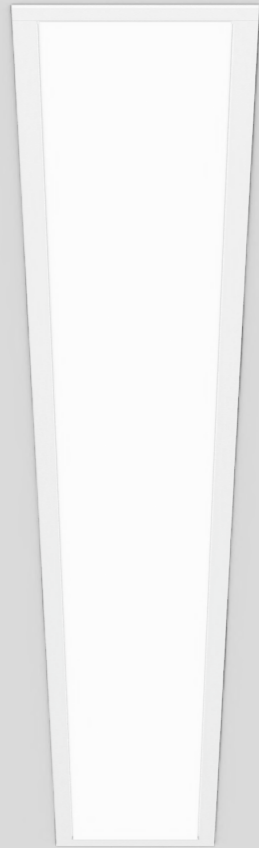
#### CONCRETE INSTALLATION HOUSING

L (mm)	W-H (mm)	ORDER CODE
635	75-88	0 3 5 - 0 4 0 6 6
935	75-88	0 3 5 - 0 4 0 9 6
1235	75-88	0 3 5 - 0 4 1 2 6
1535	75-88	0 3 5 - 0 4 1 5 6
2407	75-88	0 3 5 - 0 4 2 3 6

no use for wall installation (only on request)



**LUMINOUS FLUX** value calculated for  
CRI ≥ 80, colour white, cover opal  
microprismatic -13%

[← back](#)


## FRAME 100

recessed with trim

**EN** Luminaire housing made of extruded aluminium; recessed luminaire with trim; suitable for ceiling thickness of 8-25mm; surface powder coated; luminaire profile for mounting available in advance; remaining luminaire components mounted without tools; light inset consisting of highly reflective coated extruded profile for improved thermal management; HPO (High Performance Opal) cover for uniform illumination; micro prismatic PMMA diffuser incl. diffuser film for homogeneous illumination and reduced luminance; energy-efficient LEDs with very good colour rendering

**DE** Leuchtenkörper aus Aluminiumstrangpressprofil; Einbauleuchte mit umlaufendem Rand; geeignet für Deckenstärken von 8-25mm; Oberfläche pulverbeschichtet; Leuchtenprofil für Montage vorab lieferbar; restliche Leuchtenkomponenten werkzeuglos montierbar; Lichteinsatz bestehend aus hochreflektierend lackiertem Strangpressprofil für verbessertes Thermomanagement; HPO (High Performance Opal) Abdeckung für homogene Ausleuchtung; mikroprismatische PMMA-Abdeckung inkl. Diffusorfolie zur Reduktion der Leuchtdichte bei homogener Ausleuchtung; energieeffiziente LEDs mit sehr guter Farbwiedergabe

### Quickinfo

3000K, 4000K  
 CRI ≥ 80, 3 SDCM  
 UGR ≤ 19 / 65° ≤ 3000 cd/m²  
 up to 7070 lm  
 up to 140 lm/W  
 L90 @ 50 000h  
 non DIM, DALI-2  
 opal, microprismatic (UGR ≤ 19)

### Types



### Colours



### Light distributions



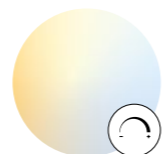
Data Monitoring  
 DiiA® standards  
 251, 252, 253



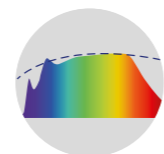
system  
 solution (p.898)



DIN EN 12464-1  
 UGR ≤ 19



tunable white  
 2700–6500K



CRI ≥ 98  
 XPECTRUM

### Order options

COLOUR TEMPERATURE	
3000K	5
4000K	6

CONTROL	
non DIM	1
DALI-2	3

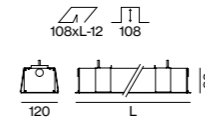
MATERIAL COLOUR	
<input type="radio"/> traffic white RAL 9016	7
<input checked="" type="radio"/> white aluminium RAL 9006	G

LIGHT OPTIC COVER	
opal high performance	H
microprismatic	Z
microprismatic (UGR ≤ 19)	G

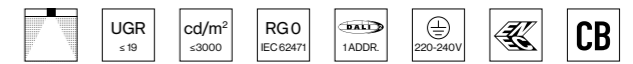
### Options on request

COLOUR RENDERING INDEX	
CRI ≥ 90	
CRI ≥ 98 XPECTRUM	

COLOUR TEMPERATURE	
tunable white 2700–6500K	
DALI-2 DT8	



### FRAME 100 trim



#### MID LUMEN

SYS. POWER	COLOUR TEMP.	LUM. FLUX	L (mm)	ORDER CODE
8.7W	3000K	1010lm	596	0 5 2 - 4 3 L 2 :: 1 ▣ □
	4000K	1070lm		
13W	3000K	1520lm	896	0 5 2 - 4 3 L 3 :: 1 ▣ □
	4000K	1600lm		
15.3W	3000K	2020lm	1196	0 5 2 - 4 3 L 4 :: 1 ▣ □
	4000K	2140lm		
19.2W	3000K	2530lm	1496	0 5 2 - 4 3 L 5 :: 1 ▣ □
	4000K	2670lm		
31W	3000K	4040lm	2368	0 5 2 - 4 3 L 8 :: 1 ▣ □
	4000K	4280lm		

#### HIGH LUMEN

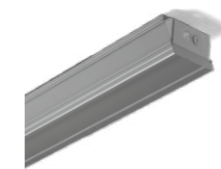
SYS. POWER	COLOUR TEMP.	LUM. FLUX	L (mm)	ORDER CODE
13.8W	3000K	1670lm	596	0 5 2 - 4 3 M 2 :: ▣ ▣ □
	4000K	1770lm		
20.6W	3000K	2510lm	896	0 5 2 - 4 3 M 3 :: ▣ ▣ □
	4000K	2650lm		
27.5W	3000K	3340lm	1196	0 5 2 - 4 3 M 4 :: ▣ ▣ □
	4000K	3540lm		
34W	3000K	4180lm	1496	0 5 2 - 4 3 M 5 :: ▣ ▣ □
	4000K	4420lm		
55W	3000K	6680lm	2368	0 5 2 - 4 3 M 8 :: ▣ ▣ □
	4000K	7070lm		

### Mounting accessories

#### CONCRETE INSTALLATION HOUSING

L (mm)	W-H (mm)	ORDER CODE
635	116-94	0 3 5 - 0 5 0 6 6
935	116-94	0 3 5 - 0 5 0 9 6
1235	116-94	0 3 5 - 0 5 1 2 6
1535	116-94	0 3 5 - 0 5 1 5 6
2407	116-94	0 3 5 - 0 5 2 3 6

no use for wall installation (only on request)

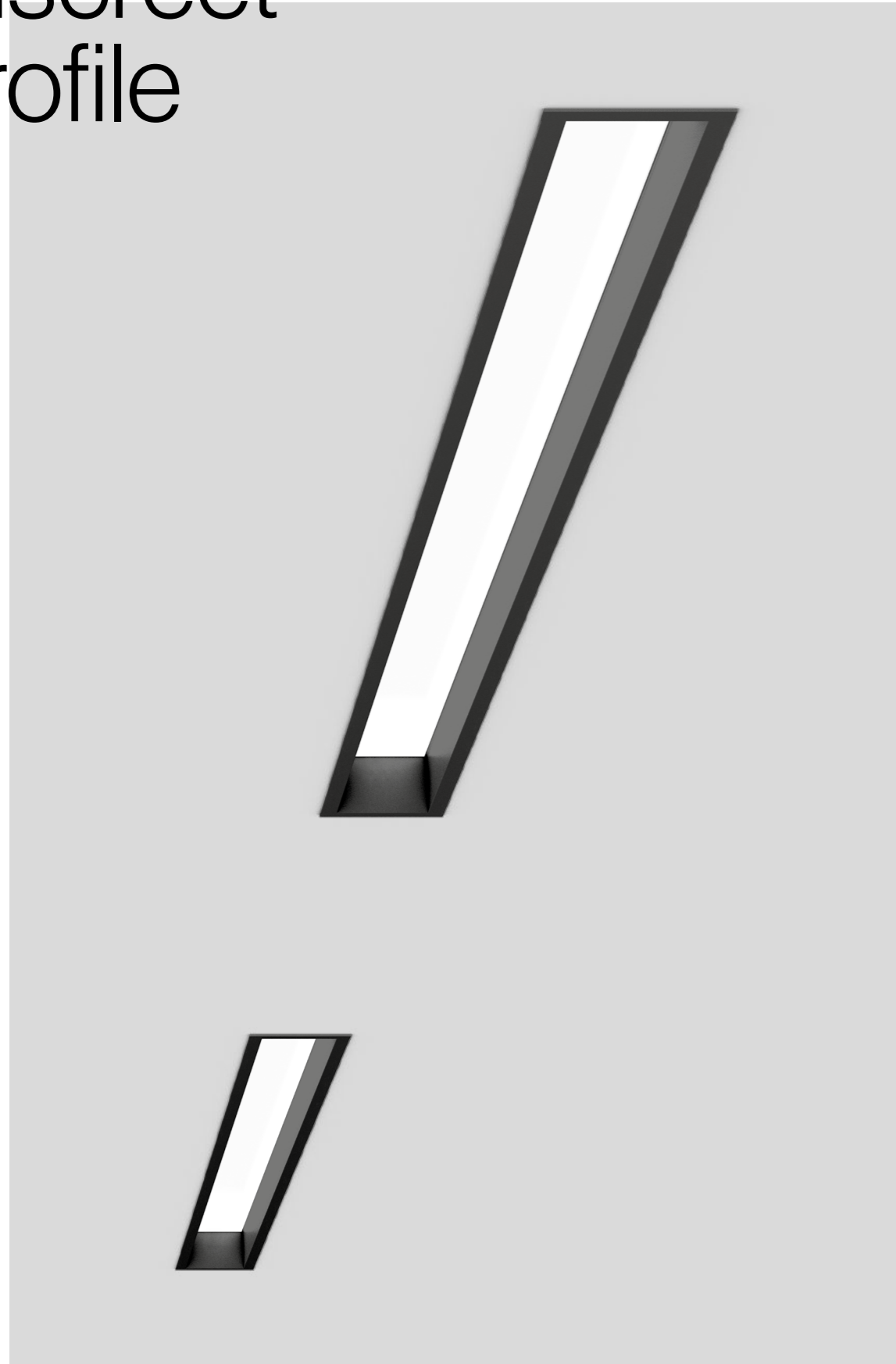


**LUMINOUS FLUX** value calculated for  
 CRI ≥ 80, colour white, cover opal  
 microprism. Z -8%, microprism. G -10%

**Geriatrics** Simmering, AT –  
by Josef Weichenberger architects +  
Partner including lighting design







# Discreet profile



## CANYON

**EN** The perfect first impression: The CANYON luminaire and its simplicity create a calm ambience in the entrance area. CANYON also crafts a calm ceiling appearance in recreation rooms, corridors, or at the workplace thanks to the recessed luminaire level. The profile luminaire with a trim can be used universally as it comes in different lengths and with different covers, such as microprismatic or opal. The CANYON single luminaire's colour rendering reaches up to  $\text{CRI} \geq 90$  with a total of three possible light colours: 3000K, 4000K, and Tunable White.

**DE** Der perfekte erste Eindruck: Die CANYON Leuchte sorgt im Eingangsbereich mit ihrer Schlichtheit für ruhiges Ambiente. Auch in Aufenthaltsräumen, Gängen oder am Arbeitsplatz bewirkt CANYON dank der zurückversetzten Leuchten-Ebene ein ruhiges Deckenbild. Die Profileuchte mit Rand kann dank verschiedener Längen und unterschiedlicher Abdeckungen, wie der Mikroprismatik oder dem Opal-Cover, universell verwendet werden. Die Farbwiedergabe der CANYON Einzelleuchte erreicht bis zu  $\text{CRI} \geq 90$  bei insgesamt drei möglichen Lichtfarben – 3000K, 4000K und Tunable White.

<b>Type</b>	
	60
<b>Mounting</b>	
	trim recessed
<b>Light distributions</b>	 
	opal      microprismatic ( $\text{UGR} \leq 19$ )

back



## CANYON 60

recessed offset with trim

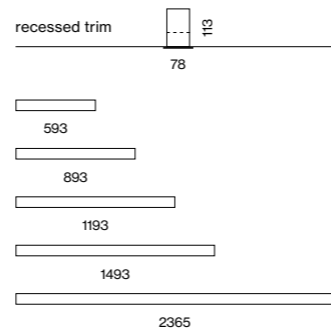
**EN** Luminaire housing made of extruded aluminium; uncluttered ceiling look through recessed lighting level; recessed luminaire with trim; suitable for ceiling thickness of 8-25mm; surface powder coated; luminaire profile for mounting available in advance; remaining luminaire components mounted without tools; light inset consisting of highly reflective coated extruded profile for improved thermal management; HPO (High Performance Opal) cover for uniform illumination; micro prismatic PMMA diffuser incl. diffuser film for homogeneous illumination and reduced luminance; energy-efficient LEDs with very good colour rendering

**DE** Leuchtenkörper aus Aluminiumstrangpressprofil; ruhiges Deckenbild durch zurückversetzte Leuchtenebene; Einbauleuchte mit umlaufendem Rand; geeignet für Deckenstärken von 8-25mm; Oberfläche pulverbeschichtet; Leuchtenprofil für Montage vorab lieferbar; restliche Leuchtenkomponenten werkzeuglos montierbar; Lichteinsatz bestehend aus hochreflektierend lackiertem Strangpressprofil für verbessertes Thermomanagement; HPO (High Performance Opal) Abdeckung für homogene Ausleuchtung; mikroprismatische PMMA-Abdeckung inkl. Diffusorfolie zur Reduktion der Leuchtdichte bei homogener Ausleuchtung; energieeffiziente LEDs mit sehr guter Farbwiedergabe

### Quickinfo

3000K, 4000K  
CRI ≥ 80, 3 SDCM  
up to 105lm/W  
L90 @ 50 000h  
non DIM, DALI-2  
opal, microprismatic

### Types



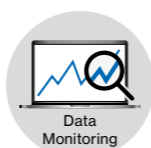
### Colours



### Light distributions



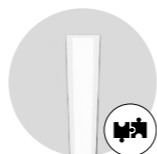
microp. opal



Data Monitoring  
DiiA® standards  
251, 252, 253



ball-impact-resistant



system solution  
(p.904)



glare control  
UGR ≤ 19



tunable white  
2700–6500K

### Order options

COLOUR TEMPERATURE	
3000K	5
4000K	6

CONTROL	
non DIM	1
DALI-2	3

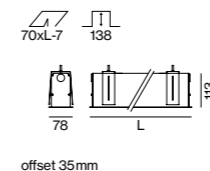
MATERIAL COLOUR	
<input type="radio"/> traffic white RAL 9016	7
<input checked="" type="radio"/> jet black RAL 9005	8

LIGHT OPTIC COVER	
opal high performance	H
microprismatic	Z

### Options on request

COLOUR RENDERING INDEX	
CRI ≥ 90	

COLOUR TEMPERATURE	
tunable white 2700–6500K	
DALI-2 DT8	



offset 35mm

### CANYON 60 trim offset



#### MID LUMEN

SYS. POWER	COLOUR TEMP.	LUM. FLUX	L (mm)	ORDER CODE
8.7W	3000K	760lm	593	0 5 2 - 5 2 L 2 :: 1 <input type="checkbox"/>
	4000K	804lm		
13W	3000K	1140lm	893	0 5 2 - 5 2 L 3 :: 1 <input type="checkbox"/>
	4000K	1210lm		
15.3W	3000K	1520lm	1193	0 5 2 - 5 2 L 4 :: 1 <input type="checkbox"/>
	4000K	1610lm		
19.2W	3000K	1900lm	1493	0 5 2 - 5 2 L 5 :: 1 <input type="checkbox"/>
	4000K	2010lm		
31W	3000K	3040lm	2365	0 5 2 - 5 2 L 8 :: 1 <input type="checkbox"/>
	4000K	3220lm		

#### HIGH LUMEN

SYS. POWER	COLOUR TEMP.	LUM. FLUX	L (mm)	ORDER CODE
13.8W	3000K	1260lm	593	0 5 2 - 5 2 M 2 :: <input type="checkbox"/>
	4000K	1330lm		
20.6W	3000K	1880lm	893	0 5 2 - 5 2 M 3 :: <input type="checkbox"/>
	4000K	2000lm		
27.5W	3000K	2510lm	1193	0 5 2 - 5 2 M 4 :: <input type="checkbox"/>
	4000K	2660lm		
34W	3000K	3140lm	1493	0 5 2 - 5 2 M 5 :: <input type="checkbox"/>
	4000K	3300lm		
55W	3000K	5030lm	2365	0 5 2 - 5 2 M 8 :: <input type="checkbox"/>
	4000K	5320lm		

**LUMINOUS FLUX** value calculated for  
CRI ≥ 80, colour white, cover opal  
microprismatic -9%

**Business-Quartier Sparkasse**  
Salzburg, AT – by OM/ARGE Neutor,  
Schabelreiter Architektur



# Define your profile

## MINO

**EN** The MINO single luminaire's character is multifaceted. It can be mounted on walls and ceilings as a surface-mounted version, but is also available as a suspended version. The variety continues in its optical details; in white, grey, and black, the luminaire can be selected with a colour rendering of up to  $\text{CRI} \geq 98$  XPECTRUM and in the light colours 3000K, 4000K, or Tunable White. MINO optionally also comes with a microprismatic cover for ideal work light or with an opal cover for homogeneous room illumination.

**DE** Facettenreichtum zeichnet die MINO Einzelleuchte aus. Als Anbauvariante kann sie an Wänden und Decken montiert werden, sie ist aber auch in abgehängter Version verfügbar. Die Vielfalt setzt sich auch bei den optischen Details fort: in Weiß, Grau und Schwarz kann die Leuchte mit einer Farbwiedergabe von bis zu  $\text{CRI} \geq 98$  XPECTRUM und in den Lichtfarben 3000K, 4000K oder als Tunable White Variante gewählt werden. Ergänzend kann MINO mit einer mikroprismatischen Abdeckung für ideales Arbeitslicht oder mit Opal-Cover für eine homogene Raumausleuchtung gewählt werden.

### Types

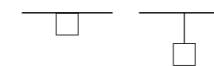


40

60

100

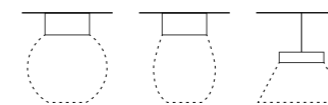
### Mountings



surface

suspended

### Light distributions



opal

microprismatic  
( $\text{UGR} \leq 19$ )

direct



back



## MINO 40

surface

<sup>EN</sup> Luminaire housing from extruded aluminium profile, angular design; no visible screws; surface powder coated; luminaire profile can be pre-mounted; remaining luminaire components mounted without tools; light inset consisting of highly reflective coated extruded profile for improved thermal management; HPO (High Performance Opal) cover for uniform illumination; energy-efficient LEDs with very good colour rendering

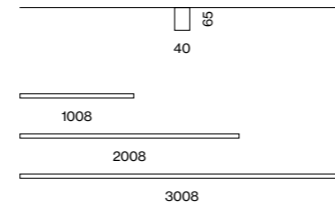
<sup>DE</sup> Leuchtenkörper aus Aluminiumstrangpressprofil, kantige Ausführung; keine sichtbaren Schrauben; Oberfläche pulverbeschichtet; Leuchtenprofil vorab montierbar; restliche Leuchtenkomponenten werkzeuglos montierbar; Lichteinsatz bestehend aus hochreflektierend lackiertem Strangpressprofil für verbessertes Thermomanagement; HPO (High Performance Opal) Abdeckung für homogene Ausleuchtung; energieeffiziente LEDs mit sehr guter Farbwiedergabe

### Quickinfo

3000K, 4000K  
CRI ≥ 90, 3 SDCM  
up to 102lm/W  
L90 @ 50 000h  
DALI-2  
opal

### Types

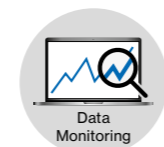
surface



### Colours



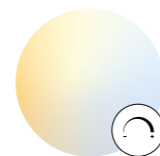
### Light distribution



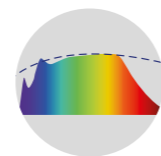
DiiA® standards  
251, 252, 253



system  
solution (p. 912)



tunable white  
2700–6500 K



CRI ≥ 98  
XPECTRUM

### Order options

COLOUR TEMPERATURE	
3000K	0
4000K	1

### CONTROL

DALI-2

### MATERIAL COLOUR

<input type="radio"/> pure white RAL 9010	7
<input type="radio"/> white aluminium RAL 9006	G
<input checked="" type="radio"/> jet black RAL 9005	8

### LIGHT OPTIC COVER

opal high performance

### Options on request

#### COLOUR RENDERING INDEX

CRI ≥ 98 XPECTRUM

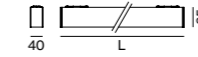
#### COLOUR TEMPERATURE

tunable white 2700–6500 K

DALI-2 DT8

#### LIGHT OPTIC COVER

microprismatic



### MINO 40 surface



#### MID LUMEN

SYS. POWER	COLOUR TEMP.	LUM. FLUX	L (mm)	ORDER CODE
15.3W	3000K	1480lm	1008	0 4 2 - 1 1 1 2 :: 3 H
	4000K	1560lm		
30.5W	3000K	2950lm	2008	0 4 2 - 1 1 1 4 :: 3 H
	4000K	3120lm		
46W	3000K	4420lm	3008	0 4 2 - 1 1 1 6 :: 3 H
	4000K	4680lm		

#### HIGH LUMEN

SYS. POWER	COLOUR TEMP.	LUM. FLUX	L (mm)	ORDER CODE
22.9W	3000K	2210lm	1008	0 4 2 - 1 1 2 2 :: 3 H
	4000K	2340lm		
46W	3000K	4420lm	2008	0 4 2 - 1 1 2 4 :: 3 H
	4000K	4680lm		
69W	3000K	6630lm	3008	0 4 2 - 1 1 2 6 :: 3 H
	4000K	7020lm		

**LUMINOUS FLUX** value calculated for  
CRI ≥ 90, colour white, cover opal

[← back](#)


## MINO 40

suspended

**EN** Luminaire housing from extruded aluminium profile, angular design; no visible screws; surface powder coated; luminaire profile can be pre-mounted; remaining luminaire components mounted without tools; pendant fitting with cable suspension; height adjustment without tools; incl. transparent feed; light inset consisting of highly reflective coated extruded profile for improved thermal management; HPO (High Performance Opal) cover for uniform illumination; energy-efficient LEDs with very good colour rendering

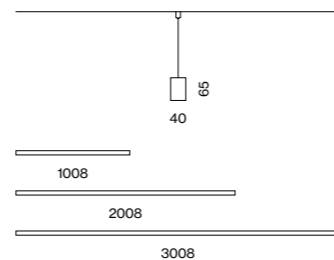
**DE** Leuchtenkörper aus Aluminiumstrangpressprofil, kantige Ausführung; keine sichtbaren Schrauben; Oberfläche pulverbeschichtet; Leuchtenprofil vorab montierbar; restliche Leuchtenkomponenten werkzeuglos montierbar; abgependelt mit Seilabhängung; werkzeuglose Höhenverstellung; inkl. transparenter Einspeiseleitung; Lichteinsatz bestehend aus hochreflektierend lackiertem Strangpressprofil für verbessertes Thermomanagement; HPO (High Performance Opal) Abdeckung für homogene Ausleuchtung; energieeffiziente LEDs mit sehr guter Farbwiedergabe

### Quickinfo

3000K, 4000K  
CRI ≥ 90, 3 SDCM  
up to 102lm/W  
L90 @ 50 000h  
DALI-2  
opal

### Types

suspended



### Colours



### Light distribution



direct

### Order options

COLOUR TEMPERATURE	
3000K	0
4000K	1

### CONTROL

DALI-2

### MATERIAL COLOUR

<input type="radio"/> pure white RAL 9010	7
<input type="radio"/> white aluminium RAL 9006	G
<input type="radio"/> jet black RAL 9005	8

### LIGHT OPTIC COVER

opal high performance

### Options on request

#### COLOUR RENDERING INDEX

CRI ≥ 98 XPECTRUM

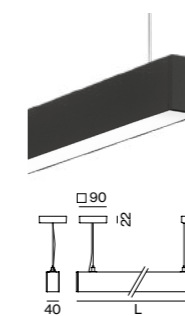
#### COLOUR TEMPERATURE

tunable white 2700–6500 K

DALI-2 DT8

#### LIGHT OPTIC COVER

microprismatic



### MINO 40 suspended

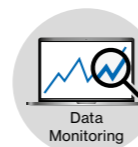


#### MID LUMEN

SYS. POWER	COLOUR TEMP.	LUM. FLUX	L (mm)	ORDER CODE
15.3W	3000K	1480lm	1008	0 4 2 - 1 2 1 2 :: 3 H
	4000K	1560lm		
30.5W	3000K	2950lm	2008	0 4 2 - 1 2 1 4 :: 3 H
	4000K	3120lm		
46W	3000K	4420lm	3008	0 4 2 - 1 2 1 6 :: 3 H
	4000K	4680lm		

#### HIGH LUMEN

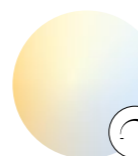
SYS. POWER	COLOUR TEMP.	LUM. FLUX	L (mm)	ORDER CODE
22.9W	3000K	2210lm	1008	0 4 2 - 1 2 2 2 :: 3 H
	4000K	2340lm		
46W	3000K	4420lm	2008	0 4 2 - 1 2 2 4 :: 3 H
	4000K	4680lm		
69W	3000K	6630lm	3008	0 4 2 - 1 2 2 6 :: 3 H
	4000K	7030lm		



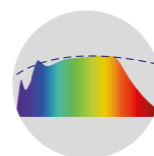
DiiA® standards  
251, 252, 253



system  
solution (p. 912)



tunable white  
2700–6500 K



CRI ≥ 98  
XPECTRUM

**LUMINOUS FLUX** value calculated for  
CRI ≥ 90, colour white, cover opal

**Sparkasse Lienz, AT –**  
by DI Matthias Viehhauser





**MME**  
Zug, CH –  
by Büronauten AG



**Sparkasse, Bank**  
Nuremberg, DE –  
by baum-kappler architekten



[← back](#)


## MINO 60

surface

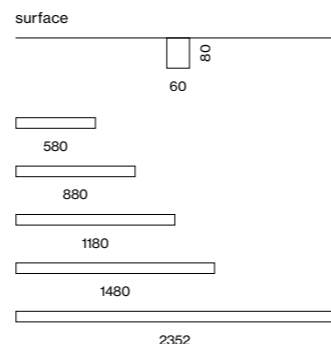
**EN** Luminaire housing from extruded aluminium profile, angular design; no visible screws; surface powder coated; luminaire profile for mounting available in advance; remaining luminaire components mounted without tools; light inset consisting of highly reflective coated extruded profile for improved thermal management; HPO (High Performance Opal) cover for uniform illumination; micro prismatic PMMA diffuser incl. diffuser film for homogeneous illumination and reduced luminance; energy-efficient LEDs with very good colour rendering

**DE** Leuchtenkörper aus Aluminiumstrangpressprofil, kantige Ausführung; keine sichtbaren Schrauben; Oberfläche pulverbeschichtet; Leuchtenprofil für Montage vorab lieferbar; restliche Leuchtenkomponenten werkzeuglos montierbar; Lichteinsatz bestehend aus hochreflektierend lackiertem Strangpressprofil für verbessertes Thermomanagement; HPO (High Performance Opal) Abdeckung für homogene Ausleuchtung; mikroprismatische PMMA-Abdeckung inkl. Diffusorfolie zur Reduktion der Leuchtdichte bei homogener Ausleuchtung; energieeffiziente LEDs mit sehr guter Farbwiedergabe

### Quickinfo

3000K, 4000K  
 CRI ≥ 80, 3 SDCM  
 up to 125lm/W  
 L90 @ 50 000h  
 non DIM, DALI-2  
 opal, microprismatic (UGR ≤ 19)

### Types



### Colours



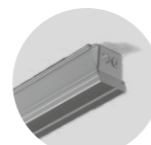
### Light distribution



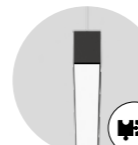
direct



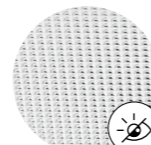
DiiA® standards  
251, 252, 253



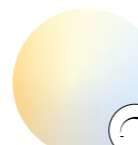
concrete install.  
housing (p.946)



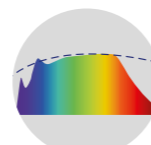
system  
solution (p.914)



microprismatic  
UGR ≤ 19



tunable white  
2700–6500K



CRI ≥ 98  
XPECTRUM

### Order options

COLOUR TEMPERATURE	
3000K	5
4000K	6

CONTROL	
non DIM	1
DALI-2	3

MATERIAL COLOUR	
○ pure white RAL 9010	7
● white aluminium RAL 9006	G
● jet black RAL 9005	8

LIGHT OPTIC COVER	
opal high performance	H
microprismatic	Z
microprismatic (UGR ≤ 19)*	G

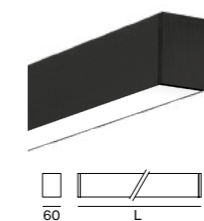
\*UGR ≤ 19 only with mid lumen

### Options on request

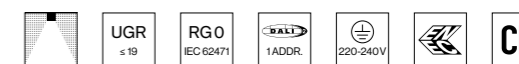
COLOUR RENDERING INDEX	
CRI ≥ 90	
CRI ≥ 98 XPECTRUM	

COLOUR TEMPERATURE	
tunable white 2700–6500K	
DALI-2 DT8	

INDIVIDUAL MATERIAL COLOUR	
● MINO 60 ceiling system	



### MINO 60 surface



#### MID LUMEN

SYS. POWER	COLOUR TEMP.	LUM. FLUX	L (mm)	ORDER CODE
8.7W	3000K	902lm	580	0 4 6 - 4 1 L 2 :: 1 ▣
	4000K	955lm		
13W	3000K	1350lm	880	0 4 6 - 4 1 L 3 :: 1 ▣
	4000K	1430lm		
15.3W	3000K	1800lm	1180	0 4 6 - 4 1 L 4 :: 1 ▣
	4000K	1910lm		
19.2W	3000K	2250lm	1480	0 4 6 - 4 1 L 5 :: 1 ▣
	4000K	2390lm		
31W	3000K	3610lm	2352	0 4 6 - 4 1 L 8 :: 1 ▣
	4000K	3820lm		

#### HIGH LUMEN

SYS. POWER	COLOUR TEMP.	LUM. FLUX	L (mm)	ORDER CODE
13.8W	3000K	1490lm	580	0 4 6 - 4 1 M 2 :: ▣ ▣
	4000K	1580lm		
20.6W	3000K	2240lm	880	0 4 6 - 4 1 M 3 :: ▣ ▣
	4000K	2370lm		
27.5W	3000K	2980lm	1180	0 4 6 - 4 1 M 4 :: ▣ ▣
	4000K	3160lm		
34W	3000K	3730lm	1480	0 4 6 - 4 1 M 5 :: ▣ ▣
	4000K	3950lm		
55W	3000K	5970lm	2352	0 4 6 - 4 1 M 8 :: ▣ ▣
	4000K	6320lm		

**LUMINOUS FLUX** value calculated for  
 CRI ≥ 80, colour white, cover opal  
 microprism. Z -13%, microprism. G -15%

**Aros Forsikring-Mutual Insurance**  
Viby J, DK – lighting design by  
anker & co



← back



# MINO 60

suspended

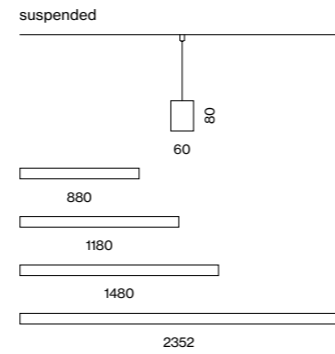
**EN** Luminaire housing from extruded aluminium profile, angular design; no visible screws; surface powder coated; luminaire profile for mounting available in advance; remaining components mounted without tools; pendant fitting with cable suspension; with integrated tool-less suspension height adjustment; spring clip attachment to the luminaire; freely positionable; with transparent feeder cable; light inset consisting of highly reflective coated extruded profile for improved thermal management; HPO (High Performance Opal) cover for uniform illumination; micro prismatic PMMA diffuser incl. diffuser film for homogeneous illumination and reduced luminance; energy-eff. LEDs – very good colour rendering

**DE** Leuchtenkörper aus Aluminiumstrangpressprofil, kantige Ausführung; keine sichtbaren Schrauben; Oberfläche pulverbeschichtet; Leuchtenprofil für Montage vorab lieferbar; restl. Komponenten werkzeuglos montierbar; abgependelt mit Seilabhängung; werkzeuglose Höhenverstellung an der Leuchte; Befestigung an der Leuchte mittels Federclips; frei positionierbar; inkl. transp. Einspeiseleitung; Lichteinsatz bestehend aus hochreflektierend lackiertem Strangpressprofil für verbessertes Thermomanagement; HPO (High Performance Opal) Abdeckung für homogene Ausleuchtung; mikroprismatische PMMA-Abdeckung inkl. Diffusorfolie zur Reduktion der Leuchtdichte bei homogener Ausleuchtung; energieeff. LEDs – sehr gute Farbwiedergabe

## Quickinfo

3000K, 4000K  
 CRI ≥ 80, 3 SDCM  
 up to 125lm/W  
 L90 @ 50 000h  
 non DIM, DALI-2  
 opal, microprismatic (UGR ≤ 19)

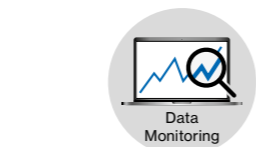
## Types



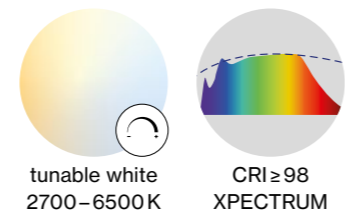
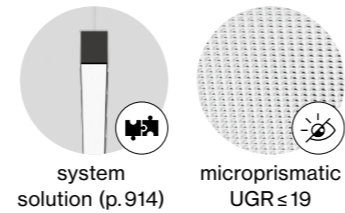
## Colours



## Light distribution



DiiA® standards  
 251, 252, 253



## Order options

COLOUR TEMPERATURE	
3000K	5
4000K	6

CONTROL	
non DIM	1
DALI-2	3

MATERIAL COLOUR	
○ pure white RAL 9010	7
● white aluminium RAL 9006	G
● jet black RAL 9005	8

LIGHT OPTIC COVER	
opal high performance	H
microprismatic	Z
microprismatic (UGR ≤ 19)*	G

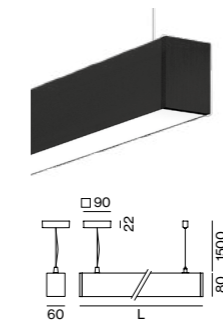
\*UGR ≤ 19 only with mid lumen

## Options on request

COLOUR RENDERING INDEX	
CRI ≥ 90	
CRI ≥ 98 XPECTRUM	

COLOUR TEMPERATURE	
tunable white 2700–6500K	
DALI-2 DT8	

INDIVIDUAL MATERIAL COLOUR	
● MINO 60 suspended system	



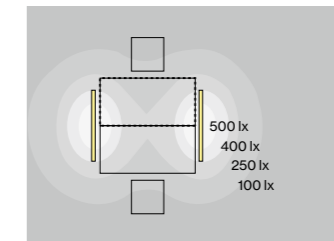
## MINO 60 suspended



MID LUMEN				
SYS. POWER	COLOUR TEMP.	LUM. FLUX	L (mm)	ORDER CODE
13W	3000K	1350lm	880	0 4 6 - 4 2 L 3 :: 1 ▣ □
	4000K	1430lm		
15.3W	3000K	1800lm	1180	0 4 6 - 4 2 L 4 :: 1 ▣ □
	4000K	1910lm		
19.2W	3000K	2250lm	1480	0 4 6 - 4 2 L 5 :: 1 ▣ □
	4000K	2390lm		
31W	3000K	3610lm	2352	0 4 6 - 4 2 L 8 :: 1 ▣ □
	4000K	3820lm		

HIGH LUMEN				
SYS. POWER	COLOUR TEMP.	LUM. FLUX	L (mm)	ORDER CODE
20.6W	3000K	2240lm	880	0 4 6 - 4 2 M 3 :: ▣ ▣ □
	4000K	2370lm		
27.5W	3000K	2980lm	1180	0 4 6 - 4 2 M 4 :: ▣ ▣ □
	4000K	3160lm		
34W	3000K	3730lm	1480	0 4 6 - 4 2 M 5 :: ▣ ▣ □
	4000K	3950lm		
55W	3000K	5970lm	2352	0 4 6 - 4 2 M 8 :: ▣ ▣ □
	4000K	6320lm		

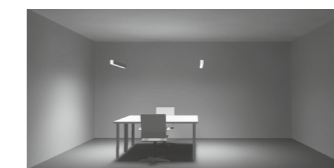
## Technical data



**MINO 60** suspended, 15.3W, 4000 K, direct

ROOM VALUES	
Room dimensions	5.4 × 4 × 2.8m
Reflection factor	0.7   0.5   0.2
Maintenance factor	0.8
Suspension height	2.25m

CALCULATION SURFACE	
Surface dimensions	1.6 × 0.8m
Surface height	0.75m
Average illuminance (E <sub>av</sub> )	> 500lx
Uniformity (U <sub>0</sub> )	> 0.6



GLARE EVALUATION	
Table Classification X=4H   Y=8H   S=0.25H	
UGR transversal	≤ 19
UGR axial	≤ 19

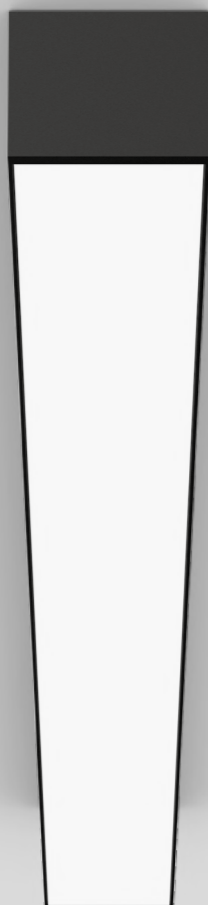
**LUMINOUS FLUX** value calculated for CRI ≥ 80, colour white, cover opal microprism. Z -13%, microprism. G -15%



**HeidelbergCement AG** Heidelberg, DE –  
by Albert Speer + Partner Architekten with  
lighting design by Hailight Lichtplanung,  
Andreas Haidegger



← back



# MINO 100

surface

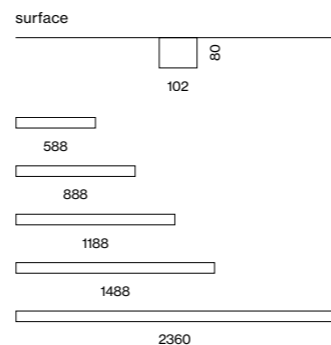
**EN** Luminaire housing from extruded aluminium profile, angular design; no visible screws; surface powder coated; luminaire profile for mounting available in advance; remaining luminaire components mounted without tools; light inset consisting of highly reflective coated extruded profile for improved thermal management; HPO (High Performance Opal) cover for uniform illumination; micro prismatic PMMA diffuser incl. diffuser film for homogeneous illumination and reduced luminance; energy-efficient LEDs with very good colour rendering

**DE** Leuchtenkörper aus Aluminiumstrangpressprofil, kantige Ausführung; keine sichtbaren Schrauben; Oberfläche pulverbeschichtet; Leuchtenprofil für Montage vorab lieferbar; restliche Leuchtenkomponenten werkzeuglos montierbar; Lichteinsatz bestehend aus hochreflektierend lackiertem Strangpressprofil für verbessertes Thermomanagement; HPO (High Performance Opal) Abdeckung für homogene Ausleuchtung; mikroprismatische PMMA-Abdeckung inkl. Diffusorfolie zur Reduktion der Leuchtdichte bei homogener Ausleuchtung; energieeffiziente LEDs mit sehr guter Farbwiedergabe

## Quickinfo

3000K, 4000K  
 CRI ≥ 80, 3 SDCM  
 UGR ≤ 19 / 65° ≤ 3000 cd/m²  
 up to 7070 lm  
 up to 140 lm/W  
 L90 @ 50 000h  
 non DIM, DALI-2  
 opal, microprismatic (UGR ≤ 19)

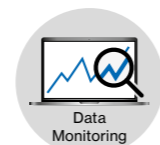
## Types



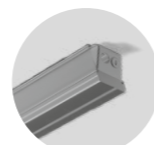
## Colours



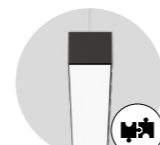
## Light distribution



DiiA® standards  
251, 252, 253



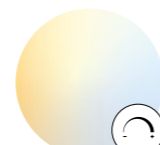
concrete install.  
housing (p. 946)



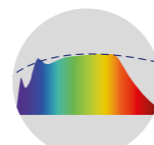
system  
solution (p. 928)



DIN EN 12464-1  
UGR ≤ 19



tunable white  
2700–6500K



CRI ≥ 98  
XPECTRUM

## Order options

COLOUR TEMPERATURE	
3000K	5
4000K	6

CONTROL	
non DIM	1
DALI-2	3

MATERIAL COLOUR	
○ pure white RAL 9010	7
● white aluminium RAL 9006	G
● jet black RAL 9005	8

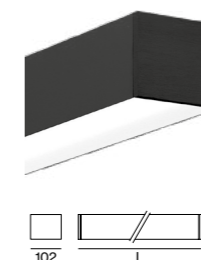
LIGHT OPTIC COVER	
opal high performance	H
microprismatic	Z
microprismatic (UGR ≤ 19)	G

## Options on request

COLOUR RENDERING INDEX	
CRI ≥ 90	
CRI ≥ 98 XPECTRUM	

COLOUR TEMPERATURE	
tunable white 2700–6500K	
DALI-2 DT8	

INDIVIDUAL MATERIAL COLOUR	
● MINO 100 ceiling system	



## MINO 100 surface

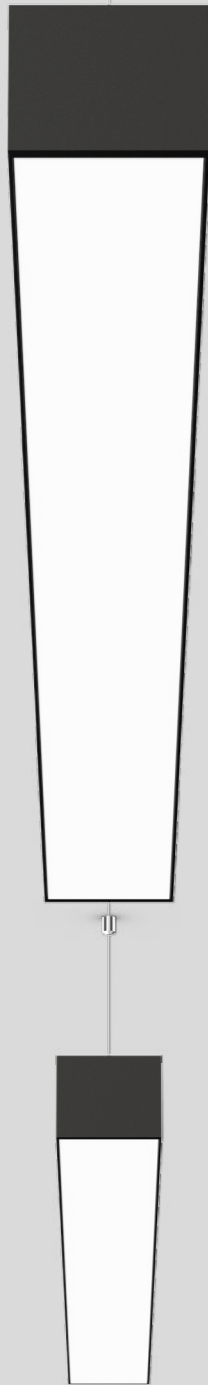


MID LUMEN				
SYS. POWER	COLOUR TEMP.	LUM. FLUX	L (mm)	ORDER CODE
8.7W	3000K	1010lm	588	0 5 6 - 4 1 L 2 :: 1 ▣
	4000K	1070lm		
13W	3000K	1520lm	888	0 5 6 - 4 1 L 3 :: 1 ▣
	4000K	1600lm		
15.3W	3000K	2020lm	1188	0 5 6 - 4 1 L 4 :: 1 ▣
	4000K	2140lm		
19.2W	3000K	2530lm	1488	0 5 6 - 4 1 L 5 :: 1 ▣
	4000K	2670lm		
31W	3000K	4040lm	2360	0 5 6 - 4 1 L 8 :: 1 ▣
	4000K	4280lm		

HIGH LUMEN				
SYS. POWER	COLOUR TEMP.	LUM. FLUX	L (mm)	ORDER CODE
13.8W	3000K	1670lm	588	0 5 6 - 4 1 M 2 :: ▣ ▣
	4000K	1770lm		
20.6W	3000K	2510lm	888	0 5 6 - 4 1 M 3 :: ▣ ▣
	4000K	2650lm		
27.5W	3000K	3340lm	1188	0 5 6 - 4 1 M 4 :: ▣ ▣
	4000K	3540lm		
34W	3000K	4180lm	1488	0 5 6 - 4 1 M 5 :: ▣ ▣
	4000K	4420lm		
55W	3000K	6680lm	2360	0 5 6 - 4 1 M 8 :: ▣ ▣
	4000K	7070lm		

**LUMINOUS FLUX** value calculated for CRI ≥ 80, colour white, cover opal microprism. Z -8%, microprism. G -10%

← back



# MINO 100

suspended

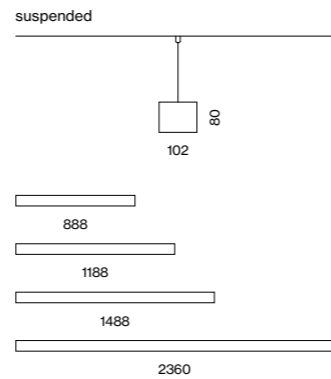
**EN** Luminaire housing from extruded aluminium profile, angular design; no visible screws; surface powder coated; luminaire profile for mounting available in advance; remaining components mounted without tools; pendant fitting with cable suspension; with integrated tool-less suspension height adjustment; spring clip attachment to the luminaire; freely positionable; with transparent feeder cable; light inset consisting of highly reflective coated extruded profile for improved thermal management; HPO (High Performance Opal) cover for uniform illumination; micro prismatic PMMA diffuser incl. diffuser film for homogeneous illumination and reduced luminance; energy-eff. LEDs – very good colour rendering

**DE** Leuchtenkörper aus Aluminiumstrangpressprofil, kantige Ausführung; keine sichtbaren Schrauben; Oberfläche pulverbeschichtet; Leuchtenprofil für Montage vorab lieferbar; restl. Komponenten werkzeuglos montierbar; abgependelt mit Seilabhängung; werkzeuglose Höhenverstellung an der Leuchte; Befestigung an der Leuchte mittels Federclips; frei positionierbar; inkl. transp. Einspeiseleitung; Lichteinsatz bestehend aus hochreflektierend lackiertem Strangpressprofil für verbessertes Thermomanagement; HPO (High Performance Opal) Abdeckung für homogene Ausleuchtung; mikroprismatische PMMA-Abdeckung inkl. Diffusorfolie zur Reduktion der Leuchtdichte bei homogener Ausleuchtung; energieeff. LEDs – sehr gute Farbwiedergabe

## Quickinfo

3000K, 4000K  
 CRI ≥ 80, 3 SDCM  
 UGR ≤ 19 / 65° ≤ 3000 cd/m²  
 up to 140 lm/W  
 L90 @ 50 000h  
 non DIM, DALI-2  
 opal, microprismatic (UGR ≤ 19)

## Types



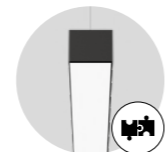
## Colours



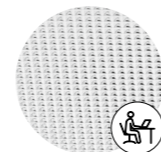
## Light distribution



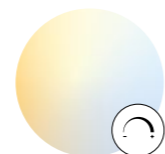
DiiA® standards  
 251, 252, 253



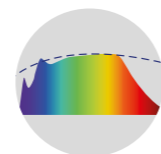
system  
 solution (p.928)



DIN EN 12464-1  
 UGR ≤ 19



tunable white  
 2700–6500K



CRI ≥ 98  
 XPECTRUM

## Order options

COLOUR TEMPERATURE	
3000K	5
4000K	6

CONTROL	
non DIM	1
DALI-2	3

MATERIAL COLOUR	
○ pure white RAL 9010	7
● white aluminium RAL 9006	G
● jet black RAL 9005	8

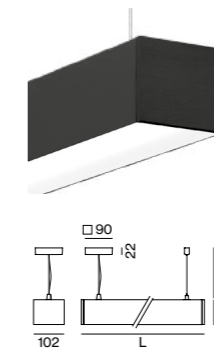
LIGHT OPTIC COVER	
opal high performance	H
microprismatic	Z
microprismatic (UGR ≤ 19)	G

## Options on request

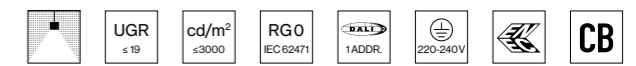
COLOUR RENDERING INDEX	
CRI ≥ 90	
CRI ≥ 98 XPECTRUM	

COLOUR TEMPERATURE	
tunable white 2700–6500K	
DALI-2 DT8	

INDIVIDUAL MATERIAL COLOUR	
● MINO 100 suspended system	



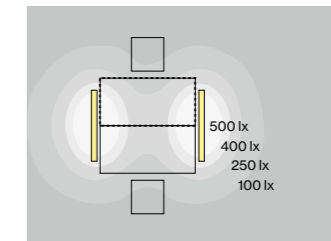
## MINO 100 suspended



SYS. POWER	COLOUR TEMP.	LUM. FLUX	L (mm)	ORDER CODE
13W	3000K	1520lm	888	056-42L3::1
	4000K	1600lm		
15.3W	3000K	2020lm	1188	056-42L4::1
	4000K	2140lm		
19.2W	3000K	2530lm	1488	056-42L5::1
	4000K	2670lm		
31W	3000K	4040lm	2360	056-42L8::1
	4000K	4280lm		

SYS. POWER	COLOUR TEMP.	LUM. FLUX	L (mm)	ORDER CODE
20.6W	3000K	2510lm	888	056-42M3::1
	4000K	2650lm		
27.5W	3000K	3340lm	1188	056-42M4::1
	4000K	3540lm		
34W	3000K	4180lm	1488	056-42M5::1
	4000K	4420lm		
55W	3000K	6680lm	2360	056-42M8::1
	4000K	7070lm		

## Technical data



MINO 100 suspended, 15.3W, 4000K, direct

ROOM VALUES	
Room dimensions	5.4 × 4 × 2.8m
Reflection factor	0.7   0.5   0.2
Maintenance factor	0.8
Suspension height	2.25m

CALCULATION SURFACE	
Surface dimensions	1.6 × 0.8m
Surface height	0.75m
Average illuminance (E <sub>av</sub> )	> 500 lx
Uniformity (U <sub>0</sub> )	> 0.6



GLARE EVALUATION	
Table Classification X=4H   Y=8H   S=0.25H	
UGR transversal	≤ 19
UGR axial	≤ 19
≥ 65° ≤ 3000 cd/m²	

LUMINOUS FLUX value calculated for CRI ≥ 80, colour white, cover opal microprism. Z -8%, microprism. G -10%

# Outside with profile



## BASO IP54

**EN** BASO IP54 is a powerful profile luminaire that has been specially adapted to demanding environmental conditions: from public outdoor areas to wet rooms. It has increased dust and insect protection (IP54). BASO IP54 is available as a single luminaire or as a system variant. It is easy to install and suitable for recessed or surface fitting as well as for wall or ceiling mounting. An opal cover delivers homogeneous basic illumination. The luminaire has a colour rendering of up to  $\text{CRI} \geq 98$  XPECTRUM and can be selected with a dark grey or white housing and in two light colours (3000K and 4000K).

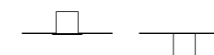
**DE** BASO IP54 ist eine leistungsstarke Profilleuchte, die speziell an fordernde Umgebungsbedingungen angepasst wurde: von öffentlichen Outdoor-Bereichen bis hin zu Nassräumen. Zudem verfügt sie über einen erhöhten Staub- und Insektenschutz (IP54). BASO IP54 ist als Einzelleuchte oder als Systemvariante verfügbar, einfach zu montieren und sowohl für Ein- oder Anbau als auch für Wand- oder Deckenmontage geeignet. Eine Opal-Abdeckung sorgt für homogene Grundausleuchtung. Außerdem verfügt die Leuchte über eine Farbwiedergabe von bis zu  $\text{CRI} \geq 98$  XPECTRUM und kann mit dunkelgrauem oder weißem Gehäuse sowie in zwei Lichtfarben (3000K und 4000K) gewählt werden.

### Type



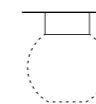
60

### Mountings

trim  
recessed

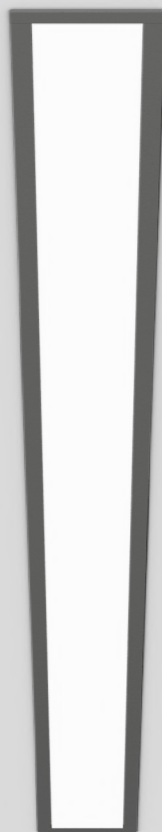
surface

### Light distribution



opal

← back



## BASO 60 IP54

recessed with trim

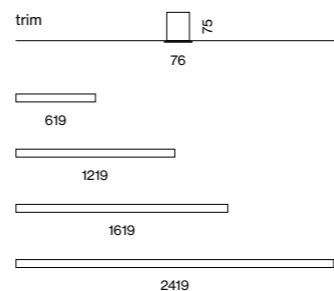
**EN** Luminaire housing made of extruded aluminium; recessed luminaire with trim; suitable for ceiling thickness of 8-20 mm; surface powder coated; suitable for wall or ceiling mounting; luminaire profile (end caps come pre-assembled) can be pre-mounted; remaining luminaire components mounted without tools; closed light insert made of PMMA, consisting of converter unit and circuit board unit; light inset with screwed-on, thus maintenance-friendly, transparent end cap in PMMA; HPO (High Performance Opal) cover for uniform illumination; energy-efficient LEDs with very good colour rendering; IP67 socket connector system for easy and sealed electrical connection

**DE** Leuchtenkörper aus Aluminiumstrangpressprofil; Einbauleuchte mit umlaufendem Rand; geeignet für Deckenstärken von 8-20 mm; Oberfläche pulverbeschichtet; geeignet für Wand- oder Deckenmontage; Leuchtenprofil (Enddeckel werkseitig vormontiert) vorab montierbar; restliche Leuchtenkomponenten werkzeuglos montierbar; geschlossener Lichteinsatz aus PMMA, bestehend aus Konvertereinheit und Platineneinheit; Lichteinsatz mit verschraubtem, dadurch wartungsfreundlichen, transparenten PMMA Enddeckel; HPO (High Performance Opal) Abdeckung für homogene Ausleuchtung; energieeffiziente LEDs mit sehr guter Farbwiedergabe; IP67-Buchsen-Steckersystem für dichten elektrischen Anschluss

### Quickinfo

3000K, 4000K  
 CRI ≥ 80, 3 SDCM  
 up to 125lm/W  
 L90 @ 50 000h  
 DALI-2  
 opal, IP 54

### Types



### Colours



### Light distribution



direct

### Order options

#### IP RATING

IP54

#### COLOUR TEMPERATURE

3000K	5
4000K	6

#### CONTROL

DALI-2

#### MATERIAL COLOUR

<input type="radio"/> traffic white RAL 9016	7
<input checked="" type="radio"/> umbra grey RAL 7022	D

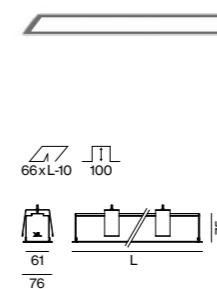
#### LIGHT OPTIC COVER

opal high performance

### Options on request

#### COLOUR RENDERING INDEX

CRI ≥ 90
CRI ≥ 98 XPECTRUM



### BASO 60 trim



#### IP 54 LUMINAIRE

SYS. POWER	COLOUR TEMP.	LUM. FLUX	L (mm)	ORDER CODE
11.2W	3000K	1320lm	619	8 4 5 - 3 5 2 2 :: 3 H
22.4W	4000K	1400lm		8 4 5 - 3 5 2 4 :: 3 H
29.9W	3000K	2640lm	1219	8 4 5 - 3 5 2 4 :: 3 H
	4000K	2790lm		8 4 5 - 3 5 2 5 :: 3 H
45W	3000K	3530lm	1619	8 4 5 - 3 5 2 5 :: 3 H
	4000K	3720lm		8 4 5 - 3 5 2 8 :: 3 H
	3000K	5290lm	2419	8 4 5 - 3 5 2 8 :: 3 H
	4000K	5590lm		8 4 5 - 3 5 2 8 :: 3 H

### Mounting accessories

#### CONCRETE INSTALLATION HOUSING

L-W-H (mm)	ORDER CODE
662-75-88	0 4 5 - 3 5 9 2 0 1 0
1262-75-88	0 4 5 - 3 5 9 4 0 1 0
1662-75-88	0 4 5 - 3 5 9 5 0 1 0
2462-75-88	0 4 5 - 3 5 9 8 0 1 0

quick installation

system solution (p.936)

dust & splash water protection (IP54)

CRI ≥ 98 XPECTRUM

**LUMINOUS FLUX** value calculated for CRI ≥ 80, colour white, cover opal

**Private Residence Plane House**  
Skiathos, GR – by K-Studio



**ÖBB passage** Graz, AT –  
by skyline architekten ZT gmbh with lighting design  
by ESC engineering Service & Consulting kg



← back



## BASO 60 IP54

surface

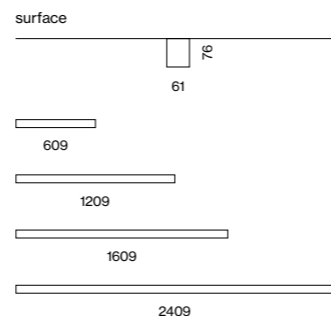
**EN** Luminaire housing from extruded aluminium profile, angular design; light-tight end caps in aluminium, no visible screws; surface powder coated; suitable for wall or ceiling mounting; luminaire profile (end caps come pre-assembled) can be pre-mounted; remaining luminaire components mounted without tools; closed light insert made of PMMA, consisting of converter unit and circuit board unit; light inset with screwed-on, thus maintenance-friendly, transparent end cap in PMMA; HPO (High Performance Opal) cover for uniform illumination; energy-efficient LEDs with very good colour rendering; IP67 socket connector system for easy and sealed electrical connection

**DE** Leuchtenkörper aus Aluminiumstrangpressprofil, kantige Ausführung; lichtdicht abschließende Enddeckel aus Aluminium, keine sichtbaren Schrauben; Oberfläche pulverbeschichtet; geeignet für Wand- oder Deckenmontage; Leuchtenprofil (Enddeckel werkseitig vormontiert) vorab montierbar; restliche Leuchtenkomponenten werkzeuglos montierbar; geschlossener Lichteinsatz aus PMMA, bestehend aus Konvertereinheit und Platineneinheit; Lichteinsatz mit verschraubtem, dadurch wartungsfreundlichen, transparenten PMMA Enddeckel; HPO (High Performance Opal) Abdeckung für homogene Ausleuchtung; energieeffiziente LEDs mit sehr guter Farbwiedergabe; IP67-Buchsen-Stecker-system für dichten elektrischen Anschluss

### Quickinfo

3000K, 4000K  
 CRI ≥ 80, 3 SDCM  
 up to 125lm/W  
 L90 @ 50 000h  
 DALI-2  
 opal, IP 54

### Types



### Colours



### Light distribution



### Order options

#### IP RATING

IP54

#### COLOUR TEMPERATURE

3000K	5
4000K	6

#### CONTROL

DALI-2

#### MATERIAL COLOUR

- traffic white RAL 9016 7
- umbra grey RAL 7022 D

#### LIGHT OPTIC COVER

opal high performance

### Options on request

#### COLOUR RENDERING INDEX

CRI ≥ 90  
 CRI ≥ 98 XPECTRUM

#### MOUNTING

concrete installation housing



### BASO 60 surface



#### IP 54 LUMINAIRE

SYS. POWER	COLOUR TEMP.	LUM. FLUX	L (mm)	ORDER CODE
11.2W	3000K	1320lm	609	8 4 5 - 4 1 2 2 :: 3 H
	4000K	1400lm		
22.4W	3000K	2640lm	1209	8 4 5 - 4 1 2 4 :: 3 H
	4000K	2790lm		
29.9W	3000K	3530lm	1609	8 4 5 - 4 1 2 5 :: 3 H
	4000K	3720lm		
45W	3000K	5290lm	2409	8 4 5 - 4 1 2 8 :: 3 H
	4000K	5590lm		

quick installation

system solution (p.940)

dust & splash water protection (IP54)

CRI ≥ 98 XPECTRUM

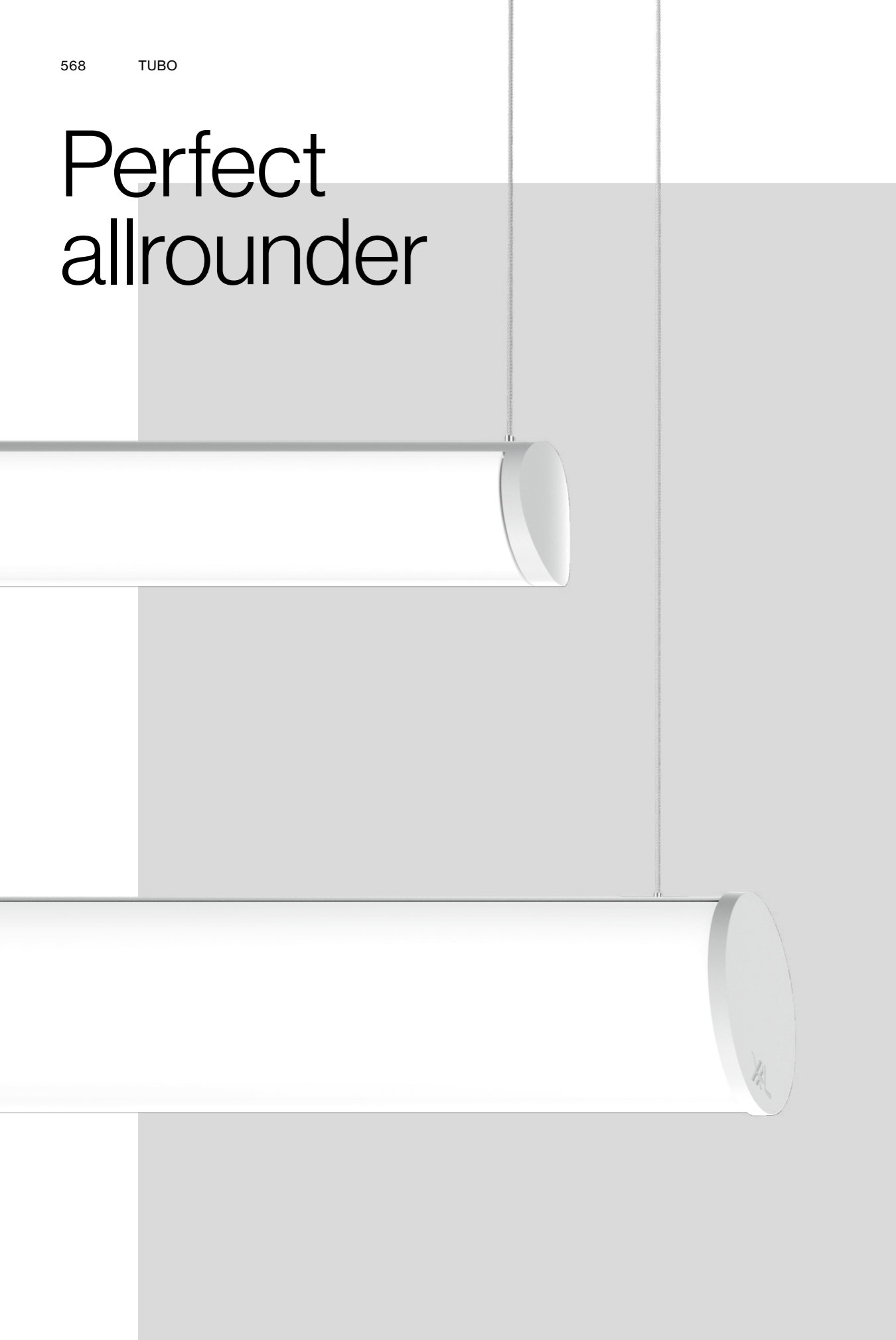
**LUMINOUS FLUX** value calculated for CRI ≥ 80, colour white, cover opal



University Research Institute  
Ulm, DE – by bizer architekten



# Perfect allrounder



## TUBO

**EN** TUBO places no limits on creativity. Thanks to the height-adjustable cable suspension, the luminaire is particularly popular combined with other TUBO single luminaires for fancy patterns or creative arrangements. Maximum design freedom goes hand in hand with a pleasant room ambiance, as TUBO's characteristic beam angle of up to 340° provides gentle ceiling illumination. TUBO can be used as a pendant luminaire, or as a surface-mounted version for walls and ceilings. Especially in entrance areas, corridors, and public spaces, the luminaire with light colours 3000 K or 4000 K and opal cover provides homogeneous ambient lighting.

**DE** Mit TUBO sind der Kreativität keine Grenzen gesetzt. Die Leuchte wird dank der höhenverstellbaren Seilabhängung besonders gerne mit weiteren TUBO Einzeleuchten für ausgefallene Muster oder kreative Arrangements kombiniert. Die maximale Gestaltungsfreiheit geht mit angenehmer Raumatmosphäre einher, da der für die TUBO charakteristische Abstrahlwinkel von bis zu 340° eine sanfte Deckenaufhellung bewirkt. TUBO kann nicht nur als Pendelleuchte, sondern auch als Anbau-Variante für Wände und Decken eingesetzt werden. Vor allem in Eingangsbereichen, Korridoren und öffentlichen Bereichen sorgt die Leuchte mit den Lichtfarben 3000 K oder 4000 K sowie Opal-Cover für eine homogene Grundausleuchtung.

### Types



60

100

### Mountings



surface

suspended

### Light distribution

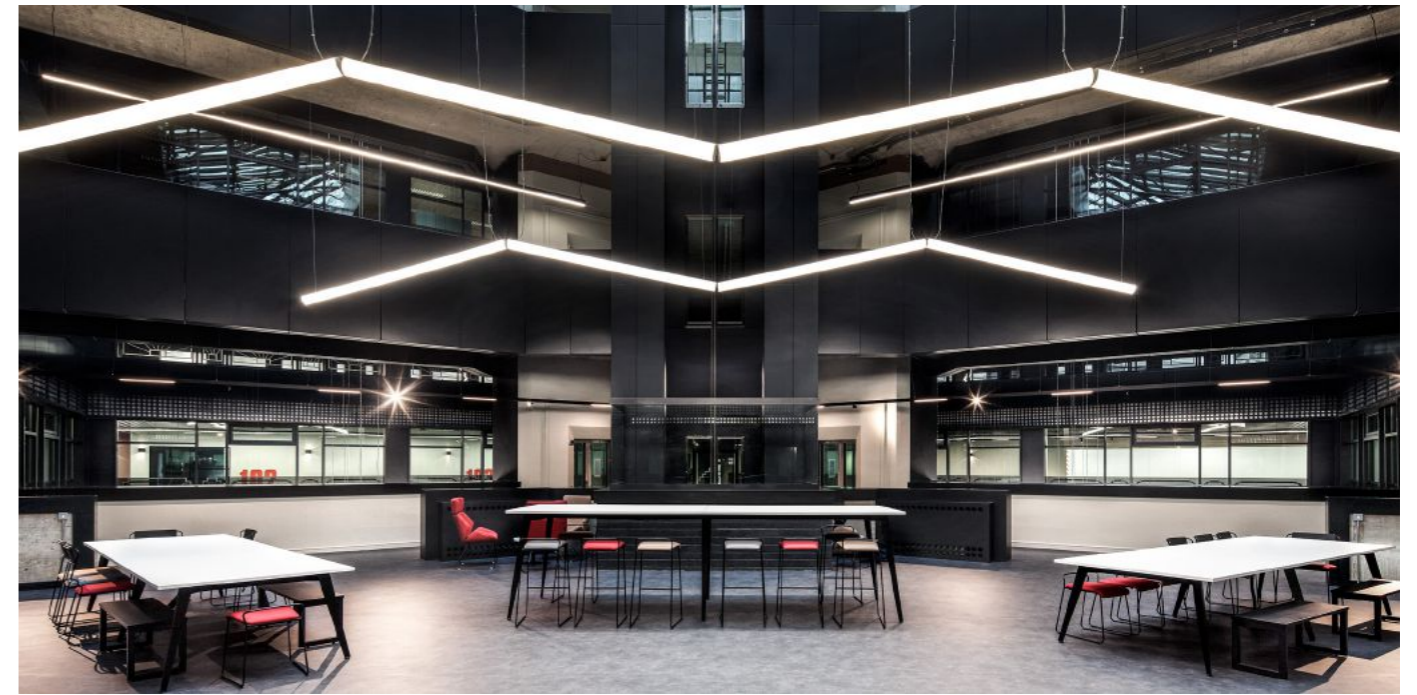
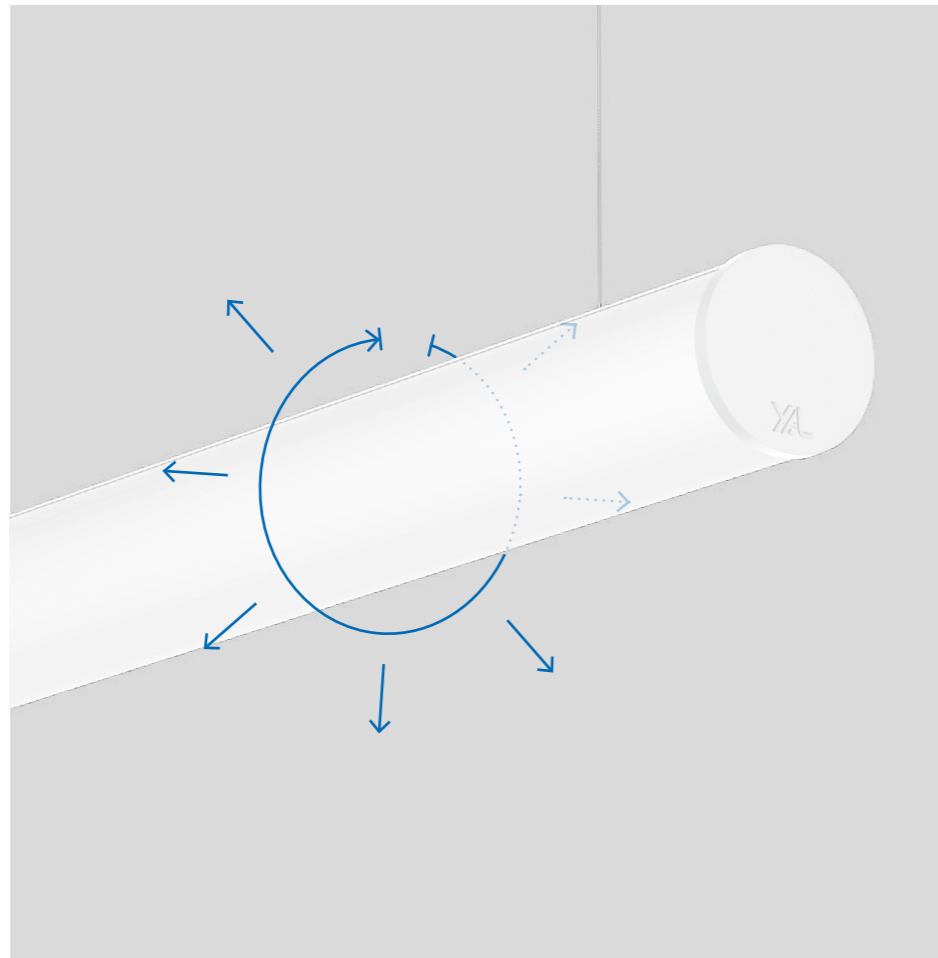


opal

## 340° light distribution

**EN** With its 340° beam pattern and opal cover, TUBO delivers homogeneous illumination as well as slight ceiling brightening. This makes the luminaire perfect for places where a pleasant ambient lighting is desired, such as reception areas, corridors, or foyers.

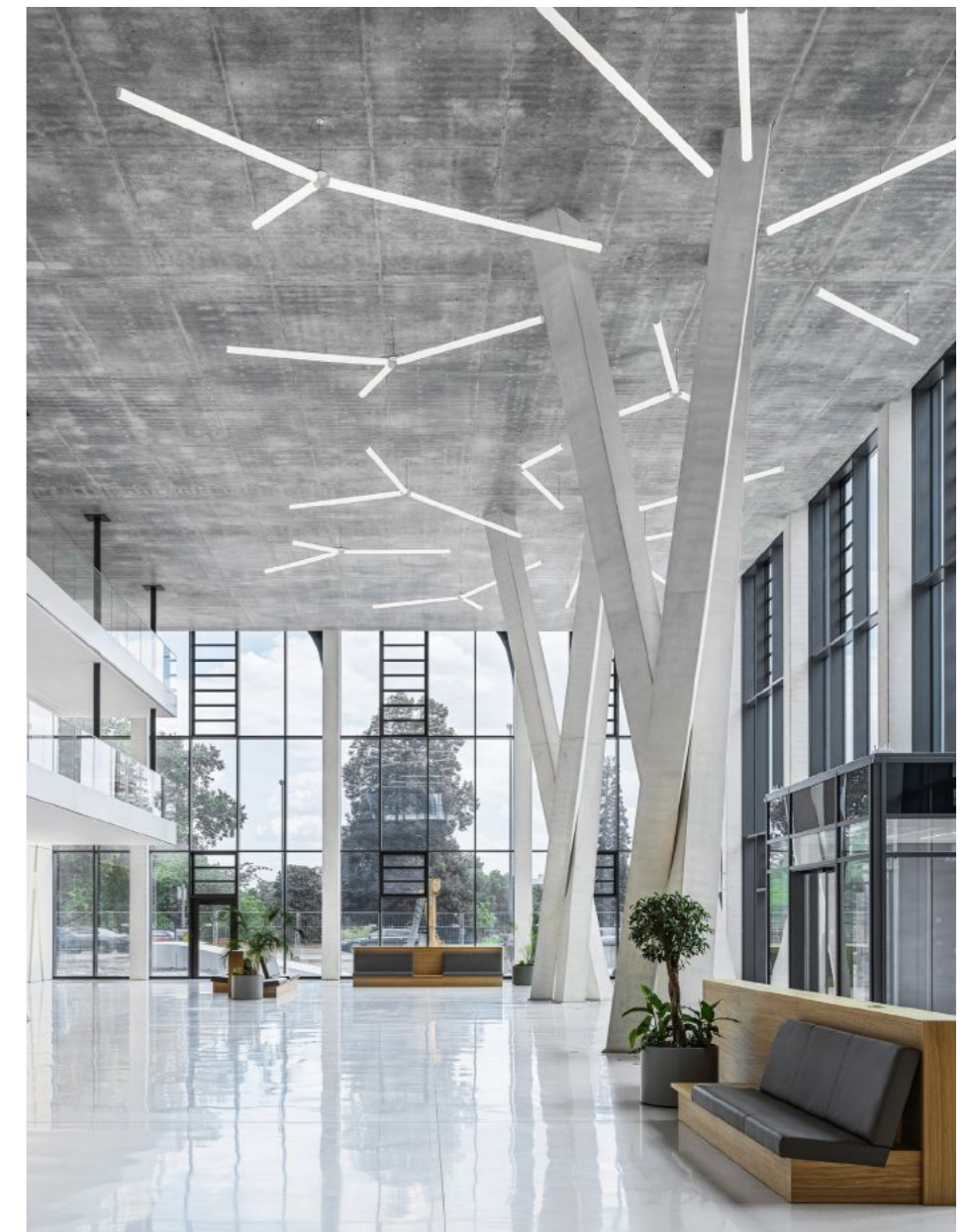
**DE** Durch ihre 340° Abstrahlcharakteristik und Opal-Abdeckung erzielt TUBO eine homogene Beleuchtung sowie eine leichte Deckenaufhellung. Dadurch ist die Leuchte perfekt geeignet für Orte, an denen eine angenehme Grundausleuchtung gewünscht ist, wie Empfangsbereiche, Flure oder Foyers.



## Bespoke arrangements

**EN** Mounting the pendant luminaire is highly flexible. The height-adjustable cable suspension with a joint allows TUBO to be suspended horizontally, or at an angle at different heights. The luminaire thus offers enormous creative freedom in designing bespoke patterns and unusual light formations.

**DE** Die Montage der Pendelleuchte ist höchst flexibel. Durch eine höhenverstellbare Seilabhängung mit Gelenk kann TUBO nicht nur horizontal, sondern auch schräg auf verschiedenen Höhen abgehängt werden. Dadurch bietet die Leuchte viel kreative Freiheit bei der Gestaltung individueller Muster und ausgefallener Lichtformationen.



## Mounting options

**EN** TUBO is available in both surface-mounted and pendant versions. It is suitable for mounting on ceilings and walls and supports a room's interior design.

**DE** TUBO ist sowohl in einer Anbau- als auch Pendelvariante erhältlich. Sie eignet sich für die Montage an der Decke ebenso wie an der Wand und unterstützt die innenarchitektonische Gestaltung des Raumes.

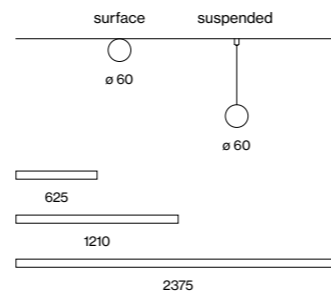
← back



**Quickinfo**

3000K, 4000K  
 CRI ≥ 80, 3 SDCM  
 up to 114lm/W  
 L90 @ 50 000h  
 non DIM, DALI-2  
 opal

**Types**



**Colour**



**Light distributions**



**Order options**

**COLOUR TEMPERATURE**

3000K	5
4000K	6

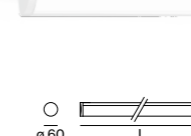
**CONTROL**

non DIM	1
DALI-2	3

**MATERIAL COLOUR**  
 ○ pure white RAL 9010

**LIGHT OPTIC COVER**  
 opal

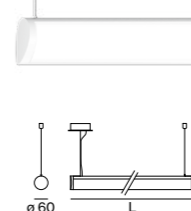
**TUBO 60 surface**



**LUMINAIRE**

SYS. POWER	COLOUR TEMP.	LUM. FLUX	L (mm)	ORDER CODE
16.5 W	3000K	1780lm	625	0 5 8 - 3 1 1 2 :: 7 0
	4000K	1880lm		
33 W	3000K	3560lm	1210	0 5 8 - 3 1 1 4 :: 7 0
	4000K	3760lm		
66 W	3000K	7110lm	2375	0 5 8 - 3 1 1 8 :: 7 0
	4000K	7530lm		

**TUBO 60 suspended**



**LUMINAIRE**

SYS. POWER	COLOUR TEMP.	LUM. FLUX	L (mm)	ORDER CODE
16.5 W	3000K	1780lm	625	0 5 8 - 3 2 1 2 :: 7 0
	4000K	1880lm		
33 W	3000K	3560lm	1210	0 5 8 - 3 2 1 4 :: 7 0
	4000K	3760lm		
66 W	3000K	7110lm	2375	0 5 8 - 3 2 1 8 :: 7 0
	4000K	7530lm		

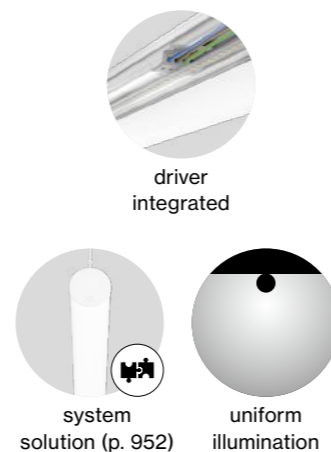


**TUBO 60**

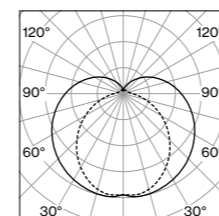
surface / suspended

EN Supporting profile in extruded aluminium; end cap in aluminium; surface powder coated; suitable for wall or ceiling mounting (TUBO 60 surface); surface mounted or suspended luminaire with cable suspension; height adjustment without tools; with transparent feeder cable; light control via high-quality lens system for maximum, homogeneous illumination; completely homogeneously illuminated, cylindrical HPO (High Performance Opal) cover; energy-efficient LEDs with very good colour rendering

DE Tragprofil aus Aluminiumstrangpressprofil; Enddeckel aus Aluminium; Oberfläche pulverbeschichtet; geeignet für Wand- oder Deckenmontage (TUBO 60 surface); Anbau- bzw. Pendelleuchte mit Seilabhängung; werkzeuglose Höhenverstellung; inkl. transp. Einspeiseleitung; Lichtlenkung mittels hochwertiger Linsenoptik für maximale, homogene Ausleuchtung; absolut homogen ausgeleuchtete, zylindrische HPO (High Performance Opal) Abdeckung; energieeffiziente LEDs mit sehr guter Farbwiedergabe



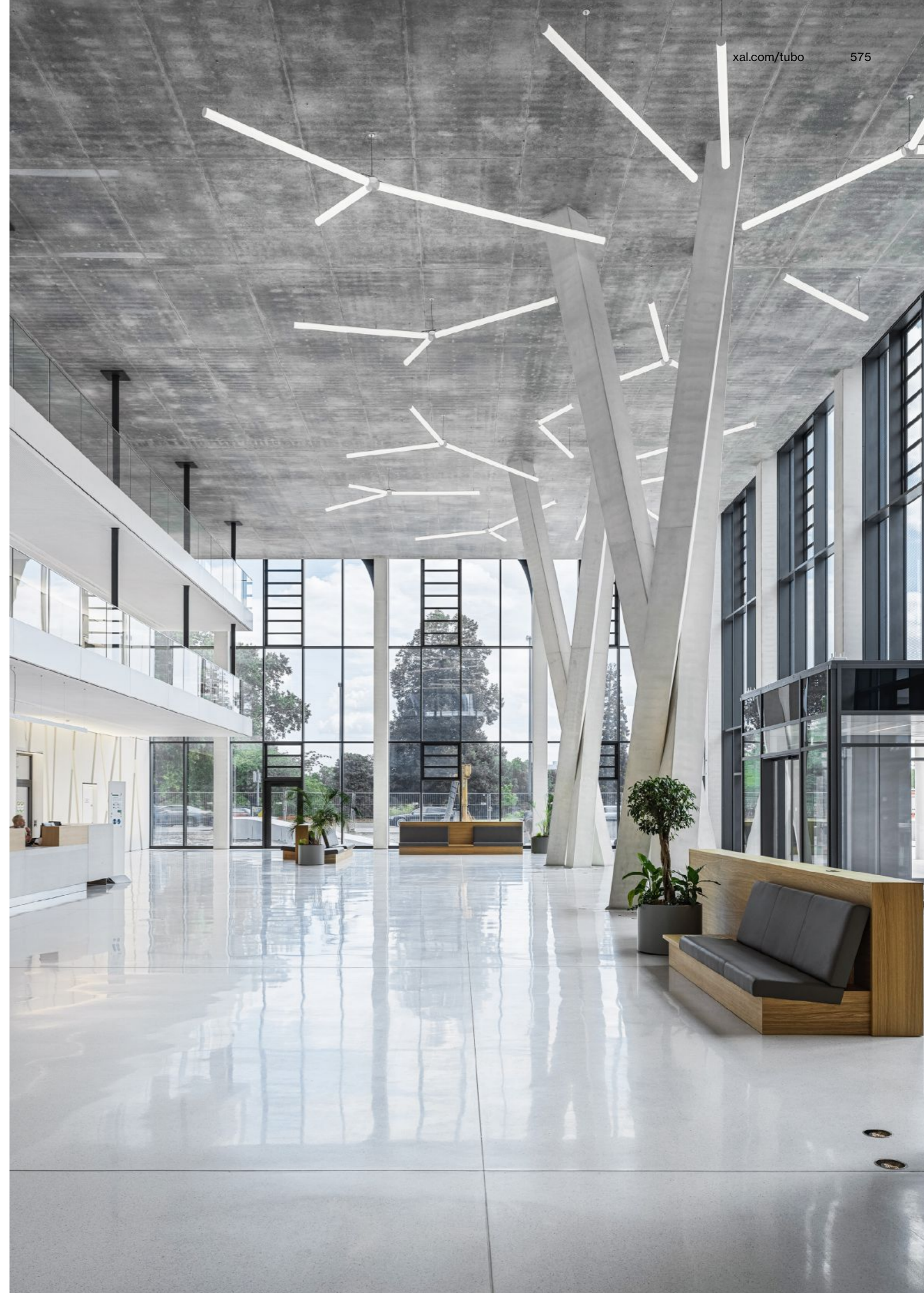
**Light distribution**



opal  
 direct

**LUMINOUS FLUX** value calculated for CRI ≥ 80, colour white, cover opal

**Heidelberg Cement AG** Heidelberg, DE –  
by Albert Speer + Partner Architekten with lighting  
design by Hailight Lichtplanung, Andreas Haidegger





## TUBO 100

surface / suspended

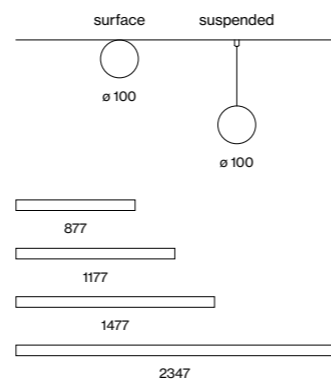
EN Supporting profile in extruded aluminium; end cap in aluminium, no visible screws; powder coated; suitable for wall or ceiling mounting (TUBO 100 surface); surface mounted or suspended luminaire with cable suspension; height adjustment without tools; spring clip attachment to the luminaire; freely positionable; with transparent feeder cable; luminaire profile for mounting available in advance; remaining components mounted without tools; light inset consisting of highly reflective coated extruded profile for improved thermal management; cylindrical cover made of satinised PMMA for homogeneous illumination; with 340° light emission and light ceiling illumination; energy-eff. LEDs – very good colour rendering

DE Tragprofil aus Aluminiumstrangpressprofil; Enddeckel aus Aluminium, keine sichtbaren Schrauben; pulverbeschichtet; geeignet für Wand- oder Deckenmontage (TUBO 100 surface); Anbau- bzw. Pendelleuchte mit Seilabhängung; werkzeuglose Höhenverstellung; Befestigung an der Leuchte mittels Federclips; frei positionierbar; inkl. transp. Einspeiseleitung; Leuchtenprofil für Montage vorab lieferbar; restl. Komponenten werkzeuglos montierbar; Lichteinsatz bestehend aus hochreflektierend lackiertem Strangpressprofil für verbessertes Thermomanagement; zylindrische Abdeckung aus satiniertem PMMA für homogene Ausleuchtung; mit 340° Lichtabstrahlung und leichter Deckenaufhellung; energieeff. LEDs – sehr gute Farbwiedergabe

### Quickinfo

3000K, 4000K  
CRI ≥ 80, 3 SDCM  
up to 138lm/W  
L90 @ 50 000h  
non DIM, DALI-2  
opal

### Types



### Colour



### Light distributions



system solution (p. 954)



uniform illumination

### Order options

COLOUR TEMPERATURE	
3000K	5
4000K	6

CONTROL	
non DIM	1
DALI-2	3

### MATERIAL COLOUR

○ pure white RAL 9010

### LIGHT OPTIC COVER

opal

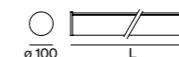
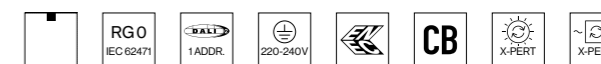
### Options on request

#### CONTROL

Casambi



### TUBO 100 surface

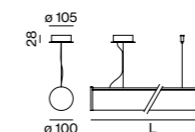


#### LUMINAIRE

SYS. POWER	COLOUR TEMP.	LUM. FLUX	L (mm)	ORDER CODE
27.5 W	3000K	3580lm	877	058-1133::70
	4000K	3790lm		
37 W	3000K	4770lm	1177	058-1134::70
	4000K	5050lm		
46 W	3000K	5960lm	1477	058-1135::70
	4000K	6310lm		
73 W	3000K	9540lm	2347	058-1138::70
	4000K	10100lm		



### TUBO 100 suspended

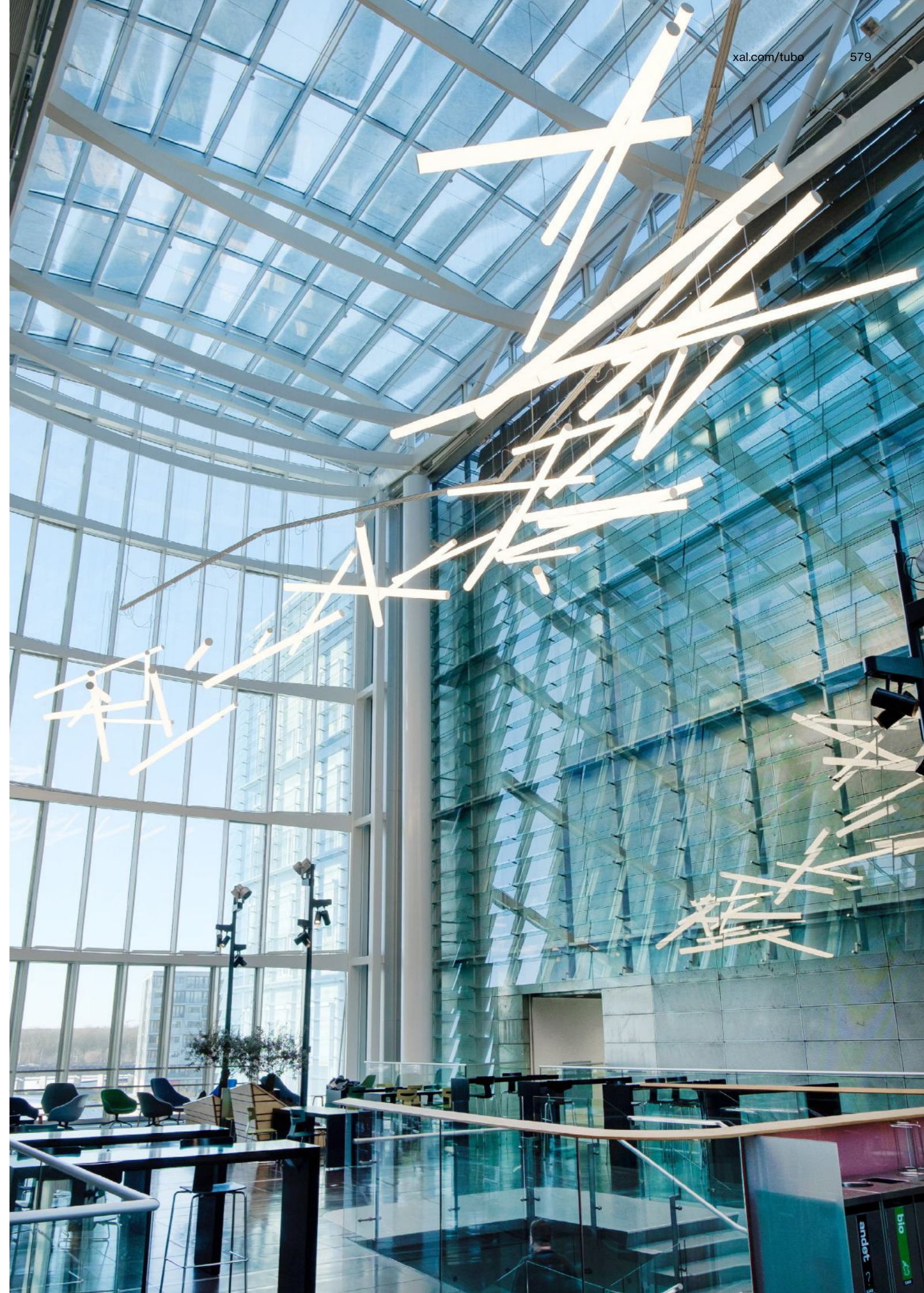
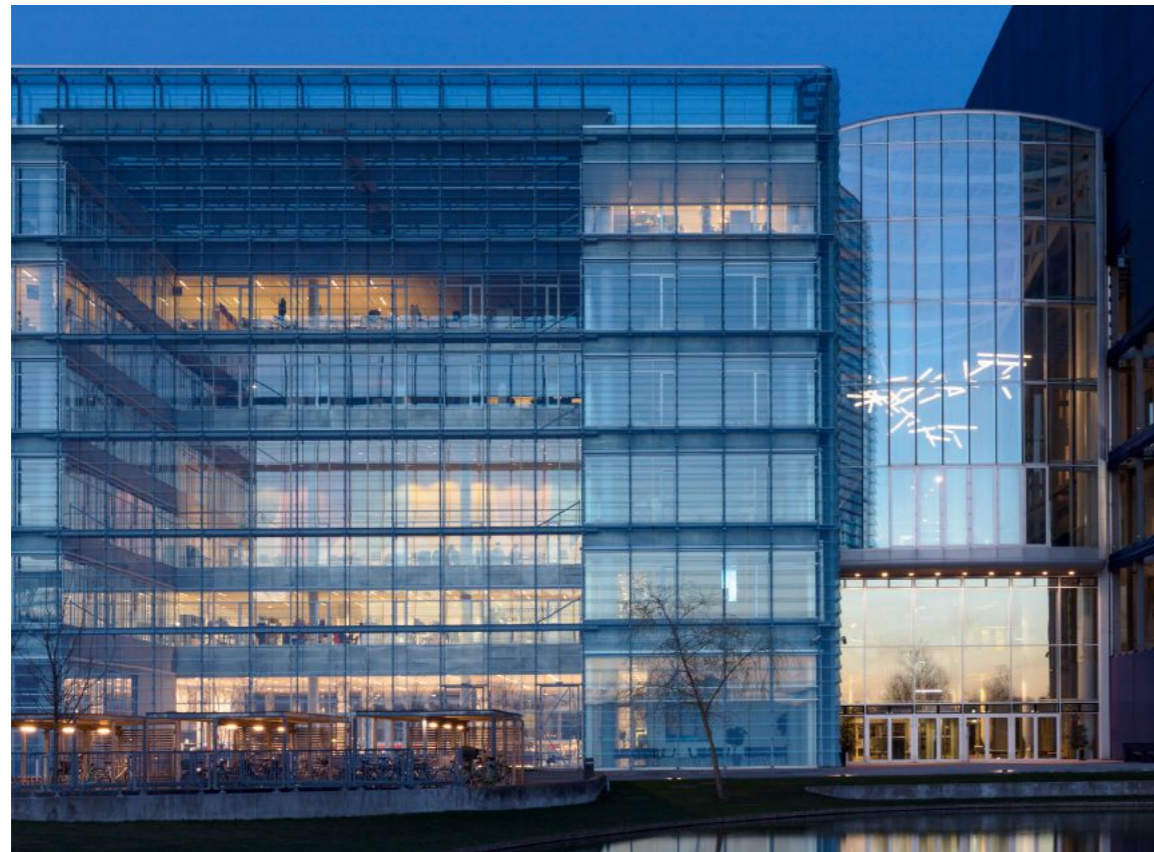


#### LUMINAIRE

SYS. POWER	COLOUR TEMP.	LUM. FLUX	L (mm)	ORDER CODE
27.5 W	3000K	3580lm	877	058-1233::70
	4000K	3790lm		
37 W	3000K	4770lm	1177	058-1234::70
	4000K	5050lm		
46 W	3000K	5960lm	1477	058-1235::70
	4000K	6310lm		
73 W	3000K	9540lm	2347	058-1238::70
	4000K	10100lm		

LUMINOUS FLUX value calculated for CRI ≥ 80, colour white, cover opal

**DR Byen**  
Copenhagen, DK –  
by Vilhelm Lauritzen Arkitekter  
with lighting design by Willerup&Heinsvig



# Create light sculptures

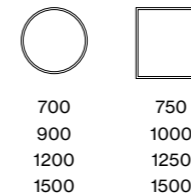


## INO

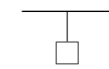
**EN** A classic in lighting design, redefined. Create exciting, multidimensional light sculptures by combining different INO shapes. INO's lighting characteristics are extraordinary. Light is emitted upwards and downwards through a sole exit surface, surrounding the luminaire like an aura. The circular and square luminaires are mounted horizontally or vertically. INO is available in white, black, and grey, as well as in numerous custom colours. All versions come in the light colours 2700K, 3000K, 4000K, or Tunable White.

**DE** Ein Klassiker in der Lichtplanung neu definiert. Durch die Kombination verschiedener geometrischer Formen lassen sich spannende, mehrdimensionale Lichtskulpturen kreieren. Das besondere an INO ist ihre Abstrahlcharakteristik. Durch nur eine Austrittsfläche nach innen, wird Licht nach oben und unten abgestrahlt und umgibt die Leuchte fast wie eine Aura. Wahlweise können die quadratischen oder kreisrunden Leuchten montiert werden. INO ist in den Farben Weiß, Schwarz und Grau sowie in weiteren Spezialfarben verfügbar. Alle Varianten können in den Lichtfarben 2700K, 3000K, 4000K oder Tunable White gewählt werden.

### Types

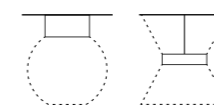


### Mounting



suspended

### Light distributions



opal

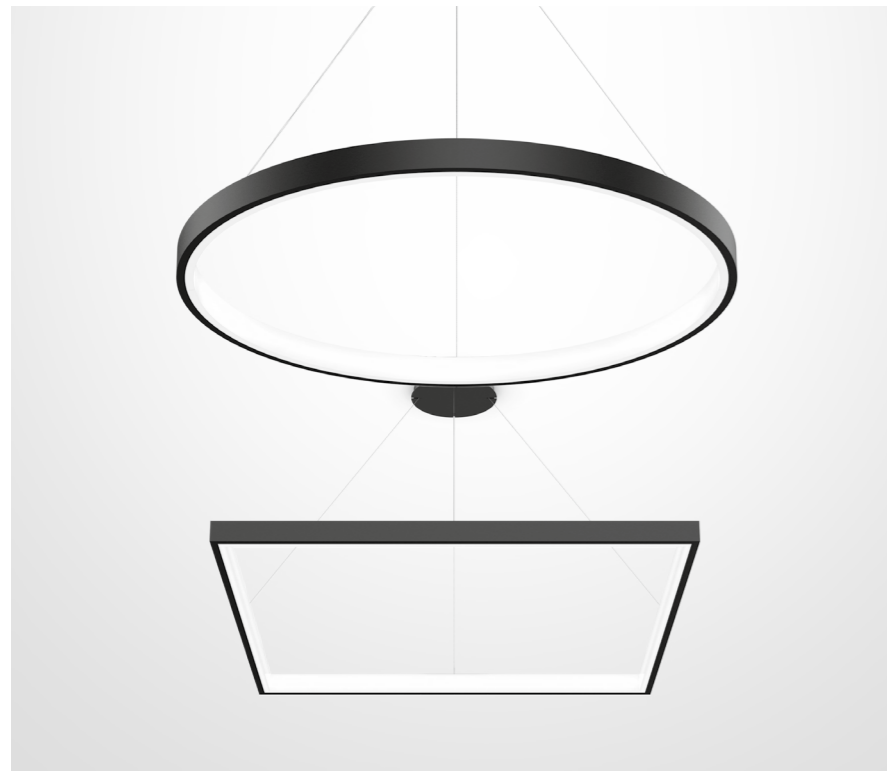
direct  
indirect



## Light distribution

EN INO's beam characteristics make it unique. It boasts a three-dimensional light-emitting surface that sends light upwards, downwards, and inwards, surrounding the luminaire with an aura. This high-quality luminaire's surroundings are illuminated evenly, while the inside of the ring stays visible even from a distance.

DE Das besondere an INO ist ihre Abstrahlcharakteristik. Durch eine dreidimensionale Austrittsfläche wird Licht nach oben, nach unten und nach innen abgestrahlt und umgibt die Leuchte fast wie eine Aura. Das hochqualitative Licht erhellt die Umgebung gleichmäßig, während die Innenseite des Rings weithin sichtbar ist.



## Geometric variety

EN Discover even more INO design options through different sizes and shapes. The luminaire is available in square and circular versions. Up to four different sizes provide even more creative freedom.

DE Entdecken Sie noch mehr gestalterische Möglichkeiten von INO durch unterschiedliche Größen und Formen. Die Leuchte ist wahlweise als quadratische oder kreisrunde Variante verfügbar. Durch bis zu vier verschiedene Größen ergeben sich noch weitere kreative Kombinationsmöglichkeiten.

## Colour variety

EN INO comes in the standard white, grey, or black. Other colours are available, unlocking maximum design freedom for your project. Find out more about our palette at: [xal.com/colours](http://xal.com/colours)

DE INO ist in den Standardfarben Weiß, Grau und Schwarz erhältlich. Darüber hinaus stehen weitere Farbvarianten zur Verfügung – die ermöglichen Ihnen einen maximalen Gestaltungsfreiraum bei Ihrem Projekt. Mehr zu unserer Farbpalette erfahren Sie auf [xal.com/colours](http://xal.com/colours)



[xal.com/colours](http://xal.com/colours)

## TW – Tunable White

EN Changes in the colour of light have a substantial effect on our mood. Tunable White allows the colour temperature to be continuously adjusted from 2700 K (warm light) to 6500 K (cool light) to dynamically adapt the lighting to the time of day or ambient brightness.

DE Veränderungen in der Lichtfarbe haben eine starke Wirkung auf unsere Stimmung. Tunable White ermöglicht die stufenlose Verschiebung der Farbtemperatur von 2700 K (warmes Licht) bis 6500 K (kühles Licht), um die Beleuchtung dynamisch an Uhrzeit oder Umgebungshelligkeit anzupassen.

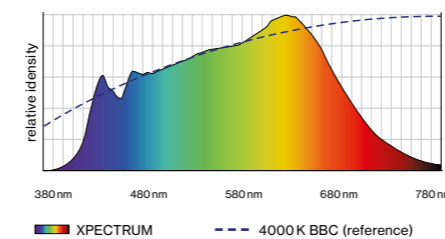


## Effective from every perspective

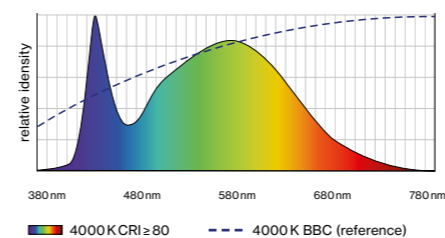
EN INO can be suspended horizontally or vertically from the ceiling. INO offers a range of options for creating bespoke arrangements and effective ceiling and wall sculptures.

DE INO kann nicht nur horizontal, sondern auch vertikal von der Decke abgehängt werden. Dadurch bietet INO die Möglichkeit, individuelle Arrangements und wirkungsvolle Decken- und Wandskulpturen zu gestalten.

### XPECTRUM LED



### Commercially available LED 4000 K



## Full-spectrum LED

EN XAL's new XPECTRUM LEDs deliver healthy, biologically effective light. The reduced blue light and increased cyan values reduce the blue light hazard for the eye to daylight-equivalent levels. The resulting non-visual, so-called melanopic light effect, improves concentration and increases sleep quality. The excellent colour rendering of IES TM 30-15  $R_f = 98$  and  $R_g = 101$  further helps visual comfort.

DE Die neue XPECTRUM LED von XAL sorgt für gesundes, biologisch wirksames Licht. Der reduzierte Blaulichtanteil sowie die erhöhten Cyan-Werte minimieren die Blaulichtgefahr für das Auge auf ein tageslichtähnliches Niveau. Die daraus resultierende nichtvisuelle, auch melanopische Lichtwirkung genannt, fördert die Konzentration und steigert die Schlafqualität. Die hervorragende Farbwiedergabe von IES TM 30-15  $R_f = 98$  und  $R_g = 101$  ermöglicht zudem einen verbesserten Sehkomfort.

← back



## INO circle suspended

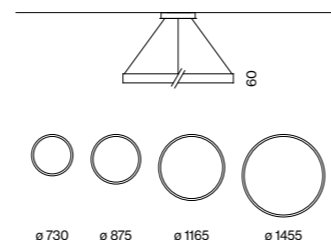
EN Ring shaped luminaire housing from rolled aluminium extruded profile, seamlessly welded; surface powder coated; pendant fitting with cable suspension; height adjustment without tools; with transparent feeder cable; electronic operating unit installed in the canopy; completely homogeneously illuminated, satinised PMMA cover; inwards facing emission characteristics; direct/indirect illumination characteristic for additional emphasis of the ceiling and more visual comfort; energy-efficient LEDs with very good colour rendering; canopy with 2 cable openings and plug-in terminal for through wiring

DE Ringförmiger Leuchtenkörper aus gerolltem Aluminiumstrangpressprofil nahtlos verschweißt; Oberfläche pulverbeschichtet; abgependelt mit Seilabhängung; werkzeuglose Höhenverstellung; inkl. transp. Einspeiseleitung; elektronisches Betriebsgerät im Baldachin verbaut; absolut homogen ausgeleuchtete, satinierte PMMA-Abdeckung; nach innen gerichtete Abstrahlcharakteristik; direkt/indirekte Abstrahlcharakteristik für zusätzliche Akzentuierung der Decke und mehr Sehkomfort; energieeffiziente LEDs mit sehr guter Farbwiedergabe; Baldachin mit 2 Kabelöffnungen und Steckklemme für Weiterverdrahtung

### Quickinfo

2700K, 3000K, 4000K  
CRI ≥ 80, 3 SDCM  
up to 143lm/W  
L90 @ 50 000h  
DALI-2  
opal

### Types



### Colours



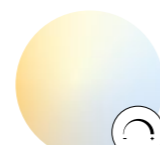
### Light distribution



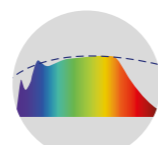
DiiA® standards  
251, 252, 253



direct/indirect  
illumination



tunable white  
2700–6500K



CRI ≥ 98  
XPECTRUM

### Order options

**SUSPENSION**  
cable 2000 mm / canopy central

COLOUR TEMPERATURE	
2700K	4
3000K	5
4000K	6

**CONTROL**  
DALI-2

MATERIAL COLOUR	
○ pure white RAL 9010	7
● white aluminium RAL 9006	G
● jet black RAL 9005	8
● special colours* ● p. 992	X

\*canopy always in white

**LIGHT OPTIC COVER**  
opal high performance

### Options on request

**SUSPENSION**  
cable 2000 mm

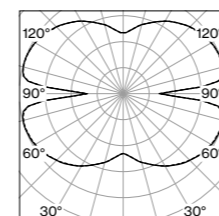
**COLOUR RENDERING INDEX**  
CRI ≥ 90  
CRI ≥ 98 XPECTRUM

**CONTROL**  
Casambi

**COLOUR TEMPERATURE**  
tunable white 2700–6500K  
DALI-2 DT8

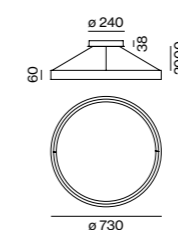
**SHAPES**  
INO trig suspended  
INO hex suspended  
INO circle vertical suspended

### Light distribution



opal high performance  
direct/indirect

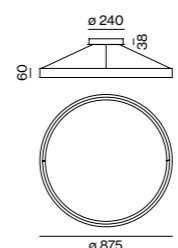
**LUMINOUS FLUX** value calculated for  
CRI ≥ 80, colour white, cover opal



### INO 700 circle suspended



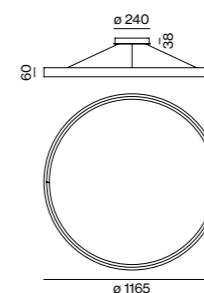
DIRECT / INDIRECT				ORDER CODE
SYSTEM POWER	COLOUR TEMP.	LUMINOUS FLUX		
32W	2700K	4060lm		034-3412::3H
	3000K	4310lm		
	4000K	4570lm		



### INO 900 circle suspended



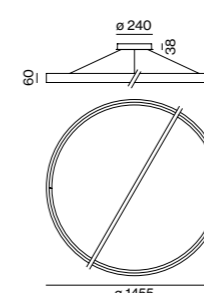
DIRECT / INDIRECT				ORDER CODE
SYSTEM POWER	COLOUR TEMP.	LUMINOUS FLUX		
39W	2700K	4870lm		034-3413::3H
	3000K	5180lm		
	4000K	5480lm		



### INO 1200 circle suspended



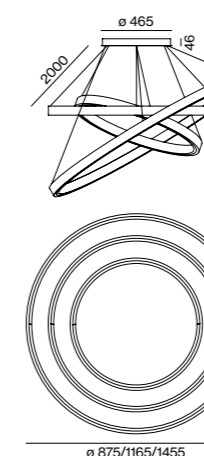
DIRECT / INDIRECT				ORDER CODE
SYSTEM POWER	COLOUR TEMP.	LUMINOUS FLUX		
51W	2700K	6490lm		034-3414::3H
	3000K	6900lm		
	4000K	7310lm		



### INO 1500 circle suspended



DIRECT / INDIRECT				ORDER CODE
SYSTEM POWER	COLOUR TEMP.	LUMINOUS FLUX		
64W	2700K	8120lm		034-3415::3H
	3000K	8630lm		
	4000K	9130lm		



### INO TRIPLE circle suspended

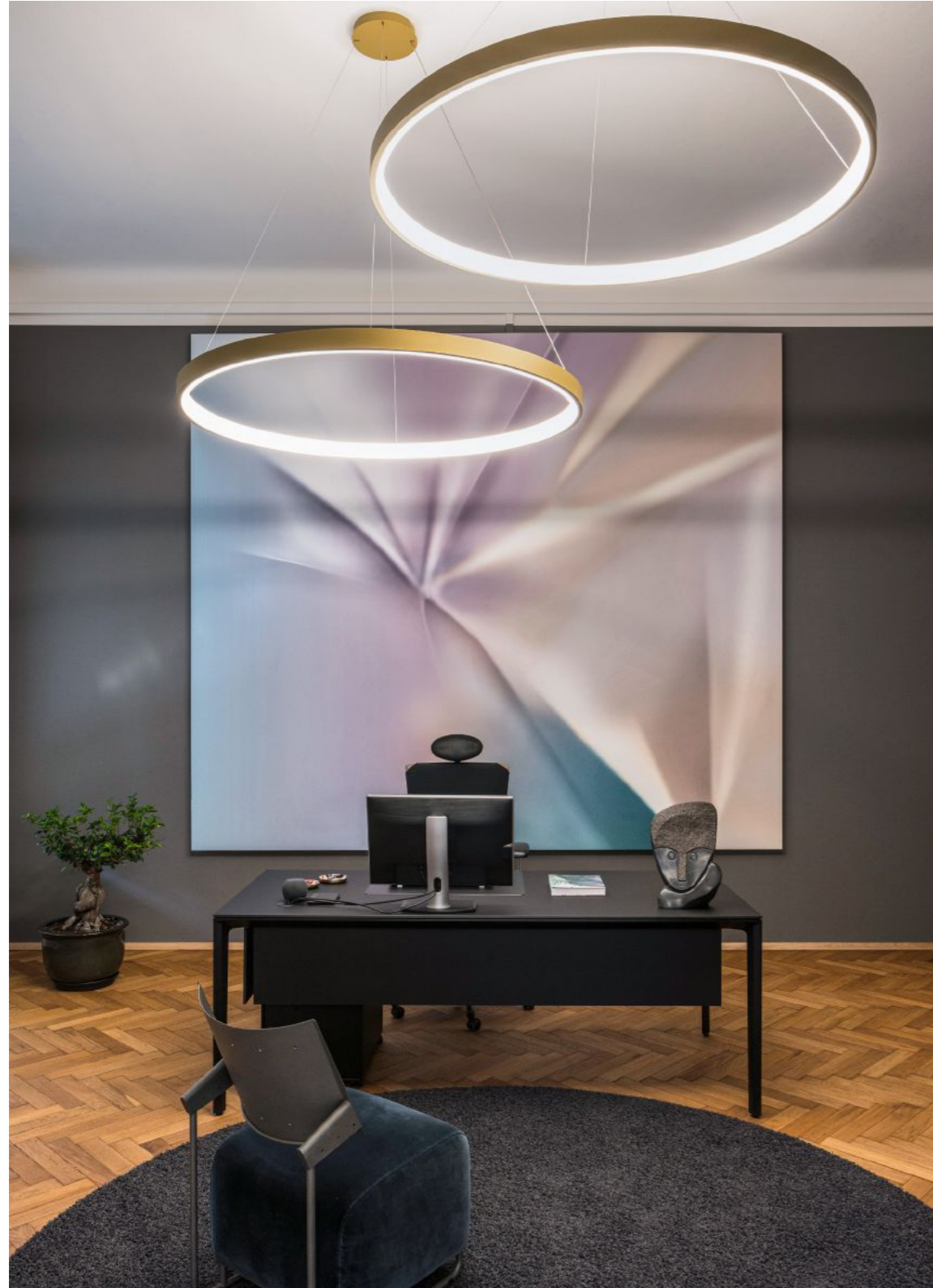


DIRECT / INDIRECT				ORDER CODE
SYSTEM POWER	COLOUR TEMP.	LUMINOUS FLUX		
154W	2700K	19580lm		034-3815::3H
	3000K	20710lm		
	4000K	21920lm		

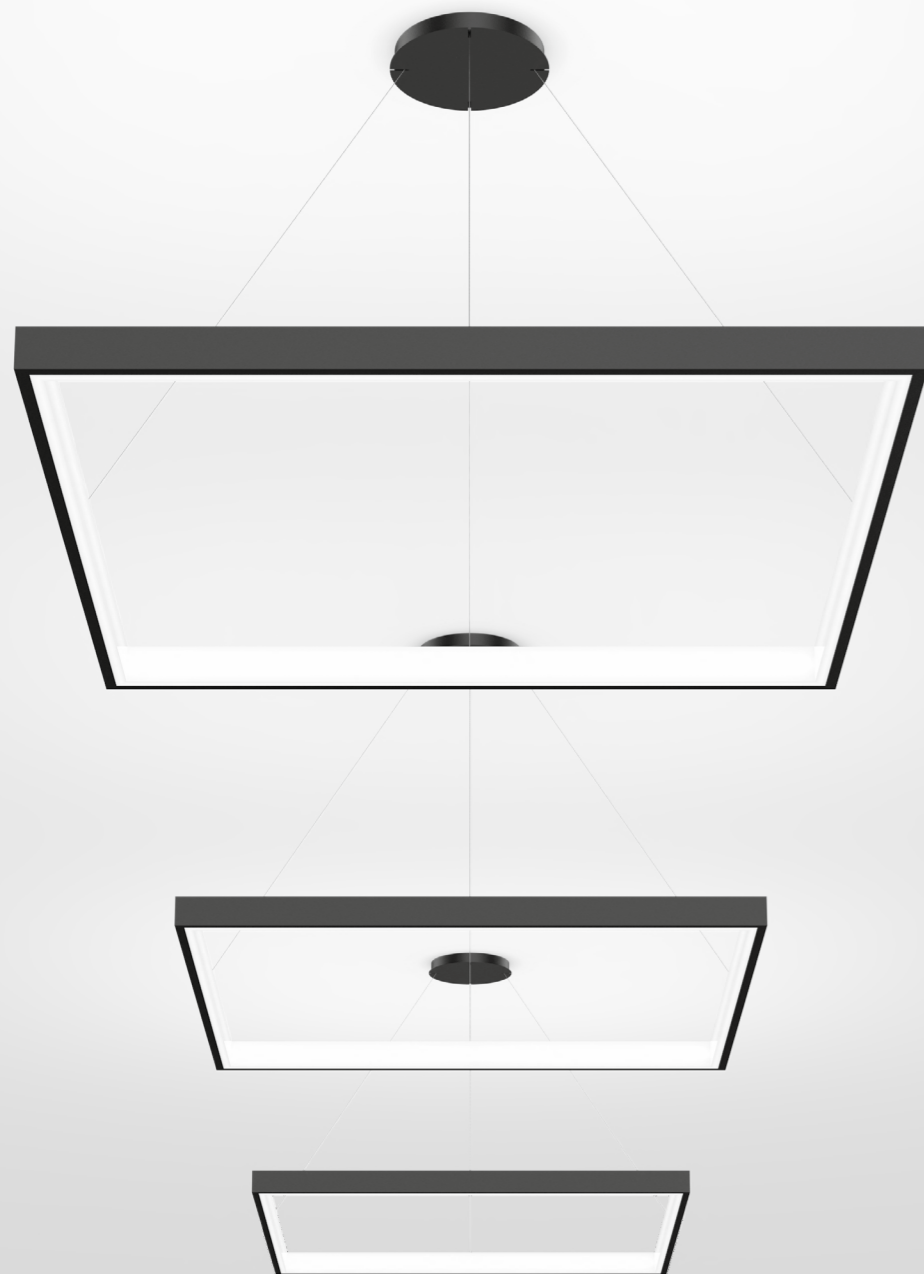
Villa Mayfair Barcelona, ES



PrimeTime Touristik und Marketing GmbH Graz, AT



← back



## INO square

suspended

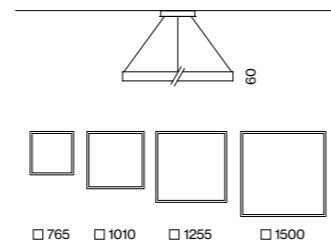
EN Square aluminium luminaire housing; surface powder coated; pendant fitting with cable suspension; height adjustment without tools; with transparent feeder cable; electronic operating unit installed in the canopy; completely homogeneously illuminated, satinised PMMA cover; inwards facing emission characteristics; direct/indirect illumination characteristic for additional emphasis of the ceiling and more visual comfort; energy-efficient LEDs with very good colour rendering; canopy with 2 cable openings and plug-in terminal for through wiring

DE Quadratischer Leuchtenkörper aus Aluminium; Oberfläche pulverbeschichtet; abgependelt mit Seilabhängung; werkzeuglose Höhenverstellung; inkl. transp. Einspeiseleitung; elektronisches Betriebsgerät im Baldachin verbaut; absolut homogen ausgeleuchtete, satinierte PMMA-Abdeckung; nach innen gerichtete Abstrahlcharakteristik; direkt/indirekte Abstrahlcharakteristik für zusätzliche Akzentuierung der Decke und mehr Sehkomfort; energieeffiziente LEDs mit sehr guter Farbwiedergabe; Baldachin mit 2 Kabelöffnungen und Steckklemme für Weiterverdrahtung

### Quickinfo

2700 K, 3000 K, 4000 K  
 CRI ≥ 80, 3 SDCM  
 up to 144 lm/W  
 L90 @ 50 000 h  
 DALI-2  
 opal

### Types



### Colours



### Light distribution



### Order options

**SUSPENSION**  
 cable 2000 mm / canopy central

COLOUR TEMPERATURE	
2700 K	4
3000 K	5
4000 K	6

### CONTROL

DALI-2

### MATERIAL COLOUR

○ pure white RAL 9010	7
● white aluminium RAL 9006	G
● jet black RAL 9005	8
● special colours* ● p. 992	X

\*canopy always in white

### LIGHT OPTIC COVER

opal high performance

### Options on request

#### SUSPENSION

cable 2000 mm

#### COLOUR RENDERING INDEX

CRI ≥ 90  
 CRI ≥ 98 XPECTRUM

#### CONTROL

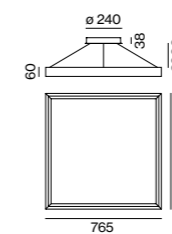
Casambi

#### COLOUR TEMPERATURE

tunable white 2700–6500 K  
 DALI-2 DT8

#### SHAPES

INO trig suspended  
 INO hex suspended  
 INO circle vertical suspended

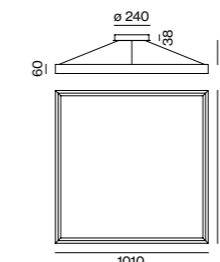


### INO 750 square suspended



#### DIRECT / INDIRECT

SYSTEM POWER	COLOUR TEMP.	LUMINOUS FLUX	ORDER CODE
40 W	2700 K	5120 lm	0 3 4 - 4 4 1 2 :: 3 H
	3000 K	5440 lm	
	4000 K	5760 lm	

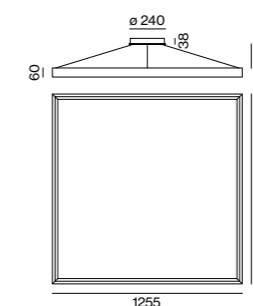


### INO 1000 square suspended



#### DIRECT / INDIRECT

SYSTEM POWER	COLOUR TEMP.	LUMINOUS FLUX	ORDER CODE
54 W	2700 K	6830 lm	0 3 4 - 4 4 1 3 :: 3 H
	3000 K	7250 lm	
	4000 K	7680 lm	

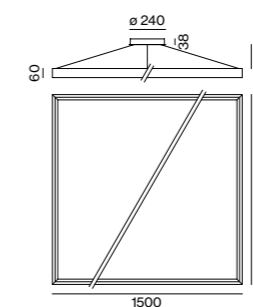


### INO 1250 square suspended



#### DIRECT / INDIRECT

SYSTEM POWER	COLOUR TEMP.	LUMINOUS FLUX	ORDER CODE
67 W	2700 K	8530 lm	0 3 4 - 4 4 1 4 :: 3 H
	3000 K	9070 lm	
	4000 K	9600 lm	



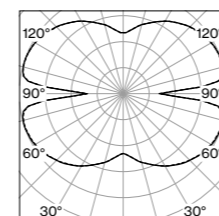
### INO 1500 square suspended



#### DIRECT / INDIRECT

SYSTEM POWER	COLOUR TEMP.	LUMINOUS FLUX	ORDER CODE
81 W	2700 K	10200 lm	0 3 4 - 4 4 1 5 :: 3 H
	3000 K	10900 lm	
	4000 K	11500 lm	

### Light distribution



opal high performance  
 direct/indirect

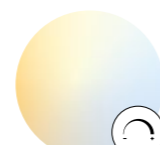
LUMINOUS FLUX value calculated for  
 CRI ≥ 80, colour white, cover opal



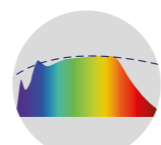
DiiA® standards  
 251, 252, 253



direct/indirect  
 illumination



tunable white  
 2700–6500 K

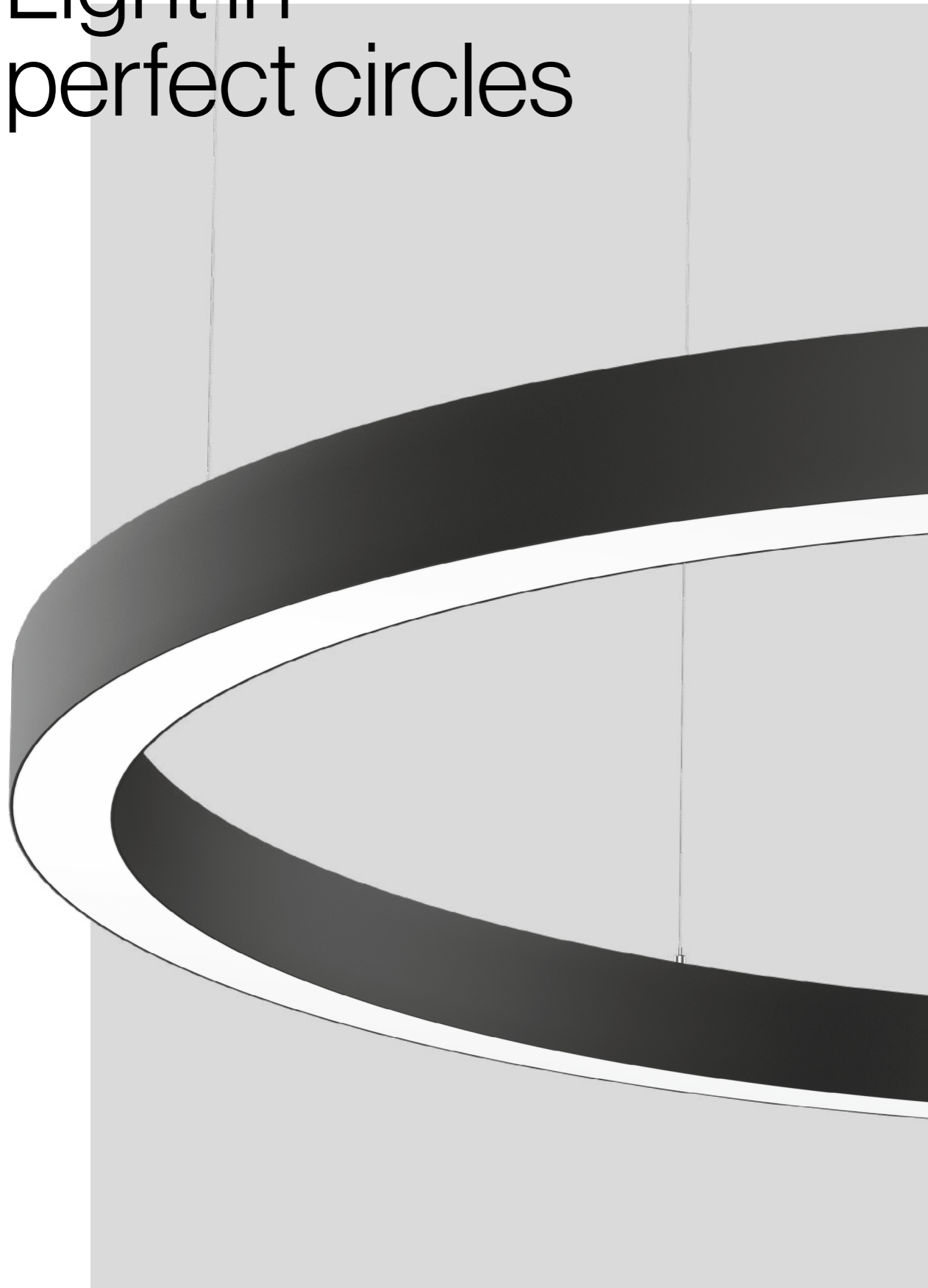


CRI ≥ 98  
 XPECTRUM

**Granitlab Coworking**  
St. Martin im Mühlkreis, AT –  
by GHT-Plan GmbH with lighting design  
by GHT-Plan GmbH, AREA C.I. Design GmbH



# Light in perfect circles

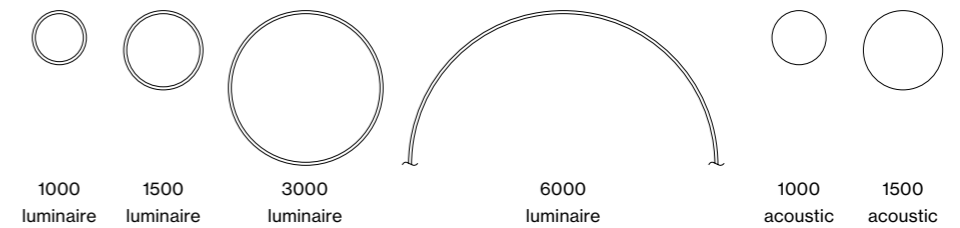


## MINO CIRCLE

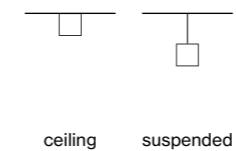
**EN** Beautiful circular arrangements: The grouping of MINO CIRCLE variants in different sizes and colours creates interesting and fresh ceiling patterns and figures. For optimal room acoustics, the luminaires can be supplemented with highly effective, round acoustic elements. Combine the surface-mounted ceiling and suspended versions, as well as the light colours 3000K and 4000K, for more design variety. MINO CIRCLE with indirect beam patterns provides plenty of light where additional ceiling illumination is required. For homogeneous illumination, choose luminaires with opal covers. The microprismatic cover ensures glare-free lighting.

**DE** Ästhetische Kreisarrangements: Die Anordnung von MINO CIRCLE Varianten in verschiedenen Größen und Farben ermöglicht interessante, immer wieder neue Deckenmuster und Figuren. Für optimale Raumakustik können die Leuchtkörper durch hocheffektive runde Akustikerelemente ergänzt werden. Kombinieren Sie die Deckenanbau- und abgehängte Varianten sowie die Lichtfarben 3000K und 4000K für mehr gestalterische Vielfalt. Wo zusätzliche Deckenaufhellung gewünscht ist, sorgt MINO CIRCLE mit indirekter Abstrahlcharakteristik für genug Licht. Für eine homogene Ausleuchtung wählen Sie Leuchten mit Opal-Cover, die mikroprismatische Abdeckung gewährleistet blendfreie Beleuchtung.

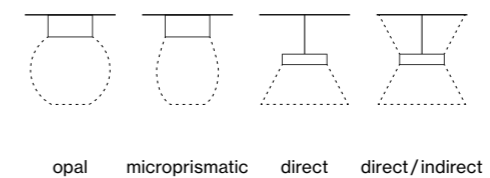
### Types



### Mountings



### Light distributions



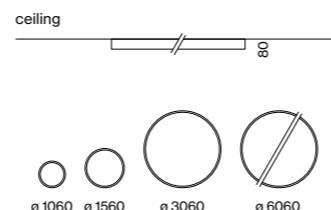
← back



**Quickinfo**

3000K, 4000K  
 CRI ≥ 80, 3 SDCM  
 up to 123lm/W  
 L90 @ 50 000h  
 DALI-2  
 opal, microprismatic

**Types**



**Luminaire colours**



**Light distribution**

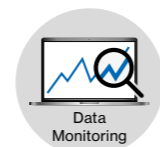


**MINO CIRCLE**

ceiling

EN Ring shaped luminaire housing from rolled aluminium extruded profile, seamlessly welded; surface powder coated; light inset consisting of highly reflective coated die-cast aluminium for improved thermal management; HPO (High Performance Opal) cover for uniform illumination; micro prismatic PMMA diffuser incl. diffuser film for homogeneous illumination and reduced luminance; sound absorbing elements available; energy-efficient LEDs with very good colour rendering

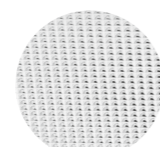
DE Ringförmiger Leuchtenkörper aus gerolltem Aluminiumstrangpressprofil nahtlos verschweißt; Oberfläche pulverbeschichtet; Lichteinsatz bestehend aus hochreflektierend lackiertem Aluminiumdruckguss für verbessertes Thermomanagement; HPO (High Performance Opal) Abdeckung für homogene Ausleuchtung; mikroprismatische PMMA-Abdeckung inkl. Diffusorfolie zur Reduktion der Leuchtdichte bei homogener Ausleuchtung; schallabsorbierende Elemente erhältlich; energieeffiziente LEDs mit sehr guter Farbwiedergabe



DiiA® standards 251, 252, 253



direct/indirect illumination



microprismatic



acoustic elements (p. 606)

**Order options**

**COLOUR TEMPERATURE**

3000K	5
4000K	6

**CONTROL**  
 DALI-2

**MATERIAL COLOUR**

○ pure white RAL 9010	7
● white aluminium RAL 9006	G
● jet black RAL 9005	8
● special colours p. 992	X

**LIGHT OPTIC COVER**

opal high performance	H
microprismatic	Z

**Options on request**

**COLOUR RENDERING INDEX**  
 CRI ≥ 90

**CONTROL**  
 Casambi



**MINO 60 CIRCLE 1000 ceiling**



**DIRECT**

SYSTEM POWER	COLOUR TEMP.	LUMINOUS FLUX	ORDER CODE
65 W	3000 K	7130 lm	0 3 4 - 2 1 1 2 :: 3
	4000 K	7550 lm	

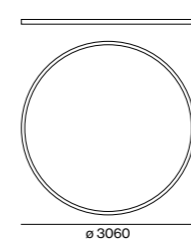


**MINO 60 CIRCLE 1500 ceiling**



**DIRECT**

SYSTEM POWER	COLOUR TEMP.	LUMINOUS FLUX	ORDER CODE
99 W	3000 K	11400 lm	0 3 4 - 2 1 1 0 :: 3
	4000 K	12100 lm	



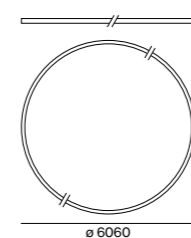
**MINO 60 CIRCLE 3000 ceiling**



**DIRECT**

SYSTEM POWER	COLOUR TEMP.	LUMINOUS FLUX	ORDER CODE
198 W	3000 K	23000 lm	0 3 4 - 2 1 1 4 :: 3 7 H
	4000 K	24300 lm	

other configurations see MINO 60 CURVE system



**MINO 60 CIRCLE 6000 ceiling**



**DIRECT**

SYSTEM POWER	COLOUR TEMP.	LUMINOUS FLUX	ORDER CODE
396 W	3000 K	45900 lm	0 3 4 - 2 1 1 6 :: 3 7 H
	4000 K	48600 lm	

other configurations see MINO 60 CURVE system

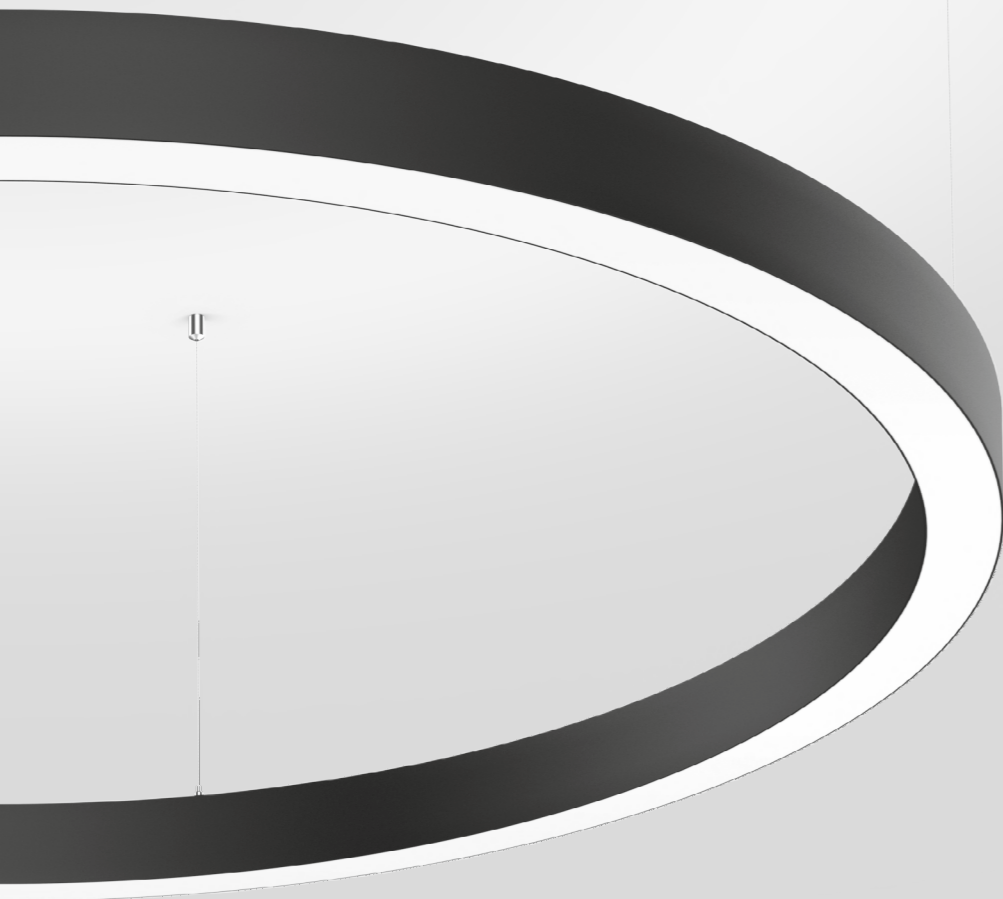
**Acoustic elements**

see page 606

LUMINOUS FLUX value calculated for CRI ≥ 80, colour white, cover opal



← back



# MINO CIRCLE

suspended

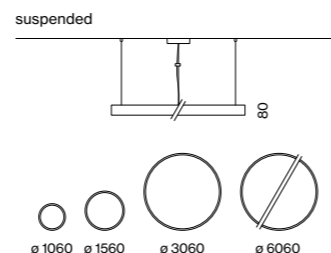
EN Ring shaped luminaire housing from rolled aluminium extruded profile, seamlessly welded; surface powder coated; pendant fitting with cable suspension; with integrated tool-less suspension height adjustment; incl. transparent feed; light inset consisting of highly reflective coated die-cast aluminium for improved thermal management; HPO (High Performance Opal) cover for uniform illumination; micro prismatic PMMA diffuser incl. diffuser film for homogeneous illumination and reduced luminance; optional with direct/indirect illumination characteristic for additional emphasis of the ceiling and more visual comfort; energy-efficient LEDs with very good colour rendering; sound absorbing elements available

DE Ringförmiger Leuchtenkörper aus gerolltem Aluminiumstrangpressprofil nahtlos verschweißt; Oberfläche pulverbeschichtet; abgependelt mit Seilabhängung; werkzeuglose Höhenverstellung an der Leuchte; inkl. transparenter Einspeiseleitung; Lichteinsatz bestehend aus hochreflektierend lackiertem Aluminiumdruckguss für verbessertes Thermomanagement; HPO (High Performance Opal) Abdeckung für homogene Ausleuchtung; mikroprismatische PMMA-Abdeckung inkl. Diffusorfolie zur Reduktion der Leuchtdichte bei homogener Ausleuchtung; optional mit direkt/indirekter Abstrahlcharakteristik für zusätzliche Akzentuierung der Decke und mehr Sehkomfort; energieeffiziente LEDs mit sehr guter Farbwiedergabe; schallabsorbierende Elemente erhältlich

### Quickinfo

3000K, 4000K  
 CRI ≥ 80, 3 SDCM  
 up to 132lm/W  
 L90 @ 50 000h  
 DALI-2  
 opal, microprismatic

### Types



### Luminaire colours



### Light distributions



### Order options

**SUSPENSION**   
 cable 1500mm 2  
 cable 1500mm/canopy central 4

**COLOUR TEMPERATURE**   
 3000K 5  
 4000K 6

**CONTROL**  
 DALI-2

**LUMINAIRE COLOUR**   
 ○ pure white RAL 9010 7  
 ● white aluminium RAL 9006 G  
 ● jet black RAL 9005 8  
 ● special colours\* ● p. 992 X  
 \*canopy always in white

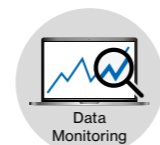
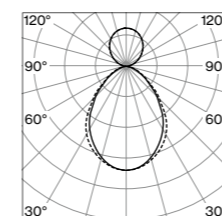
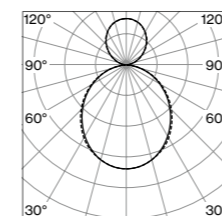
**LIGHT OPTIC COVER**   
 opal high performance H  
 microprismatic Z

### Options on request

**COLOUR RENDERING INDEX**  
 CRI ≥ 90

**CONTROL**  
 Casambi

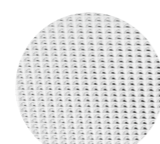
### Light distributions



DiiA® standards  
 251, 252, 253



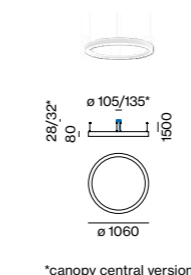
direct/indirect  
 illumination



microprismatic



acoustic  
 elements (p. 606)



### MINO 60 CIRCLE 1000 suspended



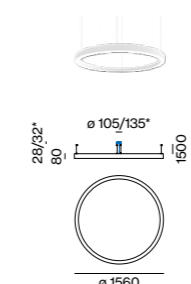
**DIRECT**

SYSTEM POWER	COLOUR TEMP.	LUMINOUS FLUX	ORDER CODE
65 W	3000 K	7130 lm	0 3 4 - 2 5 1 2 :: 3 7 4
	4000 K	7550 lm	



**DIRECT / INDIRECT**

SYSTEM POWER	COLOUR TEMP.	LUMINOUS FLUX	ORDER CODE
87 W	3000 K	↓ 7120 / ↑ 3190 lm	0 3 4 - 2 5 1 3 :: 3 7 4
	4000 K	↓ 7540 / ↑ 3380 lm	



### MINO 60 CIRCLE 1500 suspended



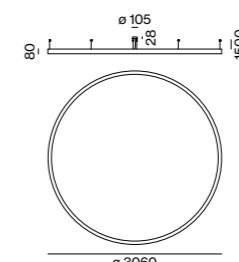
**DIRECT**

SYSTEM POWER	COLOUR TEMP.	LUMINOUS FLUX	ORDER CODE
99 W	3000 K	11400 lm	0 3 4 - 2 5 1 0 :: 3 7 4
	4000 K	12100 lm	



**DIRECT / INDIRECT**

SYSTEM POWER	COLOUR TEMP.	LUMINOUS FLUX	ORDER CODE
132 W	3000 K	↓ 11400 / ↑ 5100 lm	0 3 4 - 2 5 1 1 :: 3 7 4
	4000 K	↓ 12100 / ↑ 5400 lm	



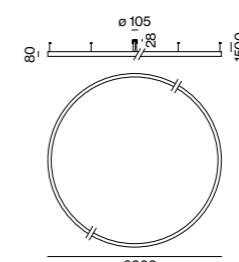
### MINO 60 CIRCLE 3000 suspended



**DIRECT**

SYSTEM POWER	COLOUR TEMP.	LUMINOUS FLUX	ORDER CODE
198 W	3000 K	23000 lm	0 3 4 - 2 2 1 4 :: 3 7 H
	4000 K	24300 lm	

other configurations see MINO 60 CURVE system



### MINO 60 CIRCLE 6000 suspended



**DIRECT**

SYSTEM POWER	COLOUR TEMP.	LUMINOUS FLUX	ORDER CODE
396 W	3000 K	45900 lm	0 3 4 - 2 2 1 6 :: 3 7 H
	4000 K	48600 lm	

other configurations see MINO 60 CURVE system

### Acoustic elements

see page 606

LUMINOUS FLUX value calculated for CRI ≥ 80, colour white, cover opal

**Private Residence SPV29**  
Sofia, BG –  
by ALL in STUDIO LTD  
including lighting design





**Crown Square's Lobby**  
Warsaw, PL



**Vifor Pharma** St. Gallen, CH –  
by Aroma Architecture -  
Alessandro Nicotra with lighting  
design by SLG Lichtdesigner



← back



# MINO CIRCLE

acoustic elements

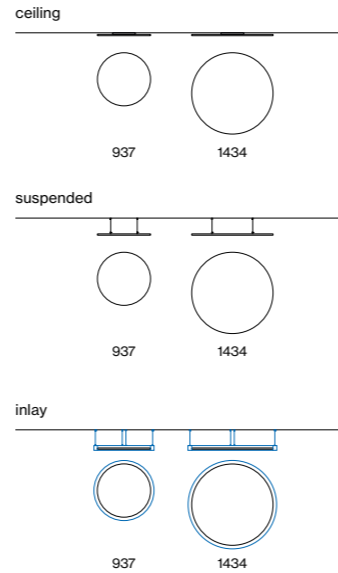
**EN** Acoustic element made of high-quality, self-supporting, recycled PET felt with sound absorbing properties; round design; high-quality visual and tactile surface; absorption of direct sound and sound reflected from the ceiling; this creates high acoustic performance; for insertion into MINO circle ceiling and MINO circle suspended; or single installation, choice of surface mounted and pendant versions with cable suspension; tool-less suspension height adjustment of the acoustic element

**DE** Akustikelement aus hochwertigem, selbsttragendem, recyceltem PET-Filz mit schallabsorbierenden Eigenschaften; Bauform rund; optisch und haptisch hochwertige Oberfläche; Absorption des Direktschalls und des von der Decke reflektierten Schalls; dadurch hohe akustische Performance; zum Einlegen in MINO circle ceiling und MINO circle suspended; oder Einzelmontage, wahlweise angebaute oder abgehängte Variante mit Seilabhängung; werkzeuglose Höhenverstellung am Akustikelement

## Quickinfo

PET felt  
 ♻️ from recycled material  
 up to absorption class A  
 🔥 B-s1, d0

## Types



## Colours



## Order options

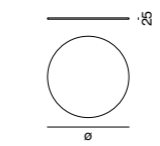
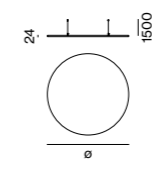
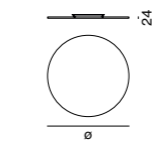
**MATERIAL COLOUR**

white W

marble grey D

black L

other colours on request



## MINO CIRCLE ACOUSTIC ceiling

ACOUSTIC ELEMENT		
TYPE	Ø-H (mm)	ORDER CODE
1000 ceiling	937-25	034-271111 <input checked="" type="checkbox"/>
1500 ceiling	1434-25	034-271211 <input checked="" type="checkbox"/>

## MINO CIRCLE ACOUSTIC suspended

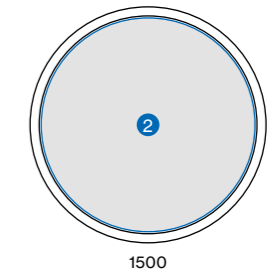
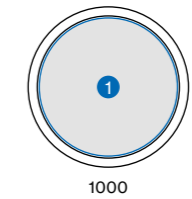
ACOUSTIC ELEMENT		
TYPE	L-W-H (mm)	ORDER CODE
1000 suspended	937-25	034-272111 <input checked="" type="checkbox"/>
1500 suspended	1434-25	034-272211 <input checked="" type="checkbox"/>

cable suspension 1500 mm

## MINO CIRCLE ACOUSTIC inlay

ACOUSTIC ELEMENT		
TYPE	L-W-H (mm)	ORDER CODE
1 MINO circle 1000	937-25	034-270111 <input checked="" type="checkbox"/>
2 MINO circle 1500	1434-25	034-270211 <input checked="" type="checkbox"/>

only in combination with MINO 60 CIRCLE ceiling or MINO 60 CIRCLE suspended; acoustic inlay for MINO 60 CIRCLE suspended with central canopy on request;



easy mounting



recycled material

**Planday** Copenhagen, DK –  
lighting design by anker & co



# Elegance at work

## LITO

**EN** LITO is a versatile, elegant, and strikingly slim office luminaire. It is available in three standard colours: white, black, and grey. The available versions comply with the standard specifications for workstations. LITO with a microprismatic cover ensures homogeneous illumination, while the reflector version with faceted optics casts directed, glare-free light onto the work surface. LITO comes with a 170° wide beam indirect light to provide pleasant ceiling illumination. Optionally equipped with a brightness & presence sensor, LITO reacts dynamically to people in the office and changing daylight. This generates a friendly working environment and saves energy.

**DE** LITO ist eine vielseitige, elegante und auffallend schmale Office-Leuchte in drei Standardfarben: Weiß, Schwarz und Grau. Die verfügbaren Varianten entsprechen den Normvorgaben für Arbeitsplätze: LITO mit mikroprismatischer Abdeckung sorgt für eine homogene Ausleuchtung, während die Reflektor-Variante mit Facettenoptik gerichtetes, entblendetes Licht auf die Arbeitsfläche lenkt. Für eine angenehme Deckenaufhellung bietet LITO ein 170° weit abstrahlendes Indirektlicht. Wahlweise ausgestattet mit einem Helligkeits- und Anwesenheitssensor reagiert LITO dynamisch auf Menschen im Büro und sich veränderndes Tageslicht – das schafft ein angenehmes Arbeitsumfeld und spart Energie.

### Type



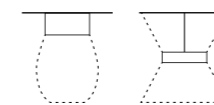
60

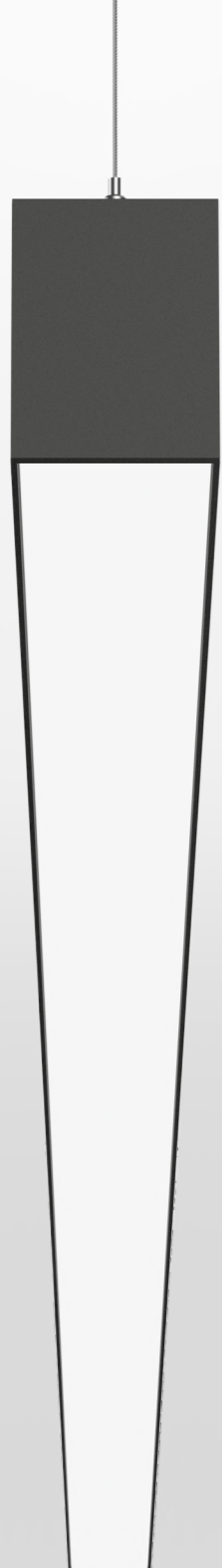
### Mounting



suspended

### Light distributions

microprismatic  
(UGR ≤ 19)direct  
indirect



# LITO 60

suspended

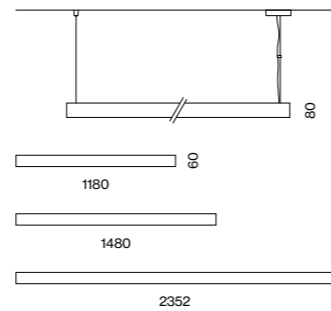
**EN** Luminaire housing from extruded aluminium profile, angular design; no visible screws; surface powder coated; suspended; with integrated tool-less suspension height adjustment; spring clip attachment to the luminaire; freely positionable; with transparent feeder cable; light inset made from extruded profile for improved thermal management; micro prismatic PMMA diffuser incl. diffuser film for homogeneous illumination and reduced luminance; direct / indirect light distribution; indirect light component with integrated PC boards for maximum, homogeneous ceiling illumination; energy-efficient LEDs with very good colour rendering

**DE** Leuchtenkörper aus Aluminiumstrangpressprofil, kantige Ausführung; keine sichtbaren Schrauben; Oberfläche pulverbeschichtet; abgependelt; werkzeuglose Höhenverstellung an der Leuchte; Befestigung an der Leuchte mittels Federclips; frei positionierbar; inkl. transp. Einspeiseleitung; Lichteinsatz aus Strangpressprofil für verbessertes Thermomanagement; mikroprismatische PMMA-Abdeckung inkl. Diffusorfolie zur Reduktion der Leuchtdichte bei homogener Ausleuchtung; direkt / indirekte Abstrahlcharakteristik; Indirektlichtanteil mit eigenen Platinen für maximale, homogene Deckenaufhellung; energieeffiziente LEDs mit sehr guter Farbwiedergabe

## Quickinfo

3000K, 4000K  
 CRI ≥ 80, 3 SDCM  
 up to 116lm/W  
 L90 @ 50 000h  
 non DIM, DALI-2  
 brightness & presence sensor  
 microprismatic (UGR ≤ 19)

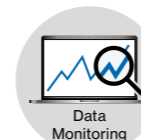
## Types



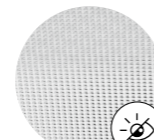
## Colours



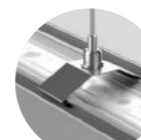
## Light distribution



DiiA® standards  
251, 252, 253



microprismatic  
(UGR ≤ 19)



suspension freely  
positionable



170° indirect  
illumination

## Order options

COLOUR TEMPERATURE	
3000K	5
4000K	6

CONTROL	
non DIM	1
DALI-2	3
ESSENTIAL sensor (brightness & presence)	7

MATERIAL COLOUR	
○ pure white RAL 9010	7
● white aluminium RAL 9006	G
● jet black RAL 9005	8

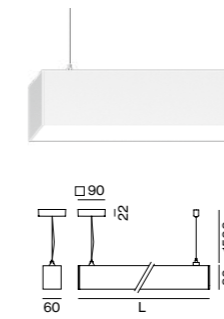
**LIGHT OPTIC COVER**  
 microprismatic (UGR ≤ 19)

## Options on request

**COLOUR RENDERING INDEX**  
 CRI ≥ 90

**CONTROL**  
 dynamic daylight control

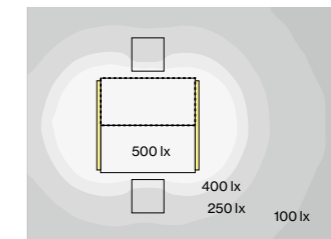
## LITO 60 suspended



## DIRECT / INDIRECT

SYS. POWER	COLOUR TEMP.	LUM. FLUX	L (mm)	ORDER CODE
41W	3000K	↓ 2610 / ± 1880lm	1180	0 4 6 - 5 2 2 4 :: ▢ ▢ Z
	4000K	↓ 2760 / ± 1990lm		
51W	3000K	↓ 3260 / ± 2350lm	1480	0 4 6 - 5 2 2 5 :: ▢ ▢ Z
	4000K	↓ 3450 / ± 2480lm		
82W	3000K	↓ 5220 / ± 3750lm	2352	0 4 6 - 5 2 2 8 :: ▢ ▢ Z
	4000K	↓ 5520 / ± 3980lm		

## Technical data



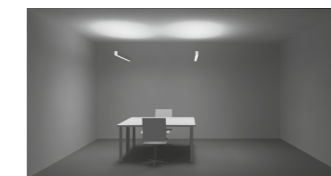
**LITO 60 suspended, 51W, 4000K**  
 direct/indirect

**ROOM VALUES**

Room dimensions	5.4 × 4 × 2.8m
Reflection factor	0.7   0.5   0.2
Maintenance factor	0.8
Mounting height	2.25m

**CALCULATION SURFACE** .....

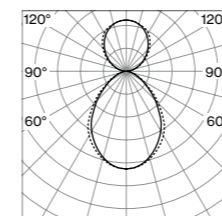
Surface dimensions	1.6 × 0.8
Surface height	0.75
Average illuminance (E <sub>m</sub> )	> 500lx
Uniformity (U <sub>0</sub> )	> 0.6



**GLARE EVALUATION**

Table Classification X=4H   Y=8H   S=0.25H	
UGR transversal	≤ 19
UGR axial	≤ 19

## Light distribution



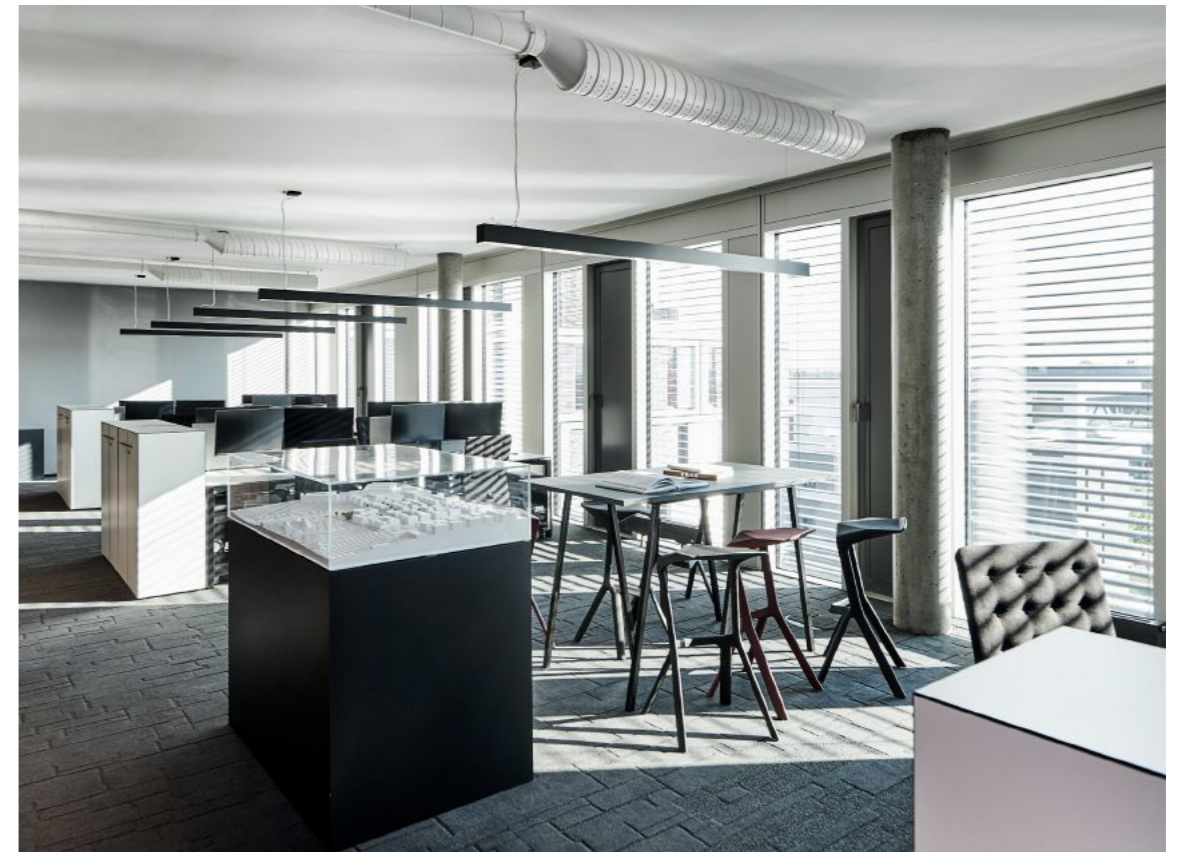
microprismatic  
 direct/indirect

**LUMINOUS FLUX** value calculated for  
 CRI ≥ 80, colour white, cover microprismatic





**Deutsche Wohnwerte GmbH & Co. KG**  
Heidelberg, DE - by brandherm + krumrey  
with lighting design by notholt lighting design



# Enlightened by acoustics

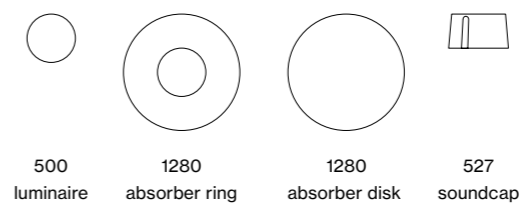


## SONIC

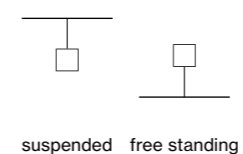
**EN** SONIC optimises lighting and room acoustics in one. The optional absorber elements emphasise the luminaire's modern design and ensure a pleasant acoustic environment. Alternatively, you can combine SONIC with sound-absorbing luminaire shades in 14 different colours. The cover with embossed microprisms promises outstanding lighting quality and workplace-friendly light. SONIC is available in the light colours 3000K or 4000K, and can be selected with a brightness and movement sensor, allowing the luminaire to react actively and energy-efficiently to its environment.

**DE** Mit SONIC optimieren Sie Beleuchtung und Raumakustik in einem. Die optionalen Absorber-Elemente unterstreichen das moderne Design der Leuchte und sorgen für ein angenehmes akustisches Umfeld. Alternativ können Sie SONIC mit schallabsorbierenden Leuchtschirmen in 14 verschiedenen Farben kombinieren. Die Abdeckung mit geprägten Mikroprismen verspricht sehr gute Lichtqualität und arbeitsplatztaugliches Licht. SONIC ist in den Lichtfarben 3000K bzw. 4000K verfügbar und kann auch mit einem Helligkeits- und Bewegungssensor ausgewählt werden – so reagiert die Leuchte aktiv und energieeffizient auf ihre Umwelt.

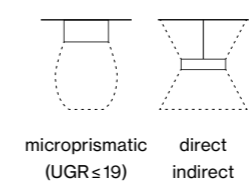
### Types



### Mountings



### Light distributions





## SONIC

suspended

EN Conical light housing in die-cast aluminium; powder coated; pendant fitting with cable suspension; with integrated tool-less suspension height adjustment; incl. transparent feed or with height adjustable rod suspension (chrome), feed in rod; direct/indirect light distribution; indirect component – special PCBs for increased luminous flux (max. ceiling illumination); completely homogeneous illumination; energy-eff. LEDs – very good colour rendering; canopy for through wiring; acoustic elements made of high-quality, self-supporting, recycled PET felt (high acoustic performance by doubling the material) or as an acoustically effective lampshade (large selection of colours) with sound absorbing properties

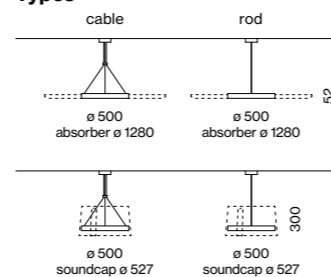
DE Konischer Leuchtenkörper aus Aluminium-druckguss; pulverbeschichtet; abgependelt mit Seilabhängung; werkzeuglose Höhenverstellung an der Leuchte; inkl. transparenter Einspeiseleitung oder mit kürzbarer Pendelrohrabhängung (chrom), Einspeiseleitung in Pendelrohr; direkt/indirekte Abstrahlcharakteristik; Indirektlichtant. – eigene Platinen f. erhöhten Lichtstrom (max. Deckenaufhellung); absolut homogene Ausleuchtung; energieeff. LEDs – sehr gute Farbwiedergabe; Baldachin für Weiterverdrahtung; Akustikelemente aus hochwertigem, selbsttragendem, recyceltem PET-Filz (hohe akustische Performance durch Materialaufdopplung) oder als akustisch wirksamer Leuchtschirm (große Farbauswahl) mit schallabsorbierenden Eigenschaften

### Quickinfo

3000K, 4000K  
CRI ≥ 80, 3 SDCM  
up to 152lm/W  
L90 @ 50 000h  
DALI-2  
brightness & presence sensor  
microprismatic (UGR ≤ 19)

acoustic elements  
♻️ from recycled material  
🔥 available as B-s1, d0

### Types



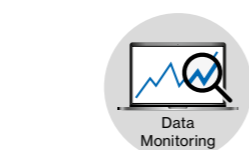
### Luminaire colours



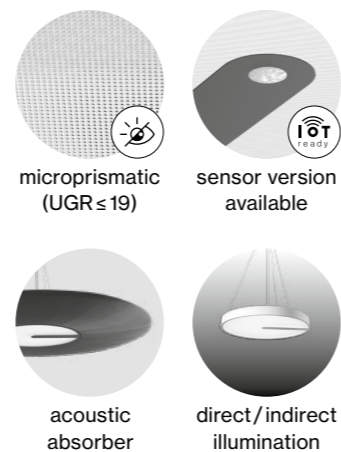
### Acoustic colours




### Light distribution





DiiA® standards  
251, 252, 253





### Order options

**SUSPENSION**   
cable 1500mm 2  
rod 1000mm 4

**COLOUR TEMPERATURE**   
3000K 5  
4000K 6

**CONTROL**   
DALI-2 3  
ESSENTIAL sensor  
(brightness & presence) 7

**LUMINAIRE COLOUR**   
○ pure white RAL 9010 7  
● black grey RAL 7021 6  
● special colours\*  p. 992 X  
\*canopy always in white

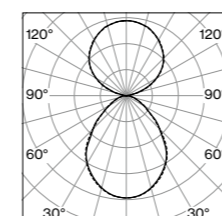
**ACOUSTIC COLOUR**   
○ white W  
● marble grey D  
● felt grey G  
● black L  
● special colours  p. 992 X

**LIGHT OPTIC COVER**  
microprismatic (UGR ≤ 19)

### Options on request

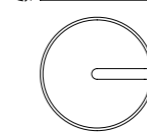
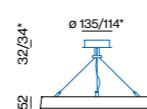
**COLOUR RENDERING INDEX**  
CRI ≥ 90

### Light distribution

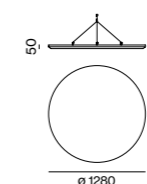
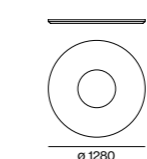


microprismatic  
direct/indirect

**LUMINOUS FLUX** value calculated for  
CRI ≥ 80, colour white, cover microprismatic







\*rod version



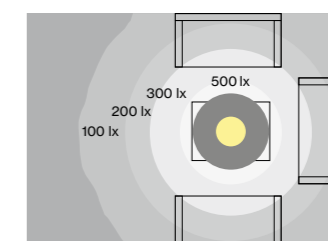
### SONIC suspended



### DIRECT/INDIRECT

SYSTEM POWER	COLOUR TEMP.	LUMINOUS FLUX	ORDER CODE
69W	3000K	↓ 5000/± 4940lm	0 5 9 - 7 7 2 1 1 ::     P
	4000K	↓ 5290/± 5230lm	

### Technical data



**SONIC** suspended, 69W, 4000K  
direct/indirect with absorber

**ROOM VALUES**  
Room dimensions 5.4 × 4 × 2.8m  
Reflection factor 0.7 | 0.5 | 0.2  
Maintenance factor 0.8  
Mounting height 2.25m

**CALCULATION SURFACE**  
Surface dimensions Floor  
Surface height 0.5m



**GLARE EVALUATION**  
Table Classification X=4H | Y=8H | S=0.25H  
UGR transversal ≤ 19  
UGR axial ≤ 19

### Acoustic elements

#### SONIC ABSORBER ring

COLOUR	Ø-H (mm)	ORDER CODE
white	1280-50	0 5 9 - 7 7 1 1 1 1 W
marble grey	1280-50	0 5 9 - 7 7 1 1 1 1 D
black	1280-50	0 5 9 - 7 7 1 1 1 1 L

only in combination with SONIC suspended or SONIC free standing

#### SONIC ABSORBER DISK suspended

COLOUR	Ø-H (mm)	ORDER CODE
white	1280-50	0 5 9 - 7 7 2 2 1 1 W
marble grey	1280-50	0 5 9 - 7 7 2 2 1 1 D
black	1280-50	0 5 9 - 7 7 2 2 1 1 L

cable suspension 1500mm

#### SONIC SOUNDCAP

TYPE	Ø-H (mm)	ORDER CODE
soundcap	527-300	0 5 9 - 7 7 3 1 1 1 

only in combination with SONIC suspended or SONIC free standing;  
bracket colour white; other bracket colours on request;



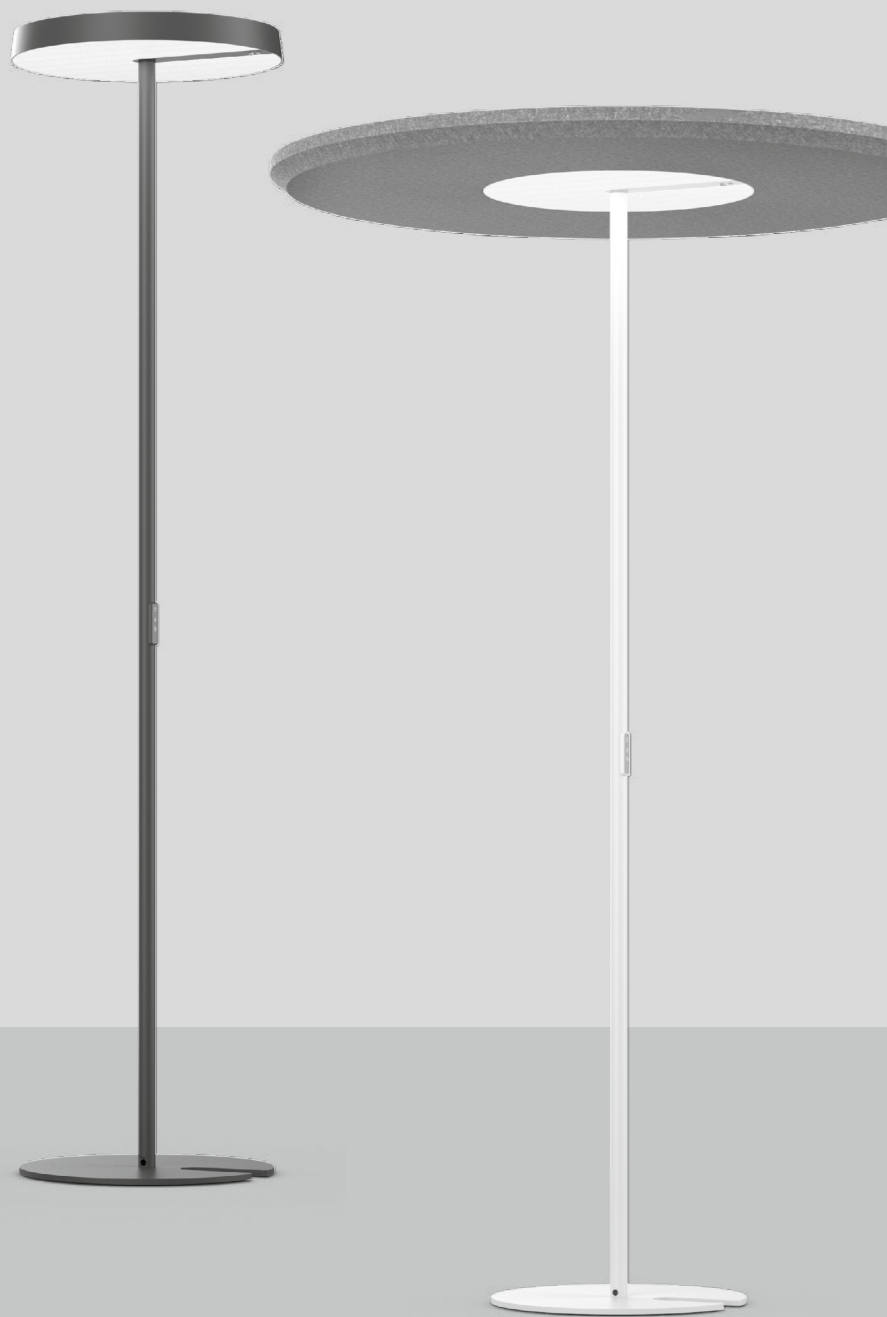
C&P Immobilien AG headquarters  
Graz, AT – by INNOCAD Architektur ZT



**Secure Link** Antwerp, BE –  
by PROJECTARCHITECTUUR  
including lighting design



← back



# SONIC

free standing

**EN** Free standing luminaire with conical luminaire head in die-cast aluminium; powder coated; round aluminium downpipe arranged centralised or decentralised; round pedestal with recess for table base; direct/indirect light distribution; indirect component – special PCBs for increased luminous flux (max. ceiling illumination); optional: indirect component with special, inclined PCBs for asymmetric radiation characteristic; completely homogeneous illumination; energy-eff. LEDs – very good colour rendering; incl. connection cable (3 m) with safety plug; acoustic elements made of high-quality, self-supporting, recycled PET felt (high acoustic performance by doubling the material) or as an acoustically effective lampshade (large selection of colours) with sound absorbing properties

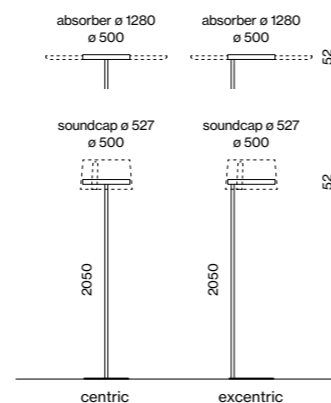
**DE** Stehleuchte mit konischem Leuchtenkopf aus Aluminiumdruckguss; pulverbeschichtet; rundes Aluminiumstandrohr wahlweise zentral oder dezentral angeordnet; runder Standfuß mit Ausnehmung für Tischfuß; direkt/indirekte Abstrahlcharakteristik; Indirektlichtant. – eigene Platinen f. erhöhten Lichtstrom (max. Deckenaufhellung); optional: Indirektlichtanteil mit eigenen, schräg gerichteten Platinen für asymmetrische Abstrahlcharakteristik; absolut homogene Ausleuchtung; energieeff. LEDs – sehr gute Farbwiedergabe; inkl. Anschlussleitung (3m) mit Schutzkontaktstecker; Akustikelemente aus hochwertigem, selbsttragendem, recyceltem PET-Filz (hohe akustische Performance durch Materialaufdopplung) oder als akustisch wirksamer Leuchtschirm (große Farbauswahl) mit schallabsorbierenden Eigenschaften

## Quickinfo

3000K, 4000K  
 CRI ≥ 80, 3 SDCM  
 UGR ≤ 19 / 65° ≤ 3000 cd/m²  
 up to 152lm/W  
 L90 @ 50 000h  
 non DIM, touch DIM on pole  
 brightness & presence sensor  
 microprismatic (UGR ≤ 19)

acoustic elements  
 ♻️ from recycled material  
 🔥 available as B-s1, d0

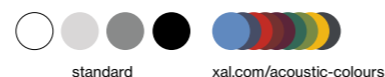
## Types



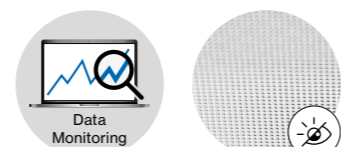
## Luminaire colours



## Acoustic colours



## Light distribution



DiiA® standards 251, 252, 253  
 microprismatic (UGR ≤ 19)



sensor version available  
 direct/indirect illumination

## Order options

COLOUR TEMPERATURE	
3000K	5
4000K	6

CONTROL	
non DIM switch	1
touch DIM on pole	5
ESSENTIAL sensor (brightness & presence)	7

LUMINAIRE COLOUR	
○ pure white RAL 9010	7
● black grey RAL 7021	6
● special colours p.992	X

ACOUSTIC COLOUR	
○ white	W
● marble grey	D
● felt grey	G
● black	L
● special colours p.992	X

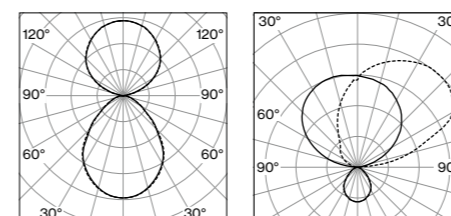
LIGHT OPTIC COVER	
microprismatic (UGR ≤ 19)	

## Options on request

COLOUR RENDERING INDEX	
CRI ≥ 90	

CONTROL	
cluster network DIM	
dynamic daylight control (BPI)	
Zigbee 3.0	

## Light distributions



microprismatic direct/indirect  
 microprismatic direct/indirect asym. power

LUMINOUS FLUX value calculated for CRI ≥ 80, colour white, cover microprismatic

## SONIC centric pole free standing



DIRECT/INDIRECT		ORDER CODE	
SYSTEM POWER	COLOUR TEMP.	LUMINOUS FLUX	
69W	3000K	↓ 5000/± 4940lm	0 5 9 - 7 9 2 1 :: ▣ ▣ P
	4000K	↓ 5290/± 5230lm	

DIRECT/INDIRECT ASYMMETRIC POWER		ORDER CODE	
SYSTEM POWER	COLOUR TEMP.	LUMINOUS FLUX	
98W	3000K	↓ 2580/± 9300lm	0 5 9 - 7 9 4 1 :: ▣ ▣ P
	4000K	↓ 2730/± 9960lm	

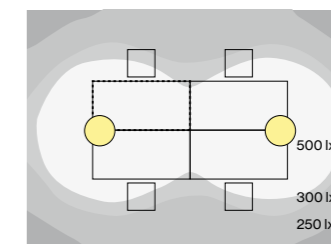
## SONIC excentric pole free standing



DIRECT/INDIRECT		ORDER CODE	
SYSTEM POWER	COLOUR TEMP.	LUMINOUS FLUX	
69W	3000K	↓ 5000/± 4940lm	0 5 9 - 7 9 2 2 :: ▣ ▣ P
	4000K	↓ 5290/± 5230lm	

DIRECT/INDIRECT ASYMMETRIC POWER		ORDER CODE	
SYSTEM POWER	COLOUR TEMP.	LUMINOUS FLUX	
98W	3000K	↓ 2580/± 9300lm	0 5 9 - 7 9 4 2 :: ▣ ▣ P
	4000K	↓ 2730/± 9960lm	

## Technical data



SONIC excentric pole free standing  
 69W, 4000K, direct/indirect

ROOM VALUES	
Room dimensions	5.4 × 4 × 2.8m
Reflection factor	0.7   0.5   0.2
Maintenance factor	0.8

CALCULATION SURFACE	
Surface dimensions	1.6 × 0.8
Surface height	0.75
Average illuminance (E <sub>m</sub> )	> 500 lx
Uniformity (U <sub>0</sub> )	> 0.6



GLARE EVALUATION	
Table Classification X=4H   Y=8H   S=0.25H	
UGR transversal	≤ 19
UGR axial	≤ 19

## Acoustic elements

### SONIC ABSORBER ring

COLOUR	Ø-H (mm)	ORDER CODE
white	1280-50	0 5 9 - 7 7 1 1 1 1 W
marble grey	1280-50	0 5 9 - 7 7 1 1 1 1 D
black	1280-50	0 5 9 - 7 7 1 1 1 1 L

only in combination with SONIC centric pole free standing;  
 for SONIC ABSORBER DISK suspended see p.619

### SONIC SOUNDCAP

TYPE	Ø-H (mm)	ORDER CODE
soundcap	527-300	0 5 9 - 7 7 3 1 1 1 ▣

only in combination with SONIC suspended or SONIC free standing;  
 bracket colour white; other bracket colours on request

**DocSander - Dentist Practice  
Room** Munich, DE –  
by architopia\_christine detering  
gramming Architekten



**Lotus Bakeries** Baar, CH –  
lighting design by Lilarosso

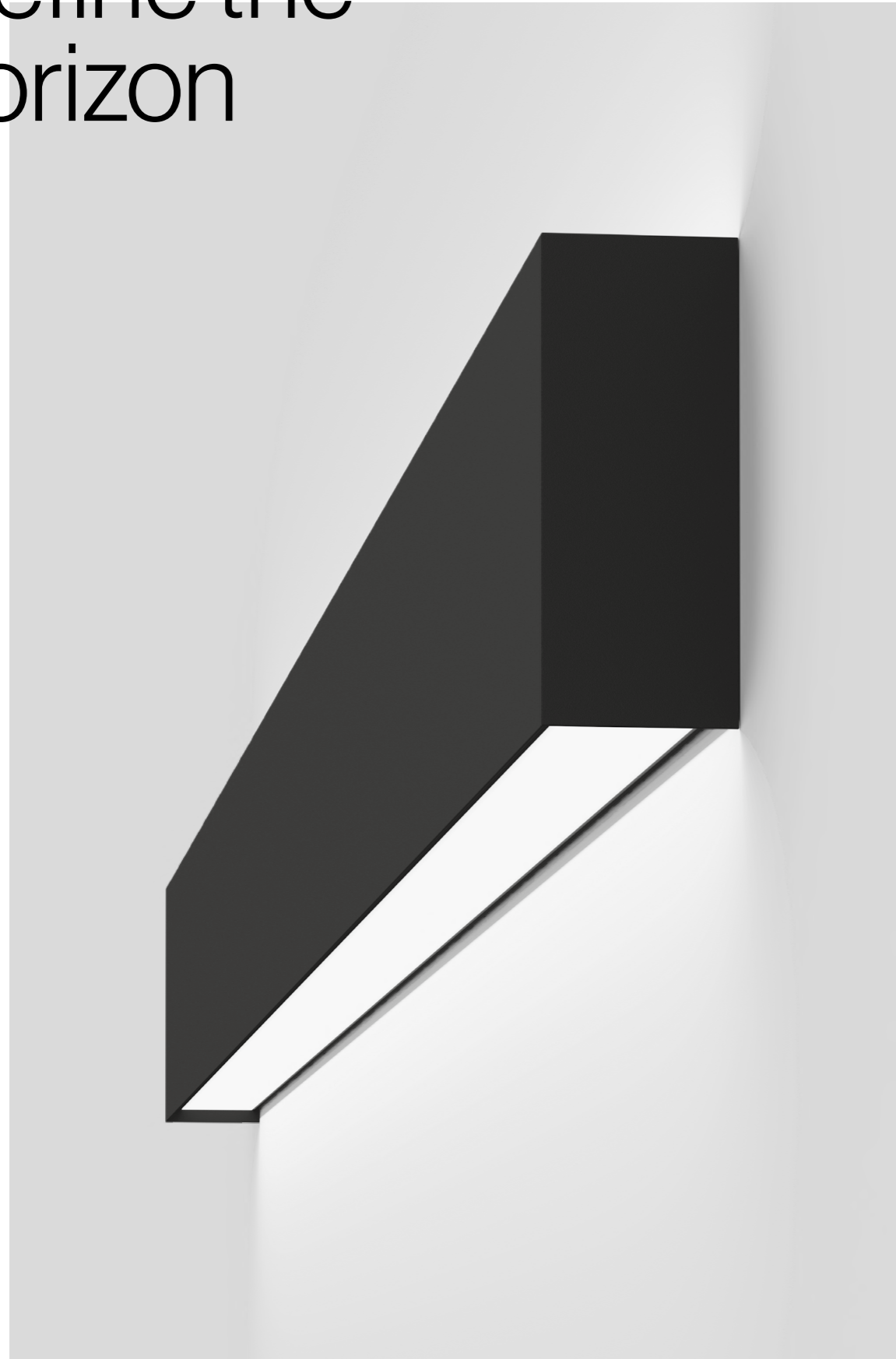




**Borealis AG** Vienna, AT –  
by burghardt zt gesmbh



# Define the horizon

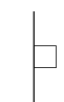


## LINEA

**EN** Elegant room accentuation, highest performance. LINEA is a reduced, convertible luminaire for stylish wall, floor, and ceiling illumination. The extraordinarily narrow wall profile is completed by various lighting insets. Different beam patterns can be easily combined. For example, an opal cover for homogeneous illumination and asymmetrical illumination for brightening floors or ceilings. Spotlights can be chosen for elegant accentuation or as reading lights. LINEA is available as an individual decorative luminaire in different lengths. Choose between white, black, and special colours for the profile. The inserts optionally have a colour rendering of up to  $\text{CRI} \geq 98$ . In addition, the light inserts themselves can be selected in the light colours 2700K, 3000K, 4000K, or as a Tunable White option.

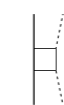
**DE** Elegante Raumakzentuierung und höchste Performance: LINEA ist eine reduzierte, jedoch wandelbare Leuchte für die stilvolle Wand-, Boden- und Deckenaufhellung. Das außerordentlich schmale Wandprofil wird durch unterschiedliche Lichteinsätze vervollständigt. Verschiedene Abstrahlcharakteristiken lassen sich einfach kombinieren: beispielsweise Opal-Cover für die homogene Ausleuchtung sowie asymmetrische Beleuchtung für Boden- oder Deckenaufhellung. Spots können zur eleganten Akzentuierung oder als Leselicht gewählt werden. LINEA ist als dekorative Einzelleuchte in verschiedenen Längen verfügbar. Bei der Profilfarbe haben Sie die Wahl zwischen Weiß, Schwarz und Spezialfarben. Die Inserts verfügen wahlweise über eine Farbwiedergabe von bis zu  $\text{CRI} \geq 98$ . Außerdem können die Lichteinsätze selbst in den Lichtfarben 2700K, 3000K, 4000K oder als Tunable White Option gewählt werden.

### Mounting

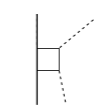


wall

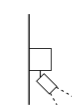
### Light distributions



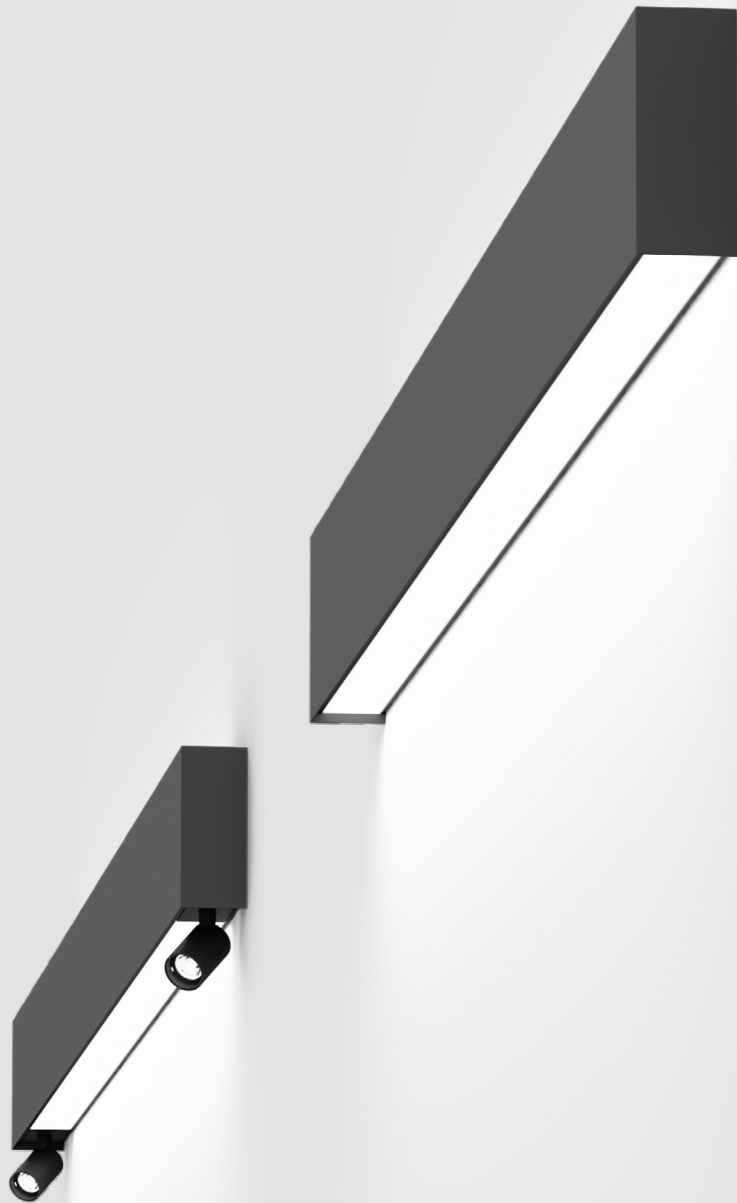
opal  
opal



asymmetric  
opal



spot



## LINEA

wall

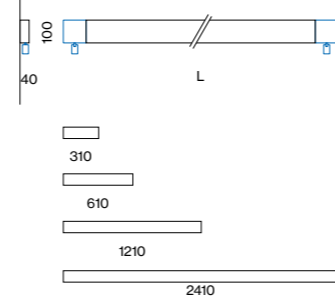
**EN** Luminaire housing and front cover from extruded aluminium profile, angular version; no visible screws; surface powder coated; suitable for wall mounting; homogeneous wall or ceiling illumination through uniform direct/indirect light distribution; HPO (High Performance Opal) cover for uniform illumination; or with specially computed, asymmetrical lens for homogeneous lighting intensity (installation optionally for floor or ceiling illumination); energy-efficient LEDs with very good colour rendering; optionally with switch for the JUST 26 spotlight modules

**DE** Leuchtenkörper und Frontabdeckung aus Aluminiumstrangpressprofil, kantige Ausführung; keine sichtbaren Schrauben; Oberfläche pulverbeschichtet; geeignet für Wandmontage; homogene Wand- bzw. Deckenaufhellung durch gleichmäßige direkt/indirekte Lichtverteilung; HPO (High Performance Opal) Abdeckung für homogene Ausleuchtung; oder mit speziell berechneter, asymmetrischer Linse für homogene Beleuchtungsstärken (Montage wahlweise zur Boden- oder Deckenaufhellung); energieeffiziente LEDs mit sehr guter Farbwiedergabe; optional mit Schalter für JUST 26 Strahlereinsätze

### Quickinfo

3000K, 4000K, TW  
CRI ≥ 90, 3 SDCM  
up to 117lm/W  
L85 @ 50 000 h  
non DIM, DALI-2

### Types



### Colours



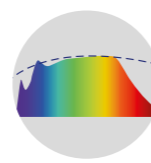
### Light distributions



asym./opal/ opal/ opal spot



system  
solution (p.960)



CRI ≥ 98  
XPECTRUM

### Order options

**COLOUR TEMPERATURE**

3000K	5
4000K	6
tunable white 2700–5000K*	D

\*available from L 610 mm | DALI-2 DT8

**CONTROL**

non DIM	1
non DIM/ switch (only spotlights)	2
DALI-2	3
DALI-2/ switch (only spotlights)	4

**MATERIAL COLOUR**

○ pure white RAL 9010	7
● jet black RAL 9005	8

**SPOTLIGHT ALIGNMENT**

left	B
right	C
left and right	

spotlight(s) only with 3000K

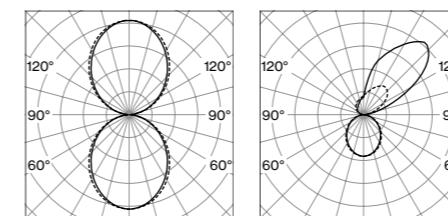
### Options on request

**COLOUR RENDERING INDEX**  
CRI ≥ 98 XPECTRUM

**COLOUR TEMPERATURE**  
2700K

**MATERIAL COLOUR**  
special colours

### Light distributions

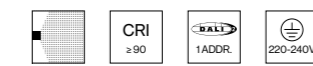


↓ opal high performance  
↑ opal high performance

↓ opal high performance  
↑ asymmetric

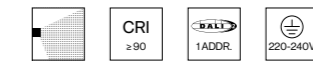
**LUMINOUS FLUX** value calculated for  
CRI ≥ 90, colour white, cover opal

### LINEA wall



#### ↓ OPAL HIGH PERFORMANCE / ↑ OPAL HIGH PERFORMANCE

SYS. POWER	COLOUR TEMP.	LUMINOUS FLUX	L (mm)	ORDER CODE
14.7W	3000K	↓ 648/↑ 648lm	310	058-6171::↓↑AH
	4000K	↓ 715/↑ 715lm		
29.3W	3000K	↓ 1300/↑ 1300lm	610	058-6172::↓↑AH
	4000K	↓ 1430/↑ 1430lm		
59W	3000K	↓ 2590/↑ 2590lm	1210	058-6174::↓↑AH
	4000K	↓ 2860/↑ 2860lm		
111W	3000K	↓ 5190/↑ 5190lm	2410	058-6178::↓↑AH
	4000K	↓ 5720/↑ 5720lm		



#### ↓ OPAL HIGH PERFORMANCE / ↑ ASYMMETRIC

SYS. POWER	COLOUR TEMP.	LUMINOUS FLUX	L (mm)	ORDER CODE
14.7W	3000K	↓ 648/↑ 821lm	310	058-6171::↓↑AA
	4000K	↓ 715/↑ 906lm		
29.3W	3000K	↓ 1300/↑ 1640lm	610	058-6172::↓↑AA
	4000K	↓ 1430/↑ 1810lm		
59W	3000K	↓ 2590/↑ 3280lm	1210	058-6174::↓↑AA
	4000K	↓ 2860/↑ 3620lm		
111W	3000K	↓ 5190/↑ 6570lm	2410	058-6178::↓↑AA
	4000K	↓ 5720/↑ 7250lm		



#### ↓↑ OPAL HIGH PERFORMANCE / 1 SPOTLIGHT

SYS. POWER	COLOUR TEMP.	LUMINOUS FLUX	L (mm)	ORDER CODE
29.3W	3000K	↓ 1300/↑ 1300lm	710	058-6172::↓↑H
	4000K	↓ 1430/↑ 1430lm		
59W	3000K	↓ 2590/↑ 2590lm	1310	058-6174::↓↑H
	4000K	↓ 2860/↑ 2860lm		
111W	3000K	↓ 5190/↑ 5190lm	2510	058-6178::↓↑H
	4000K	↓ 5720/↑ 5720lm		



#### ↓↑ OPAL HIGH PERFORMANCE / 2 SPOTLIGHTS

SYS. POWER	COLOUR TEMP.	LUMINOUS FLUX	L (mm)	ORDER CODE
59W/2x6W	3000K	↓↑ 2590/3280lm	1410	058-6174::↓↑DH
	4000K	↓↑ 2860/3620lm		
111W/2x6W	3000K	↓↑ 5190/6570lm	2610	058-6178::↓↑DH
	4000K	↓↑ 5720/7250lm		



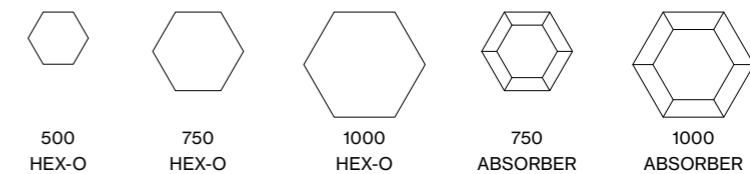
# Shaping the office environment

## HEX-O

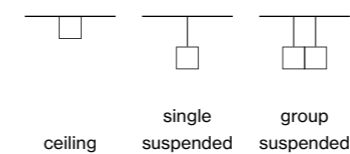
**EN** HEX-O is a sculptural light acoustics solution that features a modern design and fulfils two essential functions: lighting and room acoustics. State-of-the-art LED technology meets highly efficient acoustic elements to create an optimal working environment. The microprismatic cover provides glare-free light with  $UGR \leq 19$ . HEX-O with an opal cover creates a pleasant and homogeneous room illumination. The combinable polygonal acoustic elements made of 60% recycled PET fleece work through sound absorption and scattering for all-round balanced room acoustics.

**DE** HEX-O ist eine skulpturale Licht-Akustik-Lösung, die nicht nur durch ihr modernes Design überzeugt, sondern zwei wesentliche Funktionen erfüllt: Beleuchtung und Raumakustik. Modernste LED-Technologie trifft auf hocheffiziente Akustik Elemente, um ein optimales Arbeitsumfeld zu schaffen. Die mikroprismatische Abdeckung sorgt für blendfreies Licht mit  $UGR \leq 19$ . HEX-O mit Opal-Cover schafft eine angenehm homogene Raumausleuchtung. Die kombinierbaren polygonalen Akustik Elemente aus 60% recycelten PET-Vlies wirken durch Schallabsorption und gleichmäßige Streuung mehrfach für eine rundum ausgewogene Raumakustik.

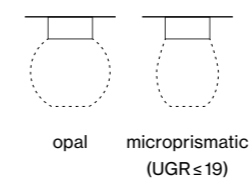
### Types



### Mountings



### Light distributions



## Recycled PET

EN HEX-O sound absorbers are made of optically high-quality PET fleece. The velvety, structured material is 60% recycled PET fleece and has optimal room-acoustic properties. A folding technique specially developed by XAL achieves completely smooth edges, which round off the acoustic bodies visually and in their acoustic efficiency.

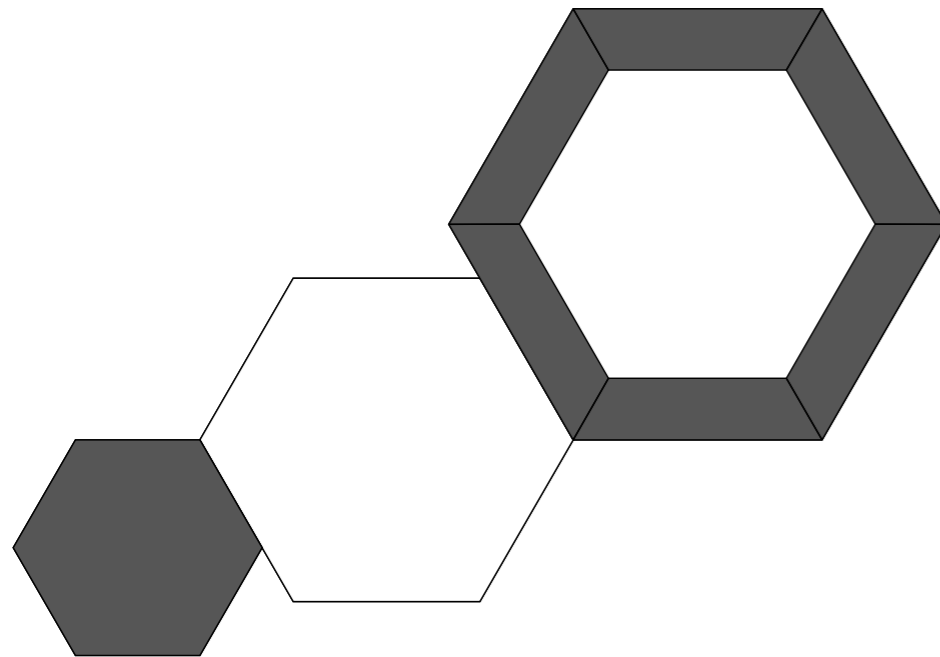
DE HEX-O Schallabsorber bestehen aus optisch hochwertigem PET-Vlies. Das samtige, strukturierte Material aus 60% recyceltem PET-Vlies verfügt über optimale raumakustische Eigenschaften. Eine von XAL speziell entwickelte Faltechnik erzielt vollständig glatte Kanten, welche die Akustikkörper optisch und in ihrer Schallwirksamkeit abrunden.



## Acoustic planning by XAL

EN Acoustic spatial planning calculates, measures, or simulates the behaviour of sound in a room. This planning includes, in particular, reverberation time and speech intelligibility. We create a bespoke concept from the results. Through close coordination with contracting planners and customers, we can achieve the optimum balance between light, ambience, and spatial acoustic conditions.

DE Bei einer akustischen Raumplanung berechnen, messen oder simulieren wir das Verhalten von Schall im Raum, darunter vor allem Nachhallzeit und Sprachverständlichkeit. Aus den Ergebnissen erstellen wir ein individuelles Konzept. Durch enge Abstimmung mit auftraggebenden Planern und Kunden können wir die optimale Balance zwischen Licht, Ambiente und raumakustischen Bedingungen erzielen.



## Sculpturing room acoustics

EN HEX-O effortlessly harmonises sound absorption and illumination. The flexible geometric elements can be arranged into decorative ceiling patterns and expanded at any time. The shape and surface of the three combinable acoustic components – Module, Flat, and Absorber – have multiple effects. The elements absorb higher, midlevel, and down to low frequencies, and scatter sound waves, resulting in noticeably balanced room acoustics.

DE HEX-O bringt Schallabsorption und Beleuchtung mühelos in Einklang. Die flexiblen, geometrischen Elemente lassen sich zu dekorativen Deckenbildern arrangieren und jederzeit erweitern. Form und Oberfläche der drei kombinierbaren Akustikelemente – Module, Flat und Absorber – wirken gleich mehrfach: Sie absorbieren hohe und mittlere bis tiefe Frequenzen und streuen Schall, mit dem Ergebnis einer spürbar ausgewogenen Raumakustik.

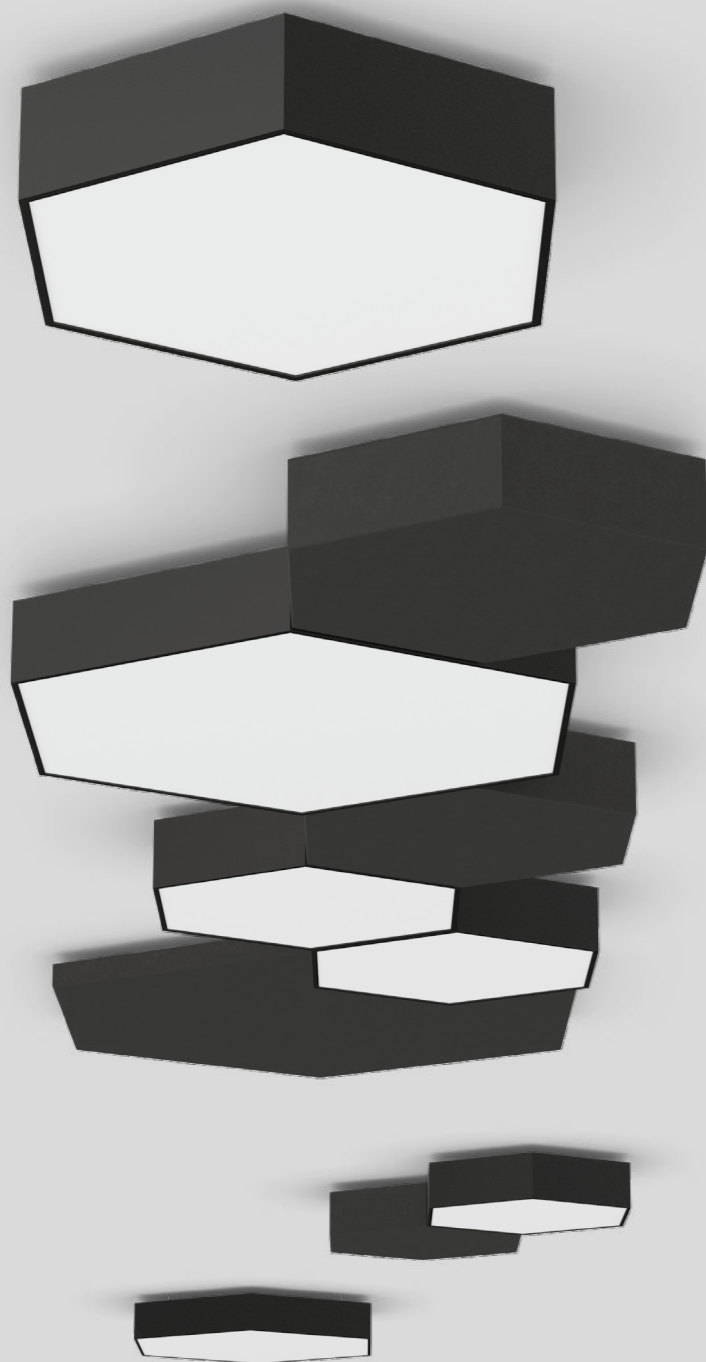
## Light and sound for office

EN HEX-O was developed explicitly for office environments. Anti-glare prisms embossed into the cover create a uniform and glare-free light at the workplace. A striking design language combines standard-compliant office lighting and optimal room acoustics.

DE HEX-O wurde speziell für Office-Umgebungen entwickelt. In die Abdeckung geprägte Entblendungsprismen schaffen gleichmäßiges und blendfreies Licht am Arbeitsplatz. Normgerechte Bürobeleuchtung und optimale Raumakustik – vereint in einer markanten Formensprache.



← back



# HEX-O

ceiling

EN Hexagonal luminaires & acoustic elements, suitable for single or group installation; quick mounting system without tools; light housing from extruded aluminium profile, seamlessly welded; surface powder coated; same luminance for all size versions; energy-efficient LEDs with very good colour rendering; plug-in terminals for through wiring; acoustic elements: MODULE in the luminaires' dimensions, FLAT with reduced height, ABSORBER to combine with other housings; acoustic element made of high-quality, recycled PET felt; improvement of room acoustics through absorption and scattering of sound waves

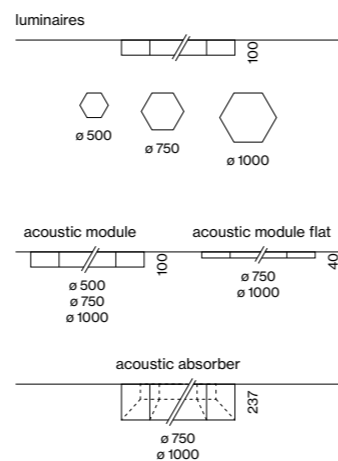
DE Sechseckige Leuchten & Akustikelemente, geeignet für Einzel- und Gruppenmontage; werkzeugloses Schnellmontagesystem; Leuchtenkörper aus Aluminiumstrangpressprofil, nahtlos verschweißt; Oberfläche pulverbeschichtet; gleiche Leuchtdichte bei allen Größenvarianten; energieeffiziente LEDs mit sehr guter Farbwiedergabe; Steckklemme für Weiterverdrahtung; Akustikelemente: MODULE in Abmessungen der Leuchten, FLAT mit reduzierter Höhe, ABSORBER zur Kombination mit anderen Körpern; Akustikelemente aus hochwertigem, recyceltem PET-Filz; Verbesserung der Raumakustik durch Absorption und Schallstreuung

## Quickinfo

3000K, 4000K  
 CRI ≥ 80, 3 SDCM  
 UGR ≤ 19 / 65° ≤ 3000 cd/m²  
 up to 142lm/W  
 L90 @ 50 000h  
 DALI-2  
 opal, microprismatic (UGR ≤ 19)

acoustic elements  
 up to absorption class A  
 available as B-s1, d0

## Types



## Luminaire colours



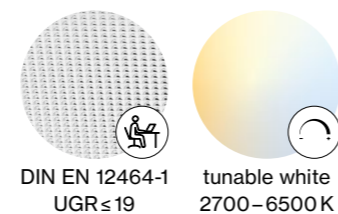
## Acoustic colours



## Light distribution



DiiA® standards  
 251, 252, 253



## Order options

COLOUR TEMPERATURE	
3000K	5
4000K	6

## CONTROL

DALI-2

## LUMINAIRE COLOUR

<input type="radio"/> pure white RAL 9010	7
<input checked="" type="radio"/> jet black RAL 9005	8
<input type="radio"/> special colours p.992	X

## ACOUSTIC COLOUR

<input type="radio"/> white	W
<input type="radio"/> marble grey	D
<input type="radio"/> felt grey	G
<input type="radio"/> black	L
<input type="radio"/> special colours p.992	X

## LIGHT OPTIC COVER

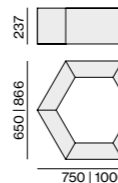
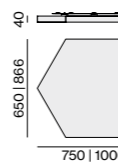
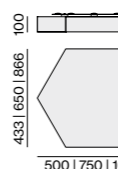
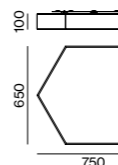
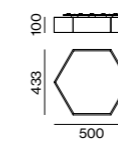
opal	O
microprismatic (UGR ≤ 19)	P

## Options on request

COLOUR RENDERING INDEX  
 CRI ≥ 90

## COLOUR TEMPERATURE

tunable white 2700-6500K  
 DALI-2 DT8



## HEX-O 500 ceiling



### SINGLE AND GROUP MOUNTING

SYSTEM POWER	COLOUR TEMP.	LUMINOUS FLUX	ORDER CODE
16.3W	3000K	2160lm	073-615113
	4000K	2290lm	

## HEX-O 750 ceiling



### SINGLE AND GROUP MOUNTING

SYSTEM POWER	COLOUR TEMP.	LUMINOUS FLUX	ORDER CODE
35W	3000K	4680lm	073-616113
	4000K	4960lm	

## HEX-O 1000 ceiling



### SINGLE AND GROUP MOUNTING

SYSTEM POWER	COLOUR TEMP.	LUMINOUS FLUX	ORDER CODE
68W	3000K	9110lm	073-617113
	4000K	9640lm	

## Acoustic elements

### HEX-O MODULE ceiling

#### SINGLE AND GROUP MOUNTING

TYPE	ORDER CODE
MODULE 500 ceiling	073-691510
MODULE 750 ceiling	073-691610
MODULE 1000 ceiling	073-691710

### HEX-O MODULE FLAT ceiling

#### SINGLE AND GROUP MOUNTING

TYPE	ORDER CODE
MODULE FLAT 750 ceiling	073-691620
MODULE FLAT 1000 ceiling	073-691720

### HEX-O ABSORBER

#### SINGLE AND GROUP MOUNTING

TYPE	ORDER CODE
ABSORBER 750*	073-691640
ABSORBER 1000**	073-691740

\*only in combination with HEX-O 500 or MODULE 500

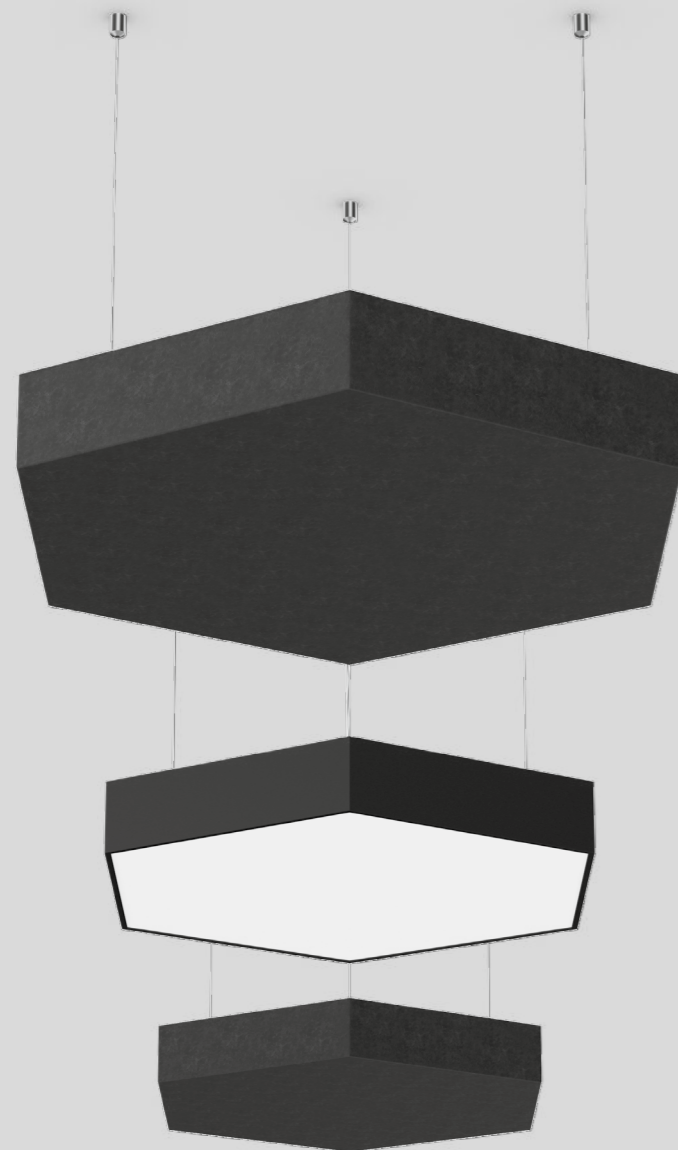
\*\*only in combination with HEX-O 750, MODULE 750 or FLAT 750

LUMINOUS FLUX value calculated for  
 CRI ≥ 80, colour white, cover opal





← back



## HEX-O

suspended (single mounted)

Hexagonal luminaires & acoustic elements; suitable for single installation; pendant fitting with cable suspension (3 cables); height adjustment without tools; light housing from extruded aluminium profile, seamlessly welded; powder coated; same luminance for all size versions; energy-efficient LEDs with very good colour rendering; transparent feed, canopy for through wiring (included); acoustic element made of high-quality, recycled PET felt: MODULE in the luminaires' dimensions, FLAT with reduced height, ABSORBER to combine with other housings; improvement of room acoustics (absorption & scattering of sound waves)

Sechseckige Leuchten & Akustikelemente; geeignet für Einzelmontage; abgependelt mit Seilabhängung (3 Seile); werkzeuglose Höhenverstellung; Leuchtenkörper aus Aluminiumstrangpressprofil, nahtlos verschweißt; pulverbeschichtet; gleiche Leuchtdichte bei allen Größenvarianten; energieeffiziente LEDs mit sehr guter Farbwiedergabe; transparente Einspeiseleitung, Baldachin für Weiterverdrahtung (inkludiert); Akustikelemente aus hochwertigem, recyceltem PET-Filz: MODULE in Abmessungen der Leuchten, FLAT mit reduzierter Höhe, ABSORBER zur Kombination mit anderen Körpern; Verbesserung der Raumakustik (Absorption & Schallstreuung)

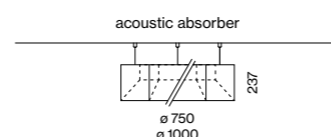
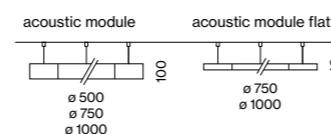
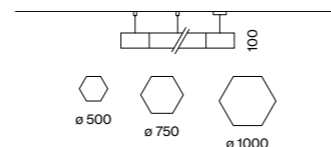
### Quickinfo

3000K, 4000K  
CRI ≥ 80, 3 SDCM  
UGR ≤ 19 / 65° ≤ 3000 cd/m<sup>2</sup>  
up to 142lm/W  
L90 @ 50 000h  
DALI-2  
opal, microprismatic (UGR ≤ 19)

acoustic elements  
up to absorption class A  
available as B-s1, d0

### Types

luminaires



### Luminaire colours



### Acoustic colours



### Light distribution

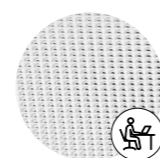


direct

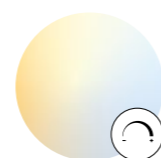


Data Monitoring

DiiA® standards  
251, 252, 253



DIN EN 12464-1  
UGR ≤ 19



tunable white  
2700-6500K

### Order options

COLOUR TEMPERATURE	
3000K	5
4000K	6

### CONTROL

DALI-2

### LUMINAIRE COLOUR

<input type="radio"/> pure white RAL 9010	7
<input type="radio"/> jet black RAL 9005	8
<input type="radio"/> special colours* p. 992	X

\*canopy in white or black

### ACOUSTIC COLOUR

<input type="radio"/> white	W
<input type="radio"/> marble grey	D
<input type="radio"/> felt grey	G
<input type="radio"/> black	L
<input type="radio"/> special colours p. 992	X

### LIGHT OPTIC COVER

<input type="radio"/> opal	O
<input type="radio"/> microprismatic (UGR ≤ 19)	P

### Options on request

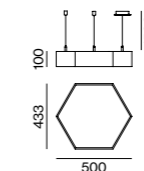
### COLOUR RENDERING INDEX

CRI ≥ 90

### COLOUR TEMPERATURE

tunable white 2700-6500 K

DALI-2 DT8

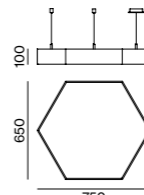


### HEX-O 500 suspended

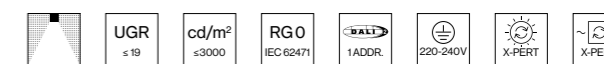


#### SINGLE MOUNTING

SYSTEM POWER	COLOUR TEMP.	LUMINOUS FLUX	ORDER CODE
16.3W	3000K	2160lm	073-625103
	4000K	2290lm	

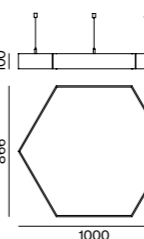


### HEX-O 750 suspended



#### SINGLE MOUNTING

SYSTEM POWER	COLOUR TEMP.	LUMINOUS FLUX	ORDER CODE
35W	3000K	4680lm	073-626103
	4000K	4960lm	



### HEX-O 1000 suspended



#### SINGLE MOUNTING

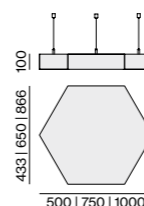
SYSTEM POWER	COLOUR TEMP.	LUMINOUS FLUX	ORDER CODE
68W	3000K	9110lm	073-627103
	4000K	9640lm	

### Acoustic elements

### HEX-O MODULE suspended

#### SINGLE MOUNTING

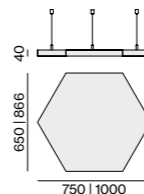
TYPE	ORDER CODE
MODULE 500 suspended	073-692510
MODULE 750 suspended	073-692610
MODULE 1000 suspended	073-692710



### HEX-O MODULE FLAT suspended

#### SINGLE MOUNTING

TYPE	ORDER CODE
MODULE FLAT 750 suspended	073-692620
MODULE FLAT 1000 suspended	073-692720



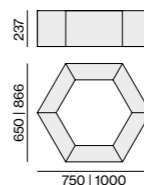
### HEX-O ABSORBER

#### SINGLE MOUNTING

TYPE	ORDER CODE
ABSORBER 750*	073-691640
ABSORBER 1000**	073-691740

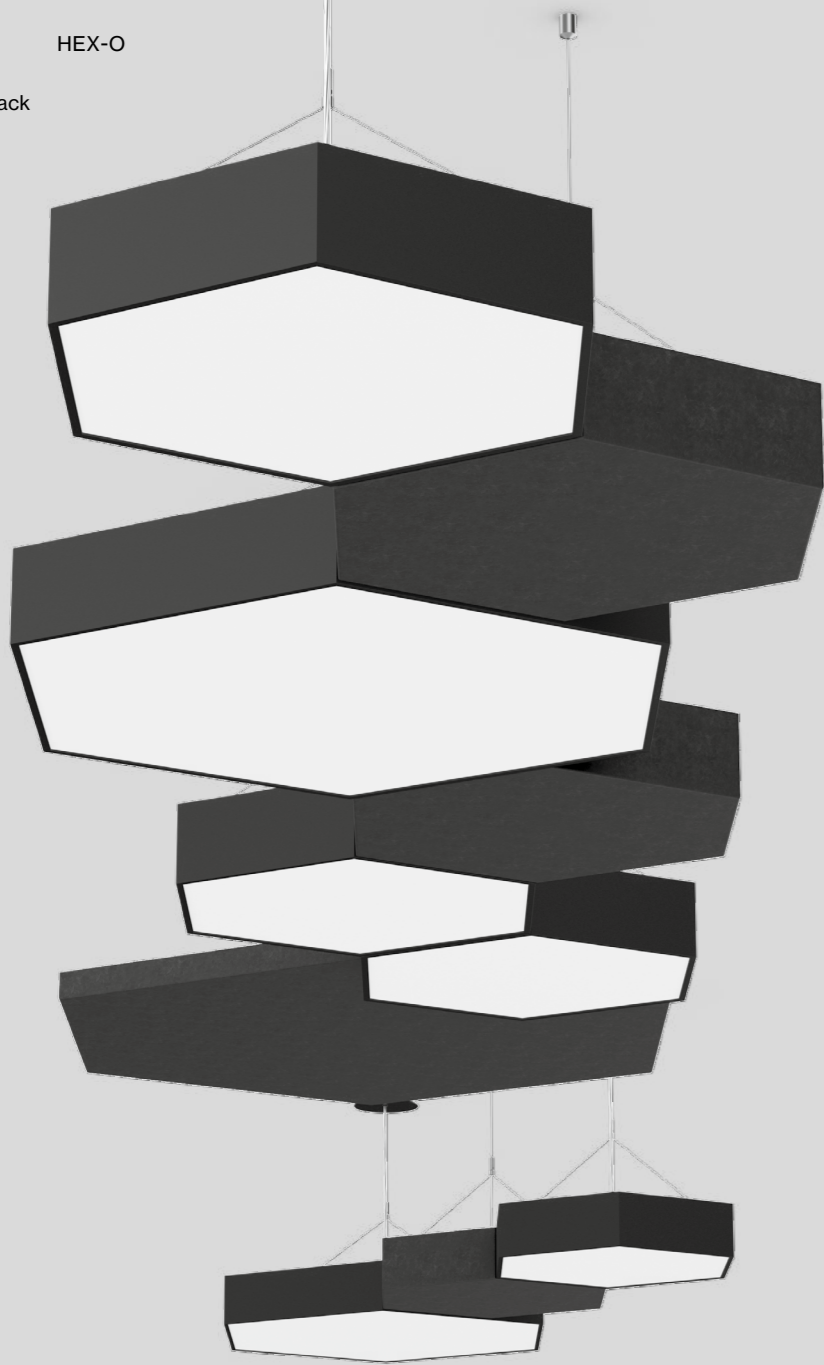
\*only in combination with HEX-O 500 or MODULE 500

\*\*only in combination with HEX-O 750, MODULE 750 or FLAT 750



LUMINOUS FLUX value calculated for  
CRI ≥ 80, colour white, cover opal

← back



# HEX-O

suspended (group mounted)

**EN** Hexagonal luminaires & acoustic elements; suitable for group installation; pendant fitting with cable suspension (1 cable); height adjustment without tools; rear rail for alignment; light housing from extruded aluminium profile, seamlessly welded; powder coated; same luminance for all size versions; energy-efficient LEDs with very good colour rendering; transparent feed, canopy for through wiring (separately available); acoustic element made of high-quality, recycled PET felt: MODULE in the luminaires' dimensions, FLAT with reduced height, ABSORBER to combine with other housings; improvement of room acoustics (absorption & scattering of sound waves)

**DE** Sechseckige Leuchten & Akustikelemente; geeignet für Gruppenmontage; abgependelt mit Seilabhängung (1 Seil); werkzeuglose Höhenverstellung; rückseitige Schiene zur Ausrichtung; Leuchtenkörper aus Aluminiumstrangpressprofil, nahtlos verschweißt; pulverbeschichtet; gleiche Leuchtdichte bei allen Größenvarianten; energieeffiziente LEDs mit sehr guter Farbwiedergabe; transparente Einspeiseleitung, Baldachin für Weiterverdrahtung (separat zu bestellen); Akustikelemente aus hochwertigem, recyceltem PET-Filz: MODULE in Abmessungen der Leuchten, FLAT mit reduzierter Höhe, ABSORBER zur Kombination mit anderen Körpern; Verbesserung der Raumakustik (Absorption & Schallstreuung)

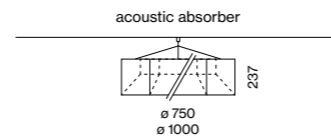
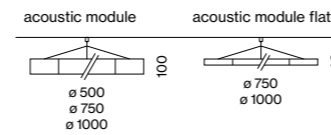
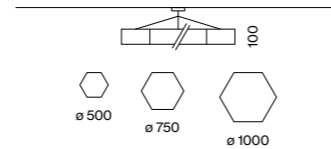
## Quickinfo

3000K, 4000K  
 CRI ≥ 80, 3 SDCM  
 UGR ≤ 19 / 65° ≤ 3000 cd/m²  
 up to 142lm/W  
 L90 @ 50 000h  
 DALI-2  
 opal, microprismatic (UGR ≤ 19)

acoustic elements  
 up to absorption class A  
 available as B-s1, d0

## Types

luminaires



## Luminaire colours



## Acoustic colours



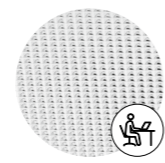
## Light distribution



direct



DiiA® standards  
 251, 252, 253



DIN EN 12464-1  
 UGR ≤ 19



tunable white  
 2700-6500K

## Order options

COLOUR TEMPERATURE	
3000K	5
4000K	6

## CONTROL

DALI-2

## LUMINAIRE COLOUR

<input type="radio"/> pure white RAL 9010	7
<input type="radio"/> jet black RAL 9005	8
<input type="radio"/> special colours* p. 992	X

\*canopy in white or black;  
 not for power feeder

## ACOUSTIC COLOUR

<input type="radio"/> white	W
<input type="radio"/> marble grey	D
<input type="radio"/> felt grey	G
<input type="radio"/> black	L
<input type="radio"/> special colours p. 992	X

## LIGHT OPTIC COVER

<input type="radio"/> opal	O
<input type="radio"/> microprismatic (UGR ≤ 19)	P

## Options on request

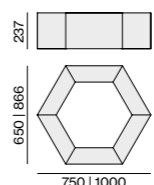
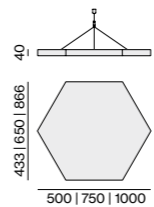
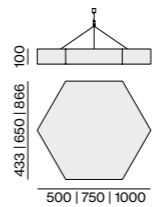
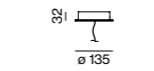
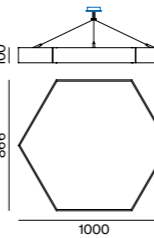
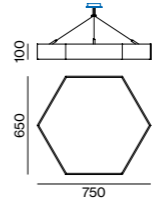
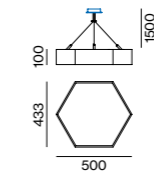
## COLOUR RENDERING INDEX

CRI ≥ 90

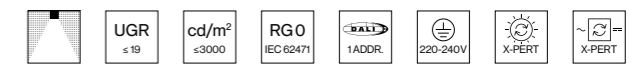
## COLOUR TEMPERATURE

tunable white 2700-6500K

DALI-2 DT8



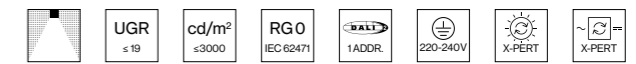
## HEX-O 500 suspended



### GROUP MOUNTING

SYSTEM POWER	COLOUR TEMP.	LUMINOUS FLUX	ORDER CODE
16.3W	3000K	2160lm	073-63510
	4000K	2290lm	

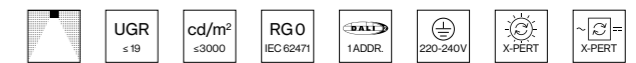
## HEX-O 750 suspended



### GROUP MOUNTING

SYSTEM POWER	COLOUR TEMP.	LUMINOUS FLUX	ORDER CODE
35W	3000K	4680lm	073-63610
	4000K	4960lm	

## HEX-O 1000 suspended



### GROUP MOUNTING

SYSTEM POWER	COLOUR TEMP.	LUMINOUS FLUX	ORDER CODE
68W	3000K	9110lm	073-63710
	4000K	9640lm	

## Electrical accessories

### CANOPY

TYPE	L (mm)	ORDER CODE
canopy / feeder cable 5 × 1.5 mm²	1500	005-223241

one per group needed; can be placed above luminaires or acoustic elements for electrical system configuration see luminaire data sheet at xal.com

## Acoustic elements

### HEX-O MODULE suspended

#### GROUP MOUNTING

TYPE	ORDER CODE
MODULE 500 suspended	073-693510
MODULE 750 suspended	073-693610
MODULE 1000 suspended	073-693710

### HEX-O MODULE FLAT suspended

#### GROUP MOUNTING

TYPE	ORDER CODE
MODULE FLAT 750 suspended	073-693620
MODULE FLAT 1000 suspended	073-693720

### HEX-O ABSORBER

#### GROUP MOUNTING

TYPE	ORDER CODE
ABSORBER 750*	073-691640
ABSORBER 1000**	073-691740

\*only in combination with HEX-O 500 or MODULE 500

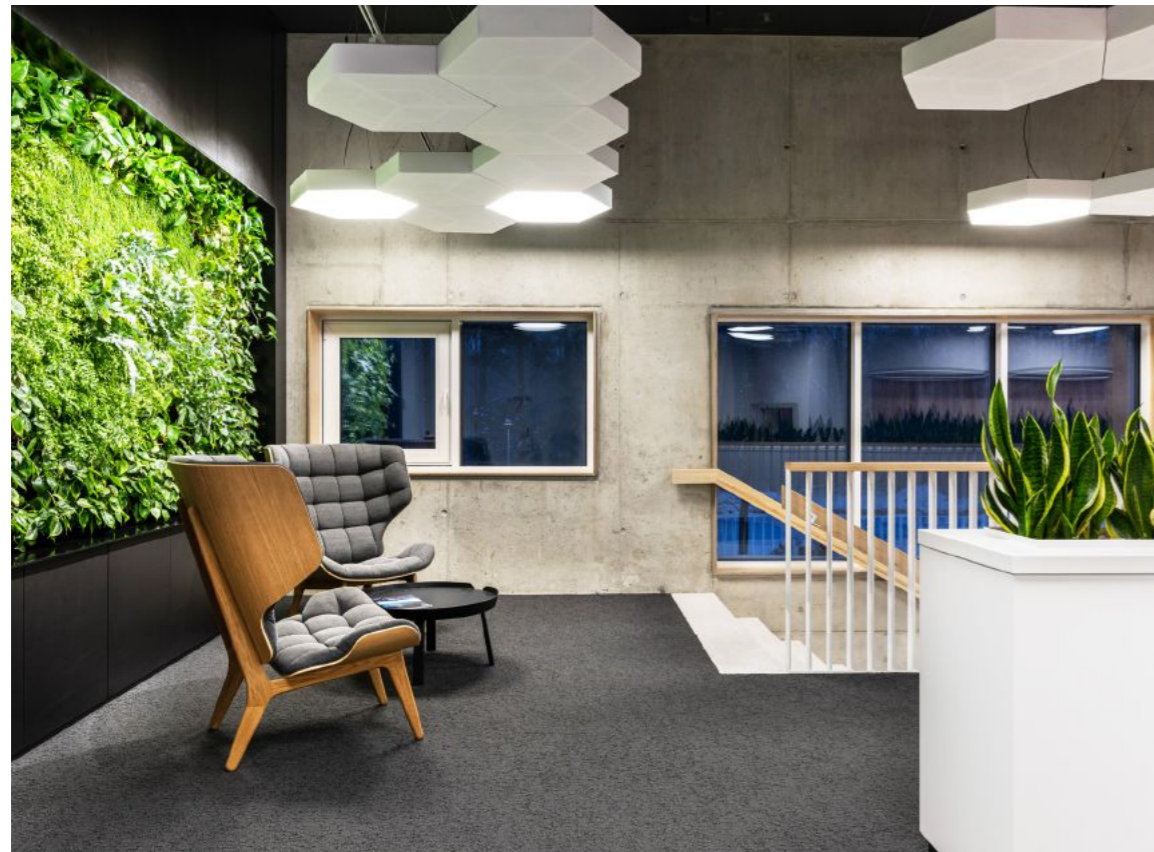
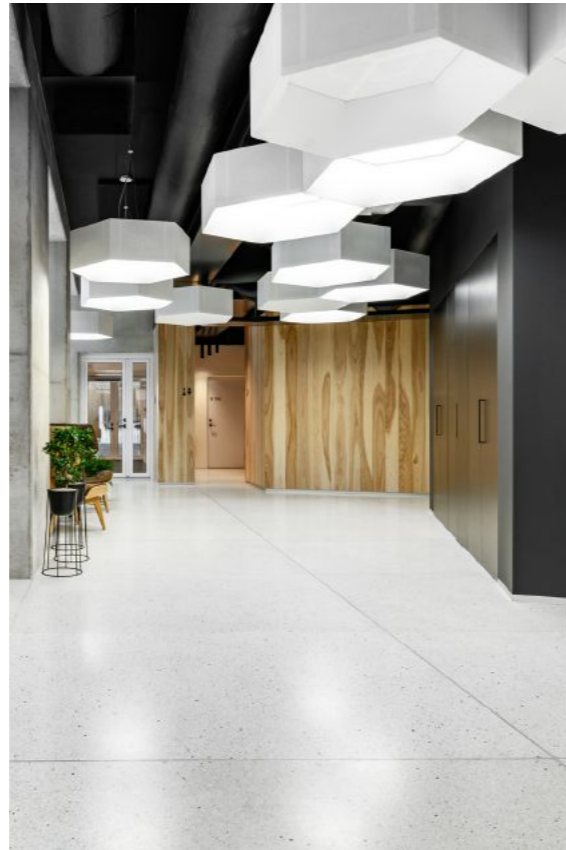
\*\*only in combination with HEX-O 750, MODULE 750 or FLAT 750

LUMINOUS FLUX value calculated for  
 CRI ≥ 80, colour white, cover opal

**OLX GROUP** Poznań, PL –  
by Trzop Architekci with  
lighting design by Pluslighting



**EANS Flight Control Centre**  
Harju Grafschaft, EE –  
by KAMP Arhitektid



# The sound of stress-free work

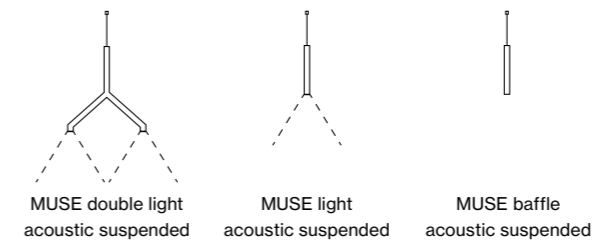


## MUSE

**EN** We developed MUSE for holistic office lighting and acoustic concepts. All of the three-part product family's elements optimise room acoustics. The two luminous versions create standard-compliant, screen-friendly workplace lighting per  $UGR \leq 19$  thanks to high-quality reflectors with faceted optics. Its characteristic design language, different colours, and the haptically appealing surface make MUSE a confident design element in the office.

**DE** Mit MUSE haben wir ein Produkt für ganzheitliche Licht- und Akustikkonzepte für Büros entwickelt. Alle Elemente der dreiteiligen Produktfamilie optimieren die Raumakustik effektiv, die zwei leuchtenden Varianten schaffen zudem durch hochwertige Reflektoren mit Facettenoptik normgerechte bildschirmtaugliche Arbeitsplatzbeleuchtung gemäß  $UGR \leq 19$ . In ihrer charakteristischen Formensprache, den verschiedenen Farben und der haptisch ansprechenden Oberfläche ist MUSE zudem ein selbstbewusstes Designelement im Office.

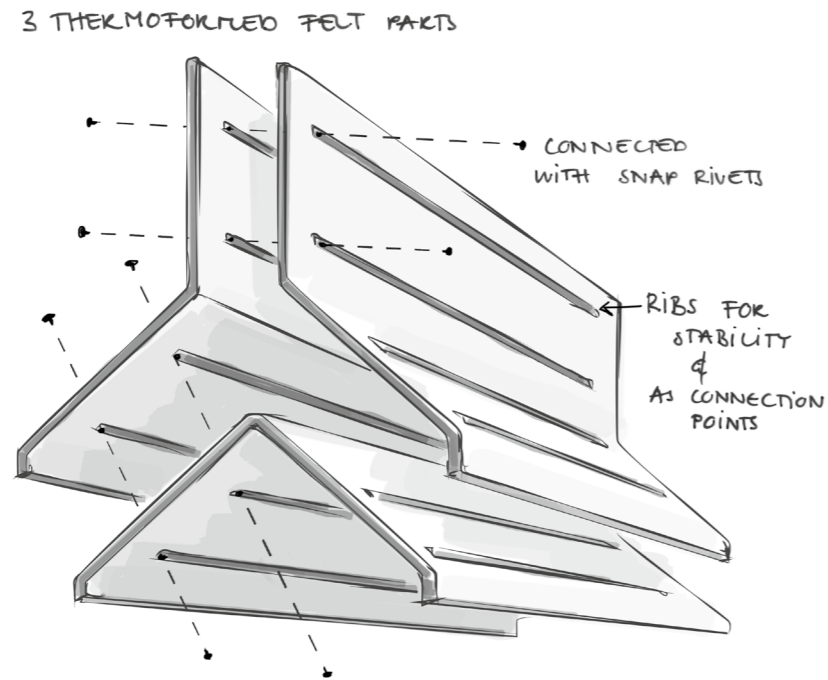
### Types



## Light and sound for offices

EN Light and acoustics are the most critical factors influencing well-being at work. A quiet working environment boosts concentration and enhances the enjoyment of work and productivity. That is why XAL developed the three-part MUSE system in response to the most significant challenges of modern office environments.

DE Licht und Akustik sind die wichtigsten Einflussfaktoren auf Wohlbefinden am Arbeitsplatz: Ein ruhiges Arbeitsumfeld erhöht die Konzentration und steigert sowohl die Freude an der Arbeit als auch die Produktivität. Deshalb entwickelte XAL das dreiteilige MUSE-System als Antwort auf die größten Herausforderungen moderner Bürowelten.

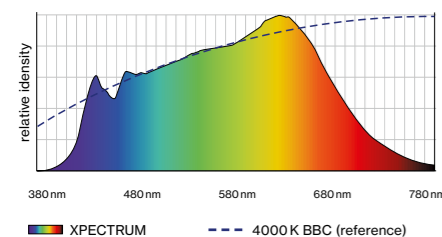


## Full-spectrum LED

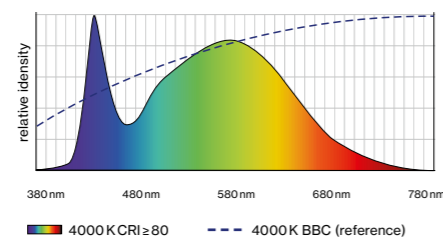
EN XAL's new XPECTRUM LEDs deliver healthy, biologically effective light. The reduced blue light and increased cyan values reduce the blue light hazard for the eye to daylight-equivalent levels. The resulting non-visual, so-called melanopic light effect, improves concentration and increases sleep quality. The excellent colour rendering of IES TM 30-15  $R_f=98$  and  $R_g=101$  further helps visual comfort.

DE Die neue XPECTRUM LED von XAL sorgt für gesundes, biologisch wirksames Licht. Der reduzierte Blaulichtanteil sowie die erhöhten Cyan-Werte minimieren die Blaulichtgefahr für das Auge auf ein tagesslichtähnliches Niveau. Die daraus resultierende nichtvisuelle, auch melanopische Lichtwirkung genannt, fördert die Konzentration und steigert die Schlafqualität. Die hervorragende Farbwiedergabe von IES TM 30-15  $R_f=98$  und  $R_g=101$  ermöglicht zudem einen verbesserten Sehkomfort.

XPECTRUM LED



Commercially available LED 4000K



## Second life for PET bottles

EN The MUSE acoustic elements' felt-like material is made of 50% recycled PET. Pressed precisely into shape, it combines three advantages. It is inherently stable, acoustically highly effective, and has a visually and haptically inspiring surface. This is how MUSE creates a pleasant atmosphere while taking its environmental responsibility seriously.

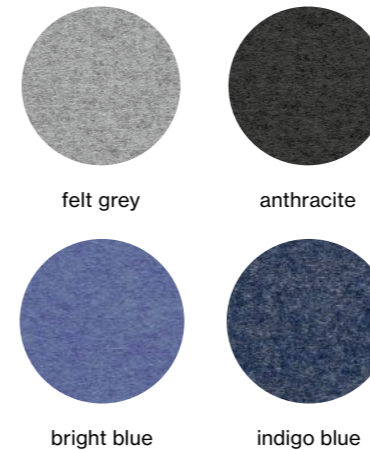
DE Das filzartige Material der MUSE Akustikelemente wird zu 50% aus recyceltem PET hergestellt. Präzise in Form gepresst, verbindet es drei Vorteile: Es ist eigenstabil, akustisch höchst wirksam und hat eine optisch wie haptisch spannende Oberfläche. So schafft MUSE eine angenehme Atmosphäre bei gleichzeitig hoher Umweltverantwortung.



## Colour variety

EN What kind of office should be equipped with MUSE? With two neutral shades and two accent colours, MUSE can be integrated into any furnishing concept whether classically understated or hip and unconventional.

DE Welche Art von Büro soll mit MUSE ausgestattet werden? Ob klassisch dezent oder hip und unkonventionell: Mit zwei neutralen Farbtönen und zwei Akzentfarben integriert sich MUSE in jedes Einrichtungskonzept.



## Screen-work friendly

EN MUSE has been optimised for computer workstations. Thanks to glare-free reflectors, the luminaires achieve a  $UGR \leq 19$  value, creating a pleasantly bright working environment without glare.

DE MUSE wurde speziell für den Bildschirmarbeitsplatz optimiert. Durch entblendende Reflektoren erreichen die Leuchten einen  $UGR$ -Wert  $\leq 19$ : Es entsteht eine angenehm helle Arbeitsumgebung ohne Blendung.



## Acoustic planning by XAL

EN Acoustic spatial planning calculates, measures, or simulates the behaviour of sound in a room. This planning includes, in particular, reverberation time and speech intelligibility. We create a bespoke concept from the results. Through close coordination with contracting planners and customers, we can achieve the optimum balance between light, ambience, and spatial acoustic conditions.

DE Bei der akustischen Raumplanung berechnen, messen oder simulieren wir das Verhalten von Schall im Raum, darunter vor allem Nachhallzeit und Sprachverständlichkeit. Aus den Ergebnissen erstellen wir ein individuelles Konzept. Durch enge Abstimmung mit auftraggebenden Planern und Kunden können wir die optimale Balance zwischen Licht, Ambiente und raumakustischen Bedingungen erzielen.

← back



## MUSE double light

acoustic suspended

**EN** Luminaire body made of high-quality, self-supporting, recycled PET felt with sound absorbing properties; high-quality visual and tactile surface; constructed of 2 shells to form cavities that improve acoustic performance; large sound absorbing surface; pendant fitting with cable suspension; with integrated tool-less suspension height adjustment; optimised for the illumination of 2 office workstations opposite each other; incl. transparent feed; light inset made from extruded profile for improved thermal management; high-gloss reflector with faceted design; energy-efficient LEDs with very good colour rendering

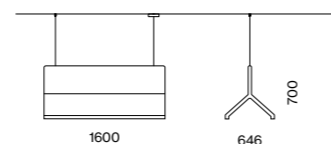
**DE** Leuchtenkörper aus hochwertigem, selbsttragendem, recyceltem PET-Filz mit schallabsorbierenden Eigenschaften; optisch und haptisch hochwertige Oberfläche; Aufbau aus 2 Schalen, dadurch bilden sich Hohlräume zur Verbesserung der akustischen Performance; große schallabsorbierende Oberfläche; abgependelt mit Seilabhängung; werkzeuglose Höhenverstellung an der Leuchte; optimiert zur Ausleuchtung von 2 gegenüberliegend angeordneten Büroarbeitsplätzen; inkl. transparenter Einspeiseleitung; Lichteinsatz aus Strangpressprofil für verbessertes Thermomanagement; hochglänzender Reflektor mit Facettenoptik; energieeffiziente LEDs mit sehr guter Farbwiedergabe

### Quickinfo

3000K, 4000K  
 CRI ≥ 80, 3 SDCM  
 UGR ≤ 19 / 65° ≤ 1500 cd/m²  
 up to 108lm/W  
 L90 @ 50 000h  
 DALI-2  
 reflector (UGR ≤ 19)

PET felt  
 ♻️ from recycled material  
 up to absorber class A

### Type



### Colours



### Light distribution



direct

### Order options

COLOUR TEMPERATURE	
3000K	5
4000K	6

### CONTROL

DALI-2

### MATERIAL COLOUR

- anthracite B
- felt grey G
- bright blue P
- indigo blue E

canopy always in white  
 other colours on request

### LIGHT INSET COLOUR

grey cover / chrome reflector

### Options on request

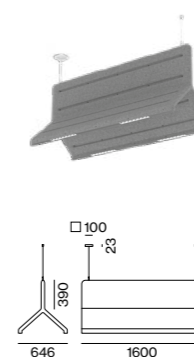
COLOUR RENDERING INDEX  
 CRI ≥ 98 XPECTRUM

### CONTROL

brightness & presence sensor

### LIGHT INSET COLOUR

- black cover / black reflector
- white cover / chrome reflector
- black cover / chrome reflector



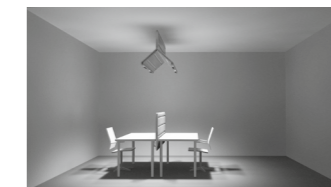
### MUSE DOUBLE LIGHT suspended



### ACOUSTIC LUMINAIRE

SYS. POWER	COLOUR TEMP.	LUM. FLUX	L (mm)	ORDER CODE
41W	3000K	4160lm	1600	0 9 1 - 1 2 2 1 :: 3 ▣ F
	4000K	4400lm		

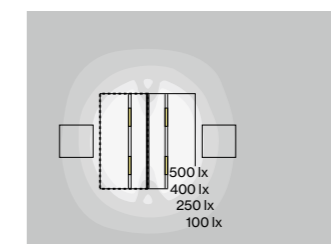
### Lighting calculation



**MUSE DOUBLE LIGHT**  
 41W direct, 4000K, chrome reflector

**ROOM VALUES**

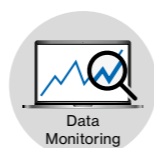
Room dimensions	5.4 × 4 × 3 m
Room volume	64.8 m³
Reflection factor	0.7   0.5   0.2
Maintenance factor	0.8
Mounting height	2.23 m



**CALCULATION SURFACE** .....

Surface dimensions	1.6 × 0.8
Surface height	0.75 m
Average illuminance (E <sub>m</sub> )	> 500 lx
Uniformity (U <sub>0</sub> )	> 0.6

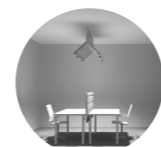
**GLARE EVALUATION**  
 Table Classification X=4H | Y=8H | S=0.25H  
 UGR transversal ≤ 19  
 UGR axial ≤ 19  
 ≥ 65° ≤ 1500 cd/m²



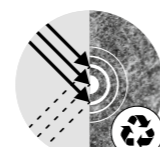
DiiA® standards  
 251, 252, 253



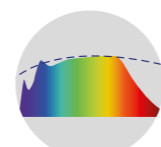
DIN EN 12464-1  
 UGR ≤ 19



suitable for double  
 workstation

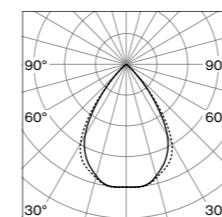


sound absorption  
 by recycled PET



CRI ≥ 98  
 XPECTRUM

### Light distribution

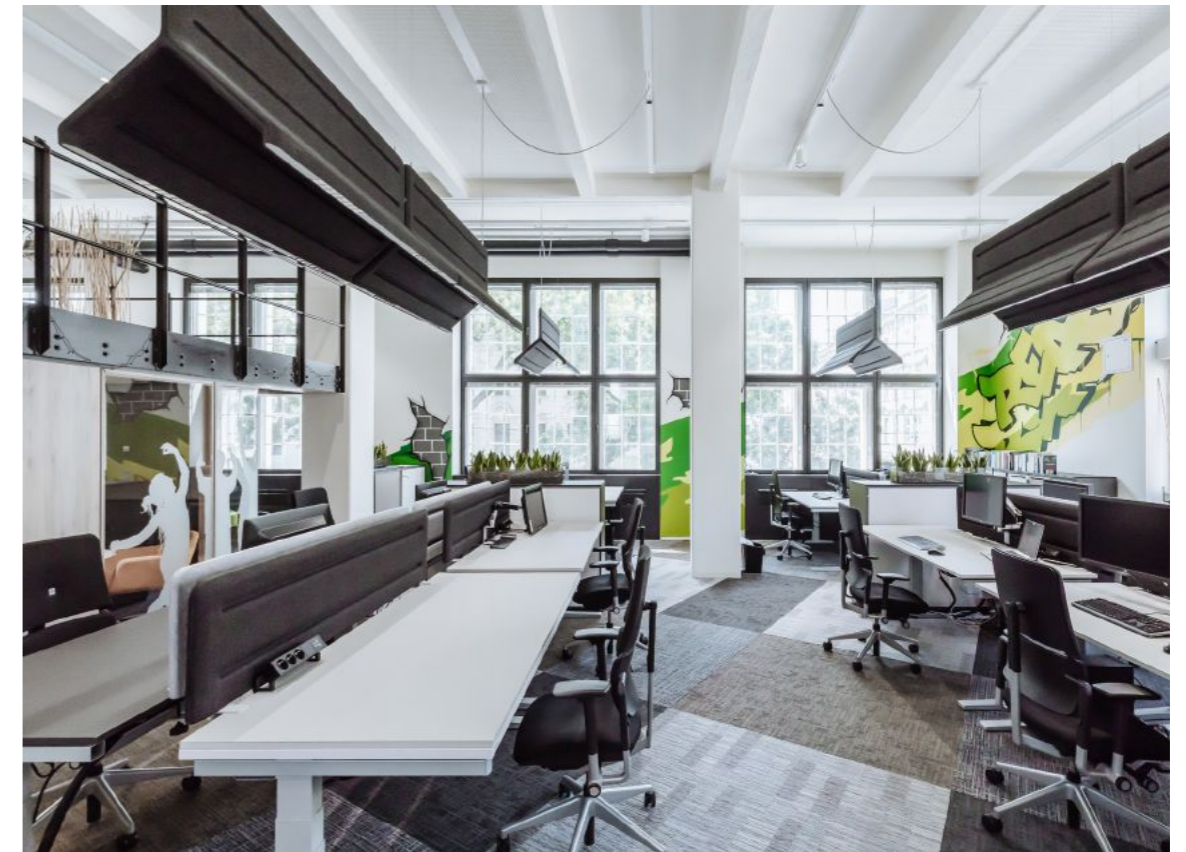


chrome reflector  
 direct

**LUMINOUS FLUX** value calculated for  
 CRI ≥ 80, cover grey, reflector chrome



**Inter-pool Immobilien** Vienna, AT –  
by Inter-pool Immobilien GmbH /  
Architekt DI Stephan Kopinits includ-  
ing lighting design

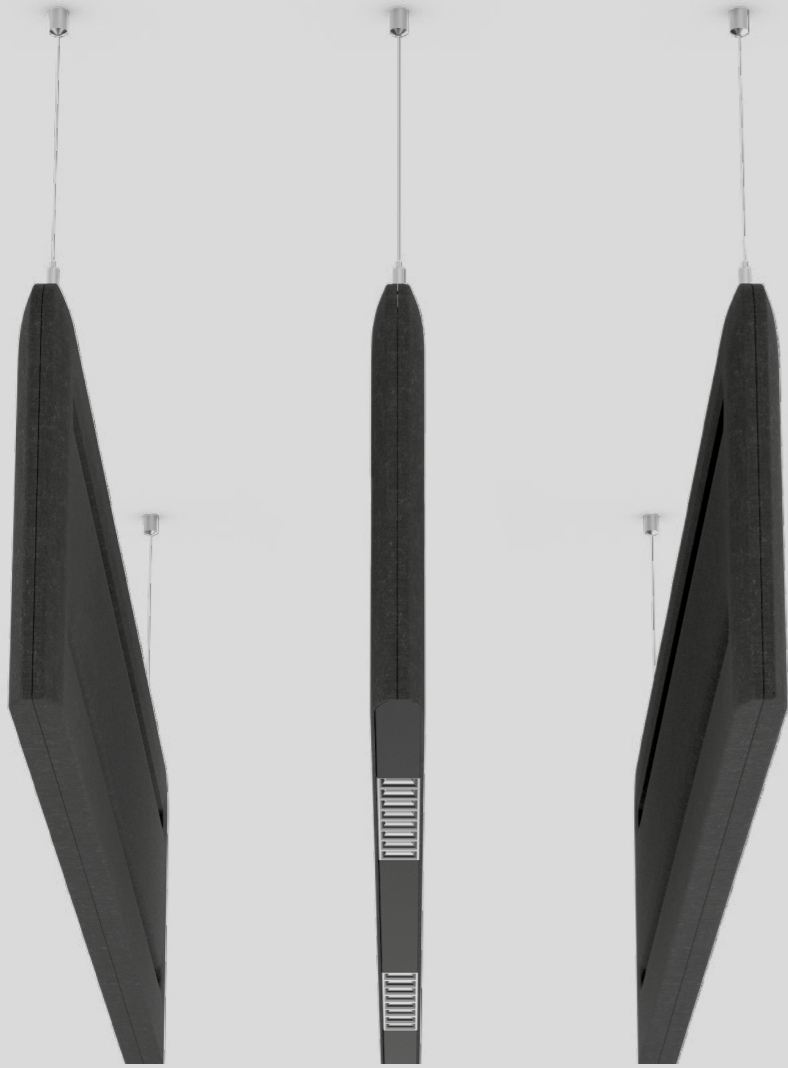




**Vogel Corporate Solutions GmbH**  
Würzburg, DE – by Dipl. Ing. FH  
Katharina Maatz/ designfunktion  
Aschaffenburg GmbH



← back



# MUSE light/baffle

acoustic suspended

**EN** Luminaire body or acoustic element made of high-quality, self-supporting, recycled PET felt with sound absorbing properties; high-quality visual and tactile surface; constructed of 2 shells to form cavities that improve acoustic performance; large sound absorbing surface; pendant fitting with cable suspension; tool-less suspension height adjustment of the luminaire or of the acoustic element; MUSE LIGHT: optimised for the illumination of office workstations; incl. transparent feed; light inset made from extruded profile for improved thermal management; high-gloss reflector with faceted design; energy-efficient LEDs with very good colour rendering

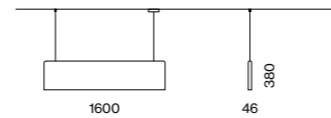
**DE** Leuchtenkörper bzw. Akustikelement aus hochwertigem, selbsttragendem, recyceltem PET-Filz mit schallabsorbierenden Eigenschaften; optisch und haptisch hochwertige Oberfläche; Aufbau aus 2 Schalen, dadurch bilden sich Hohlräume zur Verbesserung der akustischen Performance; große schallabsorbierende Oberfläche; abgependelt mit Seilabhängung; werkzeuglose Höhenverstellung an der Leuchte bzw. am Akustikelement; MUSE LIGHT: optimiert zur Ausleuchtung von Büroarbeitsplätzen; inkl. transparenter Einspeiseleitung; Lichteinsatz aus Strangpressprofil für verbessertes Thermomanagement; hochglänzender Reflektor mit Facettenoptik; energieeffiziente LEDs mit sehr guter Farbwiedergabe

### Quickinfo

3000K, 4000K  
 CRI ≥ 80, 3 SDCM  
 UGR ≤ 19 / 65° ≤ 1500 cd/m²  
 up to 109lm/W  
 L90 @ 50 000h  
 DALI-2  
 reflector (UGR ≤ 19)

PET felt  
 ♻️ from recycled material  
 up to absorber class A

### Type



### Colours



### Light distribution



direct

### Order options

COLOUR TEMPERATURE	
3000K	5
4000K	6

### CONTROL

DALI-2

### MATERIAL COLOUR

● anthracite	B
● felt grey	G
● bright blue	P
● indigo blue	E

canopy always in white  
 other colours on request

### LIGHT INSET COLOUR

grey cover / chrome reflector

### Options on request

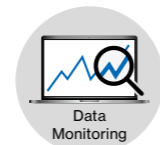
COLOUR RENDERING INDEX  
 CRI ≥ 98 XPECTRUM

### CONTROL

brightness & presence sensor

### LIGHT INSET COLOUR

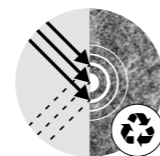
black cover / black reflector  
 white cover / chrome reflector  
 black cover / chrome reflector



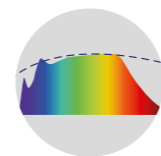
DiiA® standards  
 251, 252, 253



DIN EN 12464-1  
 UGR ≤ 19

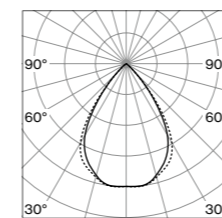


sound absorption  
 by recycled PET



CRI ≥ 98  
 XPECTRUM

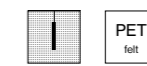
### Light distribution



chrome reflector  
 direct

LUMINOUS FLUX value calculated for  
 CRI ≥ 80, cover grey, reflector chrome

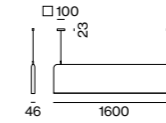
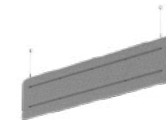
### MUSE BAFFLE suspended



### ACOUSTIC BAFFLE

L (mm)  
 1600

ORDER CODE  
 091-101111

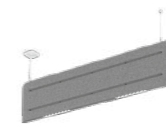


### MUSE LIGHT suspended



### ACOUSTIC LUMINAIRE

SYS. POWER	COLOUR TEMP.	LUM. FLUX	L (mm)	ORDER CODE
20W	3000K 4000K	2080lm 2200lm	1600	091-121111



### Lighting calculation



MUSE LIGHT  
 20W direct, 4000K, chrome reflector  
 + MUSE BAFFLE (every 2<sup>nd</sup>)

### ROOM VALUES

Room dimensions	9 × 5 × 3 m
Room volume	135 m³
Reflection factor	0.7   0.5   0.2
Maintenance factor	0.8
Mounting height	2.23 m

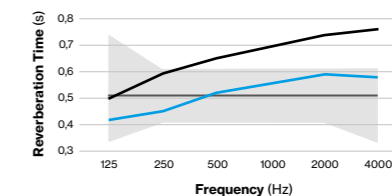
### CALCULATION SURFACE

Surface dimensions	8 × 4
Surface height	0.75 m
Average illuminance (E <sub>m</sub> )	> 500 lx

### GLARE EVALUATION

Table Classification X=4H   Y=8H   S=0.25H	
UGR transversal	≤ 19
UGR axial	≤ 19
≥ 65° ≤ 1500 cd/m²	

### Acoustic calculation



### ACOUSTIC PARAMETERS

Target Reverberation Time	0.51s*
RT without MUSE	0.66s
RT with MUSE	0.52s

\*according to DIN 18041, room category  
 A3 (education/communication)

### MATERIALS

Walls	Hardboard
Ceiling	Gypsum Board
Floor	Hardwood

**Art-Invest** Berlin, DE –  
by LEPEL & LEPEL Architekt

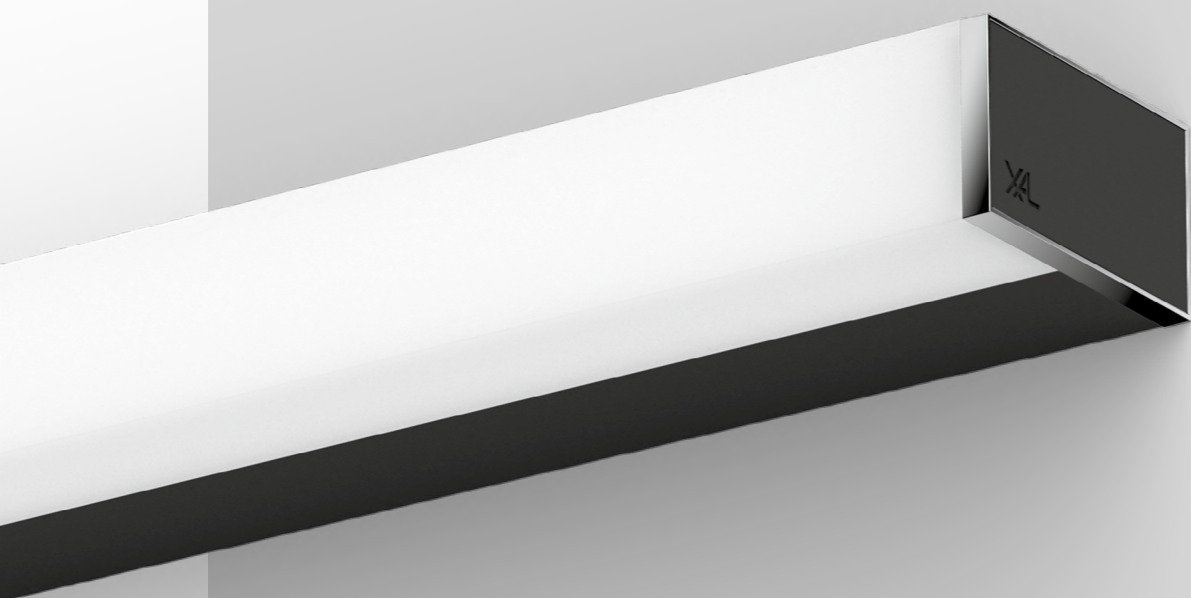




**XAL Office**  
Vienna, AT



# For the right kind of reflection

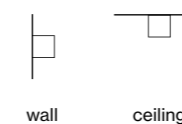


## STRETTA

**EN** Whether in the bathroom or in the fitting room, STRETTA is a fantastic exclusive mirror luminaire. Thanks to its excellent colour rendering of  $CRI \geq 90$ , it is used wherever colours, shapes, and designs are to be shown in their best and authentic light. STRETTA emits light on three sides and has been equipped with an opal cover to guarantee particularly homogeneous wall illumination. The IP44 protection class ensures safe use in wet rooms.

**DE** Ob im Badezimmer oder in der Umkleidekabine: STRETTA überzeugt als exklusive Spiegelleuchte. Dank ihrer guten Farbwiedergabe von  $CRI \geq 90$  wird sie überall dort eingesetzt, wo Farben, Formen und Designs authentisch zur Geltung kommen sollen. Für eine besonders homogene Wandaufhellung verfügt STRETTA über eine dreiseitige Lichtabstrahlung und wurde mit einer Opal-Abdeckung ausgestattet. Die Schutzart IP44 garantiert einen sicheren Einsatz in Nassräumen.

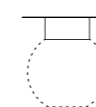
### Mountings



wall

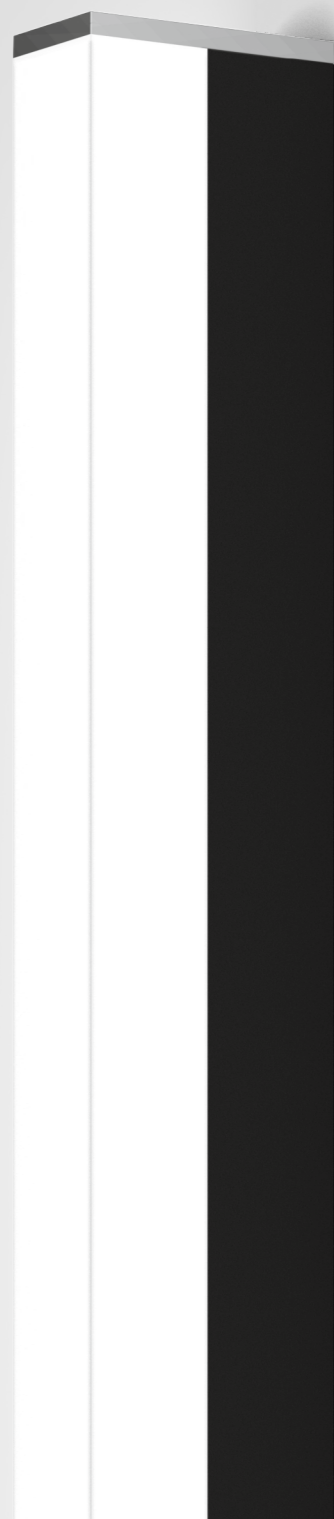
ceiling

### Light distribution



opal

← back



## STRETTA

surface

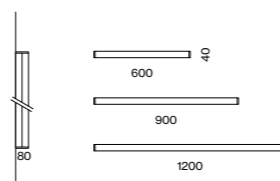
EN Luminaire housing from extruded aluminium profile, angular design; no visible screws; surface powder coated; luminaire profile can be pre-mounted; end cap galvanically chromed or in same colour as housing (chromed border); suitable for wall or ceiling mounting; with three sided light beam; HPO (High Performance Opal) cover for uniform illumination; energy-efficient LEDs with very good colour rendering

DE Leuchtenkörper aus Aluminiumstrangpressprofil, kantige Ausführung; keine sichtbaren Schrauben; Oberfläche pulverbeschichtet; Leuchtenprofil vorab montierbar; Enddeckel galvanisch verchromt oder in Leuchtenfarbe pulverbeschichtet (Umrandung verchromt); geeignet für Wand- oder Deckenmontage; mit dreiseitiger Lichtabstrahlung; HPO (High Performance Opal) Abdeckung für homogene Ausleuchtung; energieeffiziente LEDs mit sehr guter Farbwiedergabe

### Quickinfo

3000K, 4000K  
CRI ≥ 90, 3 SDCM  
up to 112lm/W  
L80 @ 50 000h  
non DIM, DALI-2  
opal cover  
IP 44

### Types



### Luminaire colours



### End caps colours



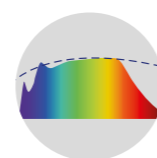
### Light distribution



wall illumination



splash water protection (IP44)



CRI ≥ 98 XPECTRUM

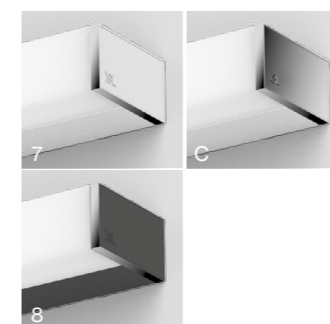
### Order options

COLOUR TEMPERATURE	
3000K	5
4000K	6

CONTROL	
non DIM	1
DALI-2	3

MATERIAL COLOUR	
○ pure white RAL 9010*	7
○ pure white / ◊ chrome**	C
● jet black RAL 9005*	8

\*end caps in housing colour with chromed boarder  
\*\*end caps completely in chrome



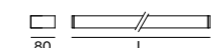
### LIGHT OPTIC COVER

opal high performance

### Options on request

#### COLOUR RENDERING INDEX

CRI ≥ 98 XPECTRUM



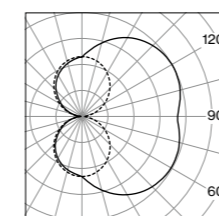
### STRETTA surface



#### LUMINAIRE

SYS. POWER	COLOUR TEMP.	LUM. FLUX	L (mm)	ORDER CODE
13W	3000K	1370lm	600	057-0132::◆H
	4000K	1460lm		
19.5W	3000K	2050lm	900	057-0133::◆H
	4000K	2190lm		
26.1W	3000K	2740lm	1200	057-0134::◆H
	4000K	2920lm		

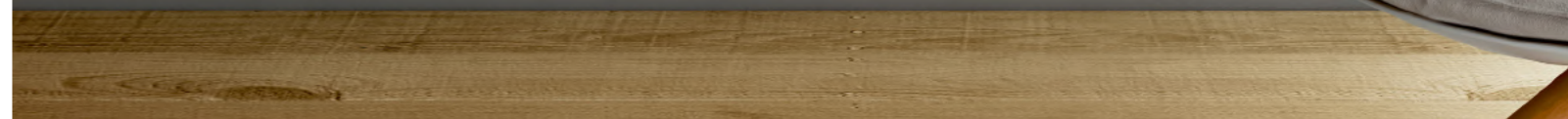
### Light distribution



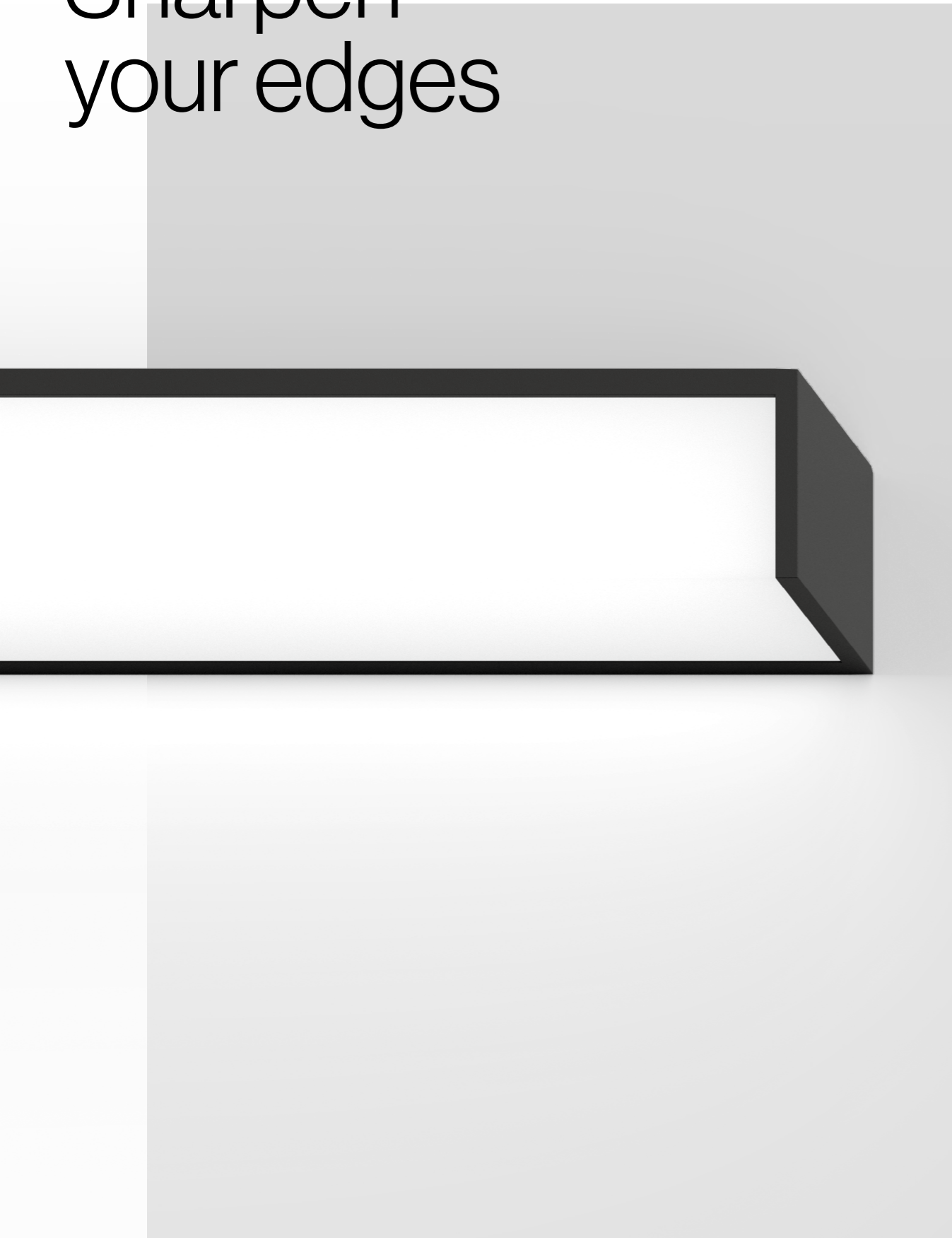
opal high performance

LUMINOUS FLUX value calculated for CRI ≥ 90, colour white, cover opal

**Private Residence**  
Visualisation



# Sharpen your edges

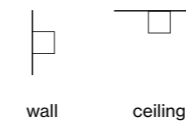


## CORNER

**EN** The best wall light is right around the CORNER. It is preferred for ceiling edges or wall corners and is mainly used in staircases, reception halls, or corridors. Wall and ceiling are equally well illuminated by the CORNER single luminaire thanks to the light insert with opal cover. The bidirectional beam pattern delivers ambient lighting. CORNER is available in the light colours 3000 K or Tunable White and two different power levels. CORNER comes in different lengths and in white, grey, and black.

**DE** Die beste Wand-Leuchte befindet sich mit CORNER direkt um die Ecke. Sie wird präferiert für Deckenkanten oder Wandecken und wird vor allem in Treppenhäusern, Empfangshallen oder Gängen eingesetzt. Wand und Decke werden von der CORNER Einzelleuchte durch den Lichteinsatz mit Opal Cover gleichermaßen gut ausgeleuchtet. Die zweiseitige Abstrahlcharakteristik sorgt für eine homogene Grundausleuchtung. CORNER steht in den Lichtfarben 3000 K oder Tunable White und in zwei unterschiedlichen Leistungsstufen zur Verfügung. CORNER ist in verschiedenen Längen und in den Farben Weiß, Grau und Schwarz erhältlich.

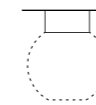
### Mountings



wall

ceiling

### Light distribution



opal



← back



## CORNER

surface

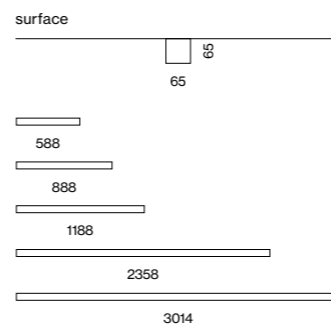
<sup>EN</sup> Luminaire housing from extruded aluminium profile, angular design; no visible screws; surface powder coated; luminaire profile for mounting available in advance; suitable for wall or ceiling mounting; with double-sided light beam; HPO (High Performance Opal) cover for uniform illumination; energy-efficient LEDs with very good colour rendering

<sup>DE</sup> Leuchtenkörper aus Aluminiumstrangpressprofil, kantige Ausführung; keine sichtbaren Schrauben; Oberfläche pulverbeschichtet; Leuchtenprofil für Montage vorab lieferbar; geeignet für Wand- oder Deckenmontage; mit zweiseitiger Lichtabstrahlung; HPO (High Performance Opal) Abdeckung für homogene Ausleuchtung; energieeffiziente LEDs mit sehr guter Farbwiedergabe

### Quickinfo

3000K  
CRI ≥ 80, 3 SDCM  
up to 131lm/W  
L90 @ 50 000h  
non DIM  
opal

### Types



### Colours



### Light distribution



direct

### Order options

#### COLOUR TEMPERATURE

3000K

#### CONTROL

non DIM

#### MATERIAL COLOUR

- pure white RAL 9010 7
- white aluminium RAL 9006 G
- jet black RAL 9005 8

#### LIGHT OPTIC COVER

opal high performance

### Options on request

#### SYSTEM SOLUTION

installation channel, etc.

#### COLOUR TEMPERATURE

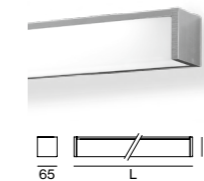
4000K

tunable white 2700–6500 K\*

\*DALI-2 DT8

#### CONTROL

DALI-2



### CORNER surface



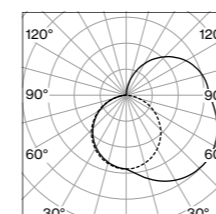
#### MID LUMEN

SYS. POWER	COLOUR TEMP.	LUM. FLUX	L (mm)	ORDER CODE
13.8W	3000K	1810lm	588	040-895251
20.7W	3000K	2720lm	888	040-895351
27.6W	3000K	3620lm	1188	040-895451
55W	3000K	7250lm	2358	040-895851
81W	3000K	9830lm	3014	040-895951

#### HIGH LUMEN

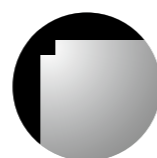
SYS. POWER	COLOUR TEMP.	LUM. FLUX	L (mm)	ORDER CODE
20.2W	3000K	2460lm	588	040-896251
30W	3000K	3690lm	888	040-896351
40W	3000K	4910lm	1188	040-896451
71W	3000K	9340lm	2358	040-896851
98W	3000K	12700lm	3014	040-896951

### Light distribution

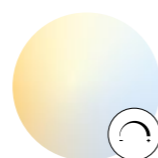


asymmetric

**LUMINOUS FLUX** value calculated for CRI ≥ 80, colour white, cover opal

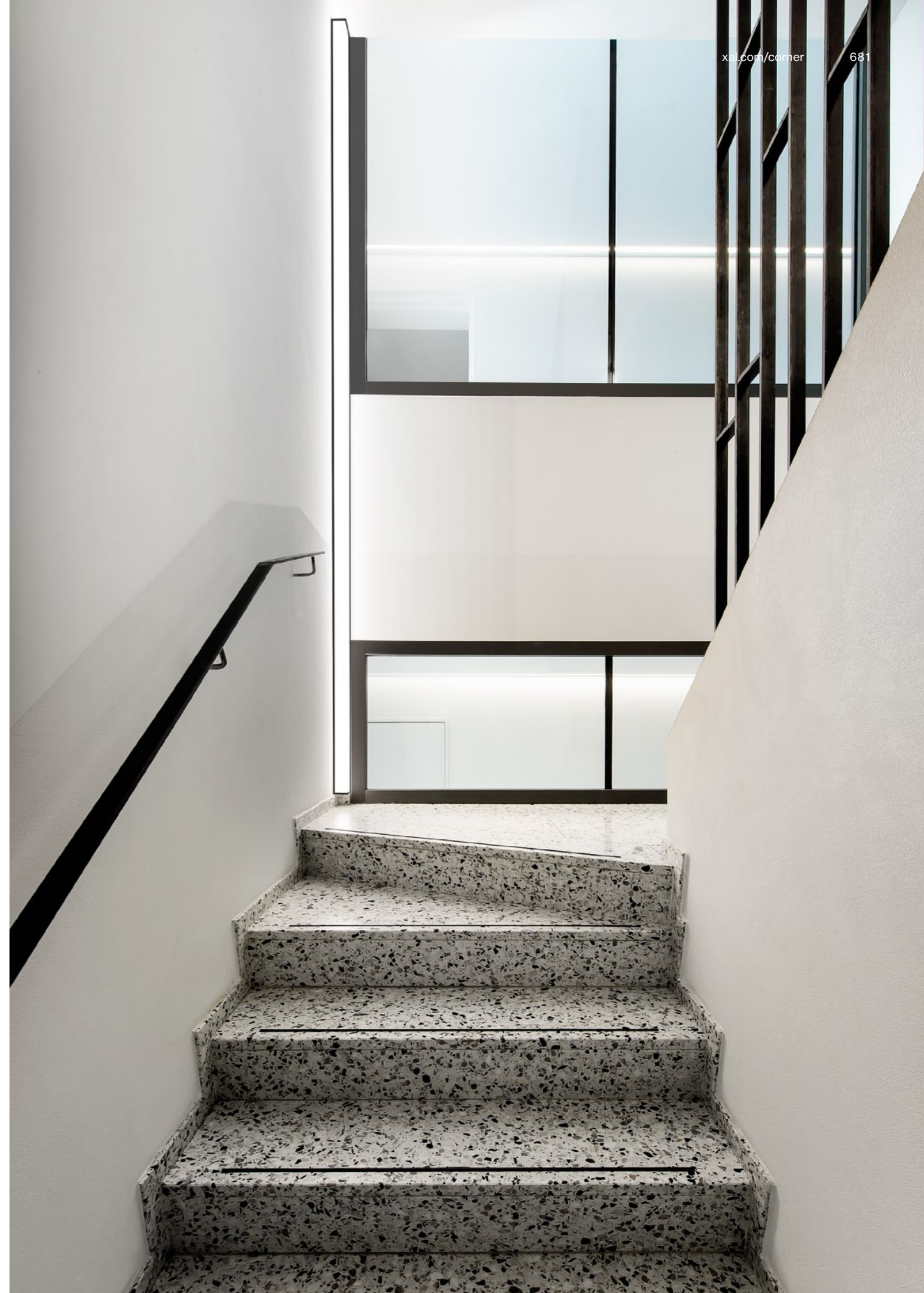


wall/ceiling  
illumination



tunable white  
2700–5000K

**Office Stadsbader**  
Harelbeke, BE



# Getting well with light



## RECOVER

**EN** The next generation of contemporary healthcare lighting, RECOVER has been developed to simulate a natural light pattern. This is achieved by the dynamically changing colour temperature. It varies from activating morning light to a sleep-promoting evening glow. The luminaire supports the natural regeneration of the patient by supporting the human biorhythm. The 4-in-1 system includes ambient light, a reading light, a nurse's night light, and an examination light with a high CRI value that displays amorphous three-dimensional surfaces, such as the skin, correctly. RECOVER is designed to be particularly user-friendly. Lighting programmes can be quickly and flexibly adapted.

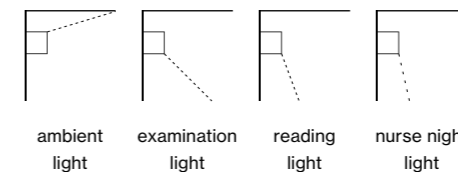
**DE** Die nächste Generation zeitgemäßer Beleuchtung im Gesundheitswesen: RECOVER wurde speziell entwickelt, um einen natürlichen Lichtverlauf zu simulieren. Das gelingt durch die dynamisch veränderliche Farbtemperatur, die von aktivierendem Morgenlicht bis zu schlaffördernder Abendröte wechselt. Indem das Licht den menschlichen Biorhythmus fördert, unterstützt die Leuchte die natürliche Regeneration der Patienten. Das 4-in-1-System umfasst Raumlicht, Leselicht, Schwesternnachtlicht und ein Untersuchungslicht mit hohem CRI-Wert für die perfekte Darstellung dreidimensionaler amorpher Flächen wie der Haut. Die Bedienung von RECOVER wurde besonders benutzerfreundlich gestaltet, sodass Lichtprogramme einfach und flexibel anpassbar sind.

### Mounting



wall

### Light distributions

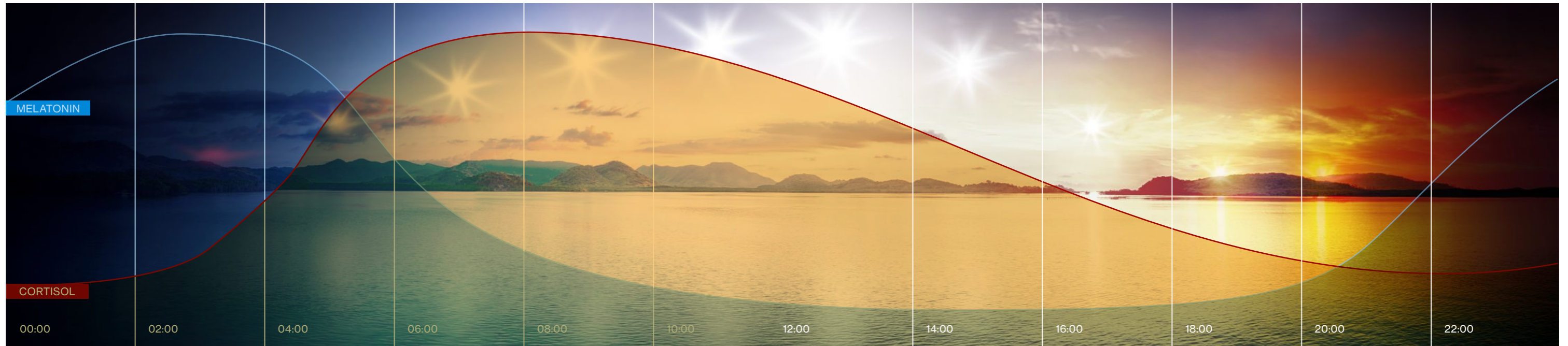


ambient  
light

examination  
light

reading  
light

nurse night  
light



## Day-night rhythm

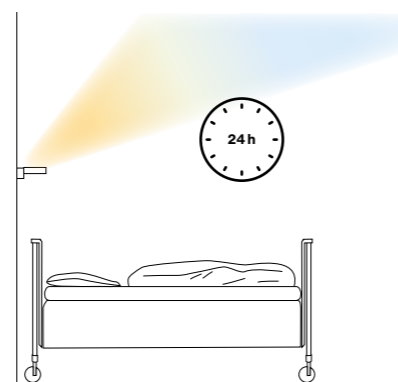
**EN** Light affects well-being and health. Cool morning light promotes cortisol, the activating hormone. In the evening, when the blue component is missing, the sleep hormone melatonin is formed. High melatonin levels at night lead to more restful sleep, and we enjoy a positive start to the day through an increased release of the happiness hormone serotonin. The RECOVER luminaire taps this knowledge and supports the natural regeneration of patients, as the high indirect illuminance provides clear impulses to the inner clock.

**DE** Licht beeinflusst das Wohlbefinden und die Gesundheit. Kühles Morgenlicht fördert das aktivierende Hormon Cortisol; abends, bei fehlendem Blauanteil, bildet sich das Schlafhormon Melatonin. Ist der nächtliche Melatoninspiegel hoch, schlafen wir erholsamer und starten durch eine erhöhte Ausschüttung des Glückshormons Serotonin positiv in den Tag. Die RECOVER Leuchte nutzt dieses Wissen und unterstützt so die natürliche Regeneration von Patienten, da die hohe indirekte Beleuchtungsstärke eine klare Taktung der inneren Uhr vorgibt.

## Schedule light moods

**EN** The aim was to make RECOVER particularly user-friendly. Lighting moods and intensity levels can be programmed with simple software. You can even string together several different programmes to form an annual schedule. The intensity and colour temperature change automatically with the season. The factory settings already store different daily sequences, which you can quickly adapt to your time requirements.

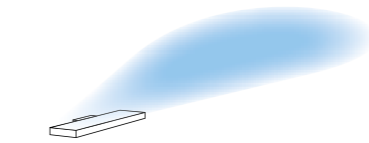
**DE** Ziel war es, RECOVER besonders benutzerfreundlich zu machen. Mit einer einfachen Software können Lichtstimmungen und Intensitätsstufen programmiert werden. So können Sie mehrere, variierende Programme sogar zu einem Jahresprogramm aneinanderreihen. Die Intensität und Farbtemperatur verändert sich automatisch mit der Jahreszeit. In den Werkseinstellungen sind bereits unterschiedliche Tagesverläufe gespeichert, die Sie einfach an Ihre zeitlichen Anforderungen anpassen können.



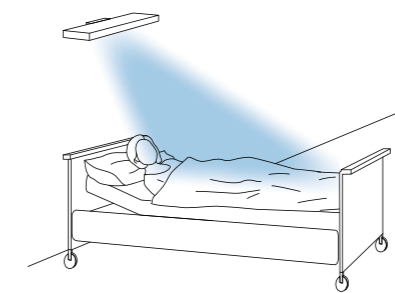
## Four lights in one

**EN** RECOVER combines four luminaires. Indirect, homogeneous ceiling lighting provides daytime brightness for the patient, while the examination light is used for doctors' visits. A reading light ensures reflection-free illumination of the reading area. The nurse night light mounted on the side of the luminaire was integrated to avoid dazzling the patient at night.

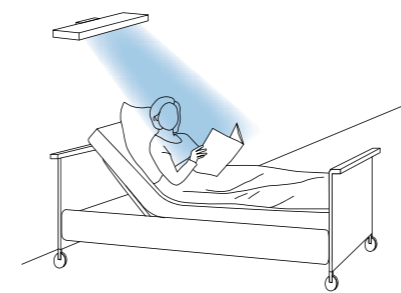
**DE** RECOVER vereint vier Leuchten: Indirekte, homogene Deckenbeleuchtung vermittelt dem Patienten Tageshelligkeit, während das Untersuchungslicht zur Arztvisite dient. Ein Leselicht sorgt für eine reflexionsfreie Ausleuchtung des Lesebereichs. Das seitlich an der Leuchte montierte Schwestern-Nachtlicht wurde integriert, um den Patienten in der Nacht nicht zu blenden.



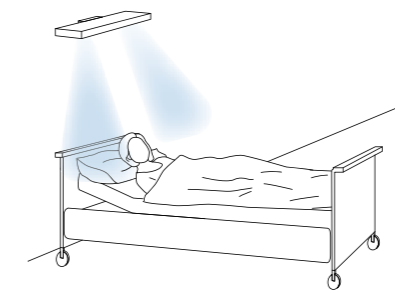
Ambient light



Examination light



Reading light



Nurse night light

## CRI ≥ 95

**EN** The RECOVER examination and reading light achieve excellent  $R_a$  and  $R_e$  values of  $\geq 95$ . The unusually small luminous surface of the LED and the high luminance display amorphous three-dimensional surfaces, such as the skin, correctly.

**DE** Das RECOVER Untersuchungs- und das Leselicht erreichen hervorragende  $R_a$  und  $R_e$  Werte von  $\geq 95$ . Durch die besonders kleine leuchtende Fläche der LED und die hohe Leuchtdichte gelingt die perfekte Darstellung von amorphon dreidimensionalen Flächen wie der Haut.

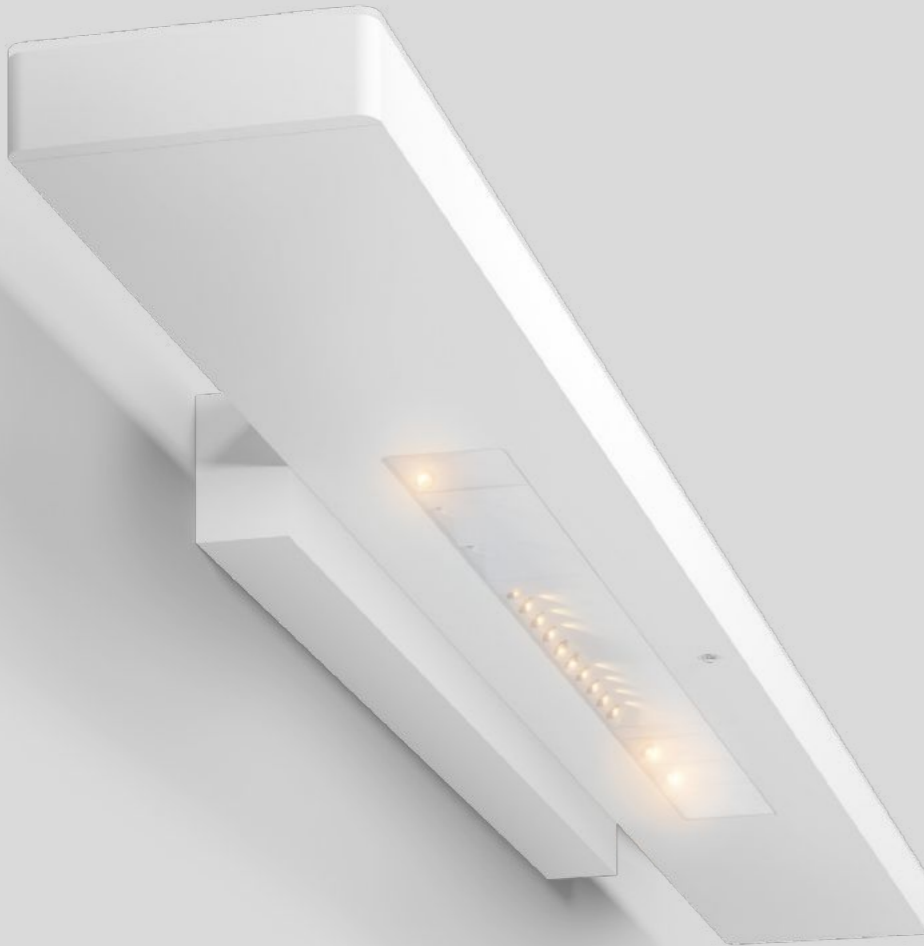


typical CRI  $\geq 95$



CRI  $\geq 80$

back



## RECOVER

wall

EN RECOVER is available in three versions:

RECOVER BASIC allows switching of the indirect ambient light, the examination light and the reading light.

RECOVER DALI allows individual dimming of the indirect ambient light, the examination light and the reading light.

RECOVER PRO allows for natural progressive lighting. Used in combination with the RECOVER Master Unit, four dynamic light transitions can be run. The four programs can be combined, through the RECOVER software, to form an annual light program. The examination light can be dimmed using the master unit, and the reading light can be switched in 2 stages. There are buttons built into the lamp to switch the two nurse night lights.

DE RECOVER ist in drei Varianten erhältlich:

RECOVER BASIC ermöglicht die Schaltung des indirekten Raumlichts, des Untersuchungslichts und des Leselichts.

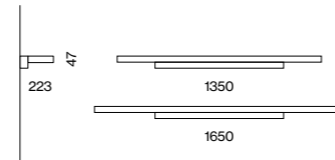
RECOVER DALI ermöglicht ein individuelles Dimmen des indirekten Raumlichts das Untersuchungslichtes und des Leselichtes.

RECOVER PRO ermöglicht naturnahe Lichtverläufe. In Kombination mit der RECOVER Master Unit können vier dynamische Lichtverläufe abgespielt werden. Mittels der RECOVER Software können die vier Programme zu einem Jahreslichtprogramm aneinandergesetzt werden. Das Untersuchungslicht ist über die Master Unit dimmbar, das Leselicht in 2 Stufen schaltbar. Die beiden Schwestern-Nachtlichter sind mittels in der Leuchte eingebaute Taster schaltbar.

### Quickinfo

2200–31000 K, TW  
CRI ≥ 95, 3 SDCM  
up to 96 lm/W  
L80 @ 50 000 h  
glass cover  
non DIM, DALI

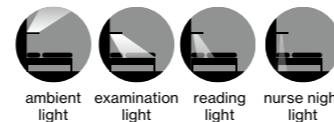
### Types



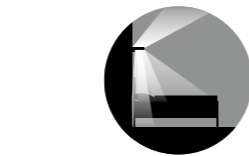
### Colour



### Light distributions



ambient light examination light reading light nurse night light



four in one light distribution



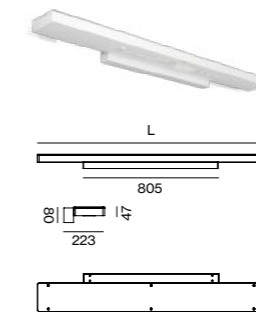
master unit



circadian light  
2200–31000 K

### MATERIAL COLOUR

○ pure white RAL 9010



### RECOVER



#### BASIC

SYS. POWER	COLOUR TEMP.	LUM. FLUX	L (mm)	ORDER CODE
108 W	3000 K	7870 lm	1350	099-2210517
127 W	3000 K	9380 lm	1650	099-2211517



#### DALI

SYS. POWER	COLOUR TEMP.	LUM. FLUX	L (mm)	ORDER CODE
91 W	2700–6500 K*	8550 lm**	1350	099-2210D37
106 W	2700–6500 K*	10200 lm**	1650	099-2211D37

\*examination and reading light 3000 K \*\*measured at 6500 K



#### PRO

SYS. POWER	COLOUR TEMP.	LUM. FLUX	L (mm)	ORDER CODE
198 W	2200–31000 K*	16900 lm**	1350	099-2210037
237 W	2200–31000 K*	20600 lm**	1650	099-2211037

\*examination and reading light 3000 K, nurse night light 2200 K

\*\*measured at 5000 K

### Accessories for RECOVER DALI

#### DALI POWER SUPPLY 220-240 V

TYPE	L-W-H (mm)	ORDER CODE
for top-hat-rail mounting 240 mA	90-36-58	002-59871
for ceiling insertion 200 mA	102-51-30	002-59880

#### DALI MODULE for group/scene control

TYPE	L-W-H (mm)	ORDER CODE
DALI control of 4 scenes/2 groups	48-28-15	002-54026

### Accessories for RECOVER DALI/PRO

#### MASTER UNIT (DALI optional/PRO mandatory)

TYPE	L-W-H (mm)	ORDER CODE
single patient room	85-48-160	099-2291137
double patient room	85-48-160	099-2291237
three patient room	85-48-160	099-2291337
four patient room	85-48-160	099-2291437
five patient room	85-48-160	099-2291537
six patient room	85-48-160	099-2291637

#### INSTALLATION HOUSING (mandatory for MASTER UNIT)

for installation in solid walls

TYPE	L-W-H (mm)	ORDER CODE
installation housing	71-75-135	099-2290000

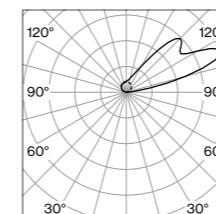
#### SAFETY FRAME FOR MASTER UNIT (optional)

TYPE	L-W-H (mm)	ORDER CODE
safety frame	108-15-182	099-2298007

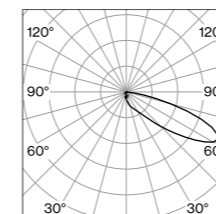
#### LIGHT SENSOR / MOTION DETECTOR DALI, PRO (optional)

TYPE	ORDER CODE
recessed ceiling mounted	002-54051
surface mounted	002-54058
socket mounted	002-54053

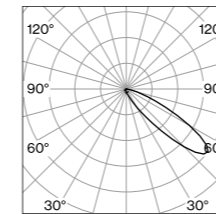
### Light distributions



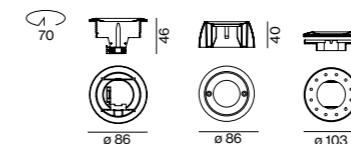
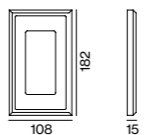
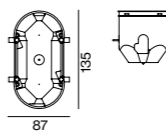
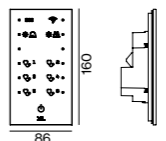
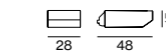
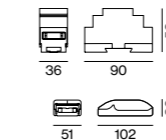
ambient light



examination light



reading light



**EMCO private clinic**  
Bad Dürrenberg/Salzburg, AT –  
by FLEOS architektur with  
lighting design by Das Licht

