

## Description

<sup>EN</sup> Luminaire housing made of extruded aluminium; for trimless installation in plaster-board ceilings; special edge design with perforations for better adhesion of filler; suitable for ceiling thickness of 8–20 mm; surface raw; luminaire profile with pre-assembled converter unit can be pre-mounted; light inset can be installed without tools; HPO (High Performance Opal) cover for uniform illumination; or micro prismatic PMMA diffuser incl. diffuser film for homogeneous illumination and reduced luminance; or with specially computed, asymmetrical lens for homogeneous vertical lighting intensity; energy-efficient LEDs with very good colour rendering; binning initial  $\leq 3$  MacAdam; available in the light colours 3000 K and 4000 K; CRI  $\geq 80$ ; min. 90 % of the luminous flux after 50 000 hours; degree of protection IP 20; PC I; photobiological safety according to IEC 62471 risk group 0; optionally non-dimmable or DALI-2 control

<sup>DE</sup> Leuchtenkörper aus Aluminiumstrangpressprofil; geeignet für den randlosen Einbau in Gipskartondecken; spezielle Randausbildung mit Löchern für bessere Haftung der Spachtelmasse; geeignet für Deckenstärken von 8–20 mm; Oberfläche roh; Leuchtenprofil mit vormontierter Konvertereinheit vorab montierbar; Lichteinsatz werkzeuglos montierbar; HPO (High Performance Opal) Abdeckung für homogene Ausleuchtung; oder mikroprismatische PMMA-Abdeckung inkl. Diffusorfolie zur Reduktion der Leuchtdichte bei homogener Ausleuchtung; oder mit speziell berechneter, asymmetrischer Linse für homogene vertikale Beleuchtungsstärken; energieeffiziente LEDs mit sehr guter Farbwiedergabe; Binning initial  $\leq 3$  MacAdam; lieferbar in den Lichtfarben 3000 K und 4000 K; CRI  $\geq 80$ ; min. 90 % des Lichtstromes nach 50 000 h Lebensdauer; Schutzart IP 20; SK I; photobiologische Sicherheit gemäß IEC 62471 Risikogruppe 0; wahlweise nicht dimmbar oder DALI-2 Steuerung

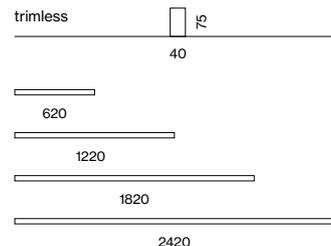
## BASO 40

recessed trimless

## Quickinfo

3000 K, 4000 K  
CRI  $\geq 80$   
L90 @ 50 000 h  
up to 7270 lm  
non DIM, DALI-2  
opal, microprismatic,  
asymmetric lens (wallwasher)

## Types



## Colour



## Light distributions



### Order options

<b>COLOUR TEMPERATURE</b>	••
3000K	5
4000K	6

<b>CONTROL</b>	◆
non DIM	1
DALI-2	3

<b>MATERIAL COLOUR</b>
aluminium raw



<b>LIGHT OPTIC COVER</b>	□
opal high performance	H
microprismatic	Z
asymmetric lens (wallwasher)	

### Options on request

<b>COLOUR RENDERING INDEX</b>
CRI ≥ 90



### BASO 40 trimless



#### OPAL HIGH PERFORMANCE / MICROPRISMATIC

SYS. POWER	COLOUR TEMP.	LUM. FLUX	L (mm)	ORDER CODE
14W	3000K	1330lm	620	0 4 5 - 0 7 2 2 ◆ ◆ 0 □
	4000K	1400lm		
27W	3000K	2650lm	1220	0 4 5 - 0 7 2 4 ◆ ◆ 0 □
	4000K	2810lm		
41W	3000K	3980lm	1820	0 4 5 - 0 7 2 6 ◆ ◆ 0 □
	4000K	4210lm		
55W	3000K	5310lm	2420	0 4 5 - 0 7 2 8 ◆ ◆ 0 □
	4000K	5620lm		

luminous flux opal high performance, -8% by microprismatic cover



### BASO 40 trimless



#### WALLWASHER

SYS. POWER	COLOUR TEMP.	LUM. FLUX	L (mm)	ORDER CODE
14W	3000K	1720lm	620	0 4 5 - 0 7 2 2 ◆ ◆ 0 A
	4000K	1820lm		
27W	3000K	3430lm	1220	0 4 5 - 0 7 2 4 ◆ ◆ 0 A
	4000K	3630lm		
41W	3000K	5150lm	1820	0 4 5 - 0 7 2 6 ◆ ◆ 0 A
	4000K	5450lm		
54W	3000K	6870lm	2420	0 4 5 - 0 7 2 8 ◆ ◆ 0 A
	4000K	7270lm		

### Technical data

#### BASO 40 trimless, wallwasher, 27W, 3000K

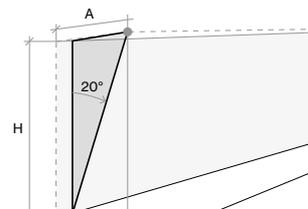


#### ROOM VALUES

Wall dimensions	H = 2.8m   W = 10.8m
Distance to wall	B = 1.3m
Distance between luminaires	A = 0.5m
Reflection factor	0.7   0.5   0.2
Maintenance factor	0.8

#### CALCULATION SURFACE

Surface dimensions	10.8 × 2.8m
Surface height	0 – 2.8m
Eye level	1.35m – 1.75m



#### MOUNTING DISTANCE

H (mm)	A (mm)
2750	900
3000	1000
3500	1200

### LIGHT DISTRIBUTION



### Mounting accessories

#### CONCRETE INSTALLATION HOUSING

L (mm)	W-H (mm)	ORDER CODE
605	55-86	0 4 5 - 0 7 9 2 0 1 0
1205	55-86	0 4 5 - 0 7 9 4 0 1 0
1805	55-86	0 4 5 - 0 7 9 6 0 1 0
2405	55-86	0 4 5 - 0 7 9 8 0 1 0

no use for wall installation (only on request)



## Description

<sup>EN</sup> Luminaire housing made of extruded aluminium; for trimless installation in plaster-board ceilings; special edge design with perforations for better adhesion of filler; suitable for ceiling thickness of 8–20 mm; surface raw; luminaire profile with pre-assembled converter unit can be pre-mounted; light inset can be installed without tools; light inset made from extruded profile for improved thermal management; high-quality, chromed reflector with faceted design; workplace light suitable for VDUs according to DIN EN 12464-1 ( $UGR \leq 19$ ); energy-efficient LEDs with very good colour rendering; binning initial  $\leq 3$  MacAdam; available in the light colours 3000 K and 4000 K;  $CRI \geq 80$ ; min. 90 % of the luminous flux after 50 000 hours; degree of protection IP20; PC I; optionally non-dimmable or DALI-2 control

<sup>DE</sup> Leuchtenkörper aus Aluminiumstrangpressprofil; geeignet für den randlosen Einbau in Gipskartondecken; spezielle Randausbildung mit Löchern für bessere Haftung der Spachtelmasse; geeignet für Deckenstärken von 8–20 mm; Oberfläche roh; Leuchtenprofil mit vormontierter Konvertereinheit vorab montierbar; Lichteinsatz werkzeuglos montierbar; Lichteinsatz aus Strangpressprofil für verbessertes Thermomanagement; hochwertiger, verchromter Reflektor mit Facettenoptik; bildschirmtaugliche Arbeitsplatzleuchte nach DIN EN 12464-1 ( $UGR \leq 19$ ); energieeffiziente LEDs mit sehr guter Farbwiedergabe; Binning initial  $\leq 3$  MacAdam; lieferbar in den Lichtfarben 3000 K und 4000 K;  $CRI \geq 80$ ; min. 90 % des Lichtstromes nach 50 000 h Lebensdauer; Schutzart IP20; SK I; wahlweise nicht dimmbar oder DALI-2 Steuerung

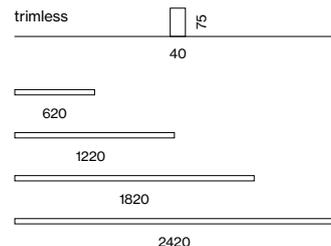
## BASO 40 reflector

recessed trimless

## Quickinfo

3000 K, 4000 K  
 $CRI \geq 80$   
 L90 @ 50 000 h  
 $UGR \leq 19 / 65^\circ \leq 1500 \text{ cd/m}^2$   
 up to 8730 lm  
 non DIM, DALI-2  
 reflector ( $UGR \leq 19$ )

## Types



## Colour



## Light distributions



direct

## Order options

<b>COLOUR TEMPERATURE</b>	☐☐
3000K	5
4000K	6

<b>CONTROL</b>	⬆⬇⬆
non DIM	1
DALI-2	3

<b>MATERIAL COLOUR</b>
aluminium raw



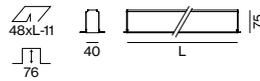
<b>LIGHT OPTIC COVER</b>
reflector (UGR ≤ 19)

## Options on request

<b>COLOUR RENDERING INDEX</b>
CRI ≥ 90



## BASO 40 trimless

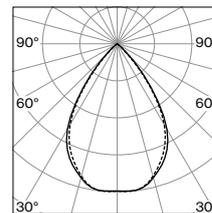


### REFLECTOR

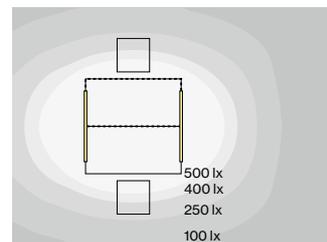
SYS. POWER	COLOUR TEMP.	LUM. FLUX	L (mm)	ORDER CODE
20W	3000K	2060lm	620	0 4 5 - 0 7 2 2 ☐☐ ⬆⬇⬆ 0 R
	4000K	2180lm		
40W	3000K	4120lm	1220	0 4 5 - 0 7 2 4 ☐☐ ⬆⬇⬆ 0 R
	4000K	4370lm		
61W	3000K	6190lm	1820	0 4 5 - 0 7 2 6 ☐☐ ⬆⬇⬆ 0 R
	4000K	6550lm		
81W	3000K	8250lm	2420	0 4 5 - 0 7 2 8 ☐☐ ⬆⬇⬆ 0 R
	4000K	8730lm		

### LIGHT DISTRIBUTION

reflector (UGR ≤ 19)



## Technical data



### BASO 40 reflector, 40 W, 4000 K

#### ROOM VALUES

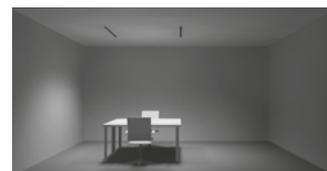
Room dimensions	5,4 × 4 × 2,8 m
Reflection factor	0.7   0.5   0.2
Maintenance factor	0.8

#### 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
≥ 65° ≤ 1500 cd/m²	



## Mounting accessories

### CONCRETE INSTALLATION HOUSING

L (mm)	W-H (mm)	ORDER CODE
660	56-86	0 4 5 - 0 7 9 2 0 1 0
1260	56-86	0 4 5 - 0 7 9 4 0 1 0
1860	56-86	0 4 5 - 0 7 9 6 0 1 0
2460	56-86	0 4 5 - 0 7 9 8 0 1 0

no use for wall installation (only on request)

