

# TUBO 60 CONEX plug / socket

surface / suspended system  
058-30250380



Project / Type

Notes

Count / Date



### General

Ceiling / Wall , Surface

black , RAL 9005 <sup>1</sup>

IP20

3400 lm

2350 lm/m

### LED

3000 K

CRI ≥ 90

L90 / 50000 h

initial MacAdam ≤ 3 SDCM

R<sub>g</sub>: 99 , R<sub>r</sub>: 91 , R<sub>t(1-15)</sub>: 89

MR 0.61

MDER 0.55

### Optical

High Performance Opal

opal (lambertsch)

PstLM ≤ 1.0 <sup>2</sup>

SVM ≤ 0.4 <sup>2</sup>

### Electrical

DALI-2

220-240 V

system 34 W

system 100 lm/W<sup>3</sup>

PC1

1 DALI Addr.

23 W/m

### Physical

length 1474 mm

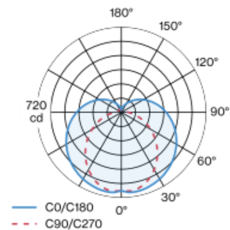
width 60 mm

height 60 mm

3.4 kg

Carrier profile made of extruded aluminium profile; converter integrated into luminaire housing; for continuous lighting systems; surface black powder coated; for wall-/ceiling surface mounting or suspended mounting (1500 mm cable suspension - oblique or straight - as an accessory); easy installation using ceiling clips (available as an accessory) or with integrated toolless suspension height adjustment on the luminaire; freely positioned attachment to the luminaire; canopy for through wiring (available as an accessory); electrical connection of the luminaires via plug/socket system; connectors (L-, T- or X-shape) available as an accessory; luminaire connection rotatable around its own axis, which means that any spatial angle can be realized; light control via high quality lens system for maximum, homogeneous illumination; cylindrical cover made of satin PMMA for uniform illumination; with gentle ceiling illumination; light colour 3000 K; binning initial MacAdam ≤ 3 SDCM; CRI ≥ 90; min. 90% of luminous flux after 50000 operating hours; energy efficient LEDs with high CRI; degree of protection IP20; PC1; incl. DALI-2 converter; accessories are listed separately; light source replaceable by an authorized professional; control gear replaceable by an authorized professional;

### Light distribution



### Product drawing



<sup>1</sup> RAL code <sup>2</sup> Value of containing product at full load (undimmed)  
<sup>3</sup> FIXTURE: incl. consideration of optical losses & internal control unit losses SYSTEM: incl. consideration of optical losses, internal control unit losses & operating device efficiency.

### Installation instructions



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## Maintenance Factors

Operating Time [h]	10 000	20 000	30 000	40 000	50 000
LLMF	0.98	0.96	0.94	0.92	0.9
LSF	1	1	1	1	1
MF	LMF × RSMF × LLMF × LSF		RSMF <sup>a</sup>	Room Surface Maintenance Factor	
MF	Maintenance Factor		LLMF	Lamp Lumens Maintenance Factor	
LMF <sup>a</sup>	Luminaire Maintenance Factor		LSF	Lamp Survival Faktor	

<sup>a</sup> According to "CIE 97, Maintenance of indoor electric lighting systems", 2005, ISBN 3-900-734-34-8. The values must be determined by the planner.

## Circuit Breaker Types

Automatic Circuit Breaker Type	Number of Fixtures
B10	18
B13	24
B16	30
B20	37
C10	31
C13	40
C16	51
C20	62

## Mounting accessories

### LINEAR CONNECTOR

TYPE	COLOUR	L-W-H (MM)	ARTICLE NUMBER(S)
mechanical   incl. opal cover connector	pure white		058-3013117
mechanical   incl. opal cover connector	jet black		058-3013118
mechanical & electrical   incl. opal cover connector	pure white		058-3013127
mechanical & electrical   incl. opal cover connector	jet black		058-3013128
mechanical   incl. opal cover connector	pure white	60-18-7	058-3013217
mechanical   incl. opal cover connector	jet black	60-18-7	058-3013218
mechanical & electrical   incl. opal cover connector	pure white	37-23-10	058-3013227
mechanical & electrical   incl. opal cover connector	jet black	37-23-10	058-3013228



### L CONEX CONNECTOR

TYPE	COLOUR	ARTICLE NUMBER(S)
mechanical & electrical	pure white	058-3018727
mechanical & electrical	jet black	058-3018728



### T CONEX CONNECTOR

TYPE	COLOUR	ARTICLE NUMBER(S)
mechanical & electrical	pure white	058-3018827
mechanical & electrical	jet black	058-3018828



### X CONEX CONNECTOR

TYPE	COLOUR	ARTICLE NUMBER(S)
mechanical & electrical	pure white	058-3018927
mechanical & electrical	jet black	058-3018928



### CONEX flex connector

COLOUR	ARTICLE NUMBER(S)
pure white	058-3018627
jet black	058-3018628



[058-30250380] The technical data represent rated values for an ambient temperature of 25°C. The data values for the luminous flux are initially subject to a tolerance of +/- 10%, those for the electrical connected load are initially subject to a tolerance of +/- 10%, and those for the colour temperature are initially subject to a tolerance of +/- 150 K. No liability is assumed for typographical or printing errors. The general terms and conditions of XAL GmbH apply.  
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05.04.2025

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### MOUNTING SET

COLOUR	L-W-H (MM)	ARTICLE NUMBER(S)
pure white	75-20-10	058-3014117
jet black	75-20-10	058-3014118



### CABLE SUSPENSION

TYPE	COLOUR	ARTICLE NUMBER(S)
	chrome	058-3014210
	black	058-3014218
angular max. 60°	chrome	058-3014310
angular max. 60°	black	058-3014318



### CONNECTOR CABLE SUSPENSION

COLOUR	ARTICLE NUMBER(S)
chrome	058-3018110
black	058-3018118



### CANOPY

TYPE	COLOUR	Ø (MM)	ARTICLE NUMBER(S)
DALI-2	pure white	90	005-2600037
DALI-2	jet black	90	005-2600038



## Electrical accessories

### END CAP POWER FEEDER

TYPE	COLOUR	ARTICLE NUMBER(S)
	pure white	058-3010217
	jet black	058-3010218
5 × 1.5 mm <sup>2</sup>	pure white	058-3010417
5 × 1.5 mm <sup>2</sup>	jet black	058-3010418



### MIDDLE POWER FEEDER

TYPE	COLOUR	ARTICLE NUMBER(S)
	pure white	058-3011217
	jet black	058-3011218
5 × 1.5 mm <sup>2</sup>	pure white	058-3011317
5 × 1.5 mm <sup>2</sup>	jet black	058-3011318



### L CONEX POWER FEEDER

TYPE	COLOUR	ARTICLE NUMBER(S)
5 × 1.5 mm <sup>2</sup>	pure white	058-3018737
5 × 1.5 mm <sup>2</sup>	jet black	058-3018738



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## Electrical accessories

### ESSENTIAL SENSOR

TYPE	COLOUR	L-W-H (MM)	ARTICLE NUMBER(S)
brightness & presence	pure white	90-60-65	058-3019117
brightness & presence	jet black	90-60-65	058-3019118



### SENSE SENSOR

TYPE	COLOUR	ARTICLE NUMBER(S)
brightness, presence, temperature, sound pressure, humidity, CO2	pure white	058-3019217
brightness, presence, temperature, sound pressure, humidity, CO2	jet black	058-3019218



## Optical accessories

### END CAP

COLOUR	ARTICLE NUMBER(S)
pure white	058-3010017
jet black	058-3010018



## Optical accessories

### BLIND CHANNEL standard

TYPE	COLOUR	L-W-H (MM)	ARTICLE NUMBER(S)
incl. through wiring	pure white	585-60-60	058-4922037
incl. through wiring	jet black	585-60-60	058-4922038
incl. through wiring	pure white	1185-60-60	058-4924037
incl. through wiring	jet black	1185-60-60	058-4924038
incl. through wiring	pure white	2351-60-60	058-4928037
incl. through wiring	jet black	2351-60-60	058-4928038
incl. through wiring	pure white	2936-60-60	058-4929037
incl. through wiring	jet black	2936-60-60	058-4929038



### BLIND CHANNEL CONEX L/T/X

TYPE	COLOUR	L-W-H (MM)	ARTICLE NUMBER(S)
incl. through wiring	pure white	585-60-60	058-4932037
incl. through wiring	jet black	585-60-60	058-4932038
incl. through wiring	pure white	1185-60-60	058-4934037
incl. through wiring	jet black	1185-60-60	058-4934038
incl. through wiring	pure white	2351-60-60	058-4938037
incl. through wiring	jet black	2351-60-60	058-4938038
incl. through wiring	pure white	2936-60-60	058-4939037
incl. through wiring	jet black	2936-60-60	058-4939038

