

# TUBO 60 CONEX

## socket / socket

surface / suspended system  
058-30356370



Project / Type

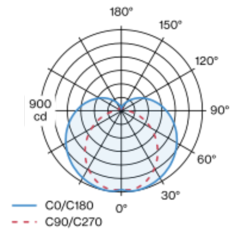
Notes

Count / Date



Carrier profile made of extruded aluminium profile; converter integrated into luminaire housing; for continuous lighting systems; surface pure white 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 4000 K; binning initial MacAdam  $\leq 3$  SDCM; CRI  $\geq 80$ ; 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



### General

Ceiling / Wall | Surface

pure white | RAL 9010

IP20

4490 lm

3100 lm/m

### LED

4000 K

CRI  $\geq 80$

L90 / 50000 h

initial MacAdam  $\leq 3$  SDCM

MR 0.72 | MDER 0.65

### Optical

High Performance Opal | opal (lambertsch)

PstLM  $\leq 1.0$  <sup>1</sup> | SVM  $\leq 0.4$  <sup>1</sup>

### Electrical

DALI-2 | 1 DALI Addr.

PC1 | 220-240 V

system 34 W

system 132 lm/W <sup>2</sup>

socket / socket

23 W/m

### Physical

length 1474 mm | width 60 mm | height 60 mm

1.74 kg

<sup>1</sup> Value of containing product at full load (undimmed)  
<sup>2</sup> 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 Factor	

<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



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### Mounting accessories

#### LINEAR CONNECTOR surface

TYPE	COLOUR	Ø (MM)	ARTICLE NUMBER(S)
mechanical	pure white	60	058-3013117
mechanical	jet black	60	058-3013118
mechanical & electrical	pure white	60	058-3013127
mechanical & electrical	jet black	60	058-3013128



60 18 7

#### LINEAR CONNECTOR suspended

TYPE	COLOUR	Ø (MM)	ARTICLE NUMBER(S)
mechanical	pure white	60	058-3013217
mechanical	jet black	60	058-3013218
mechanical & electrical	pure white	60	058-3013227
mechanical & electrical	jet black	60	058-3013228



60 18 7

#### 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

TYPE	COLOUR	Ø (MM)	ARTICLE NUMBER(S)
mechanical & electrical	pure white	60	058-3018627
mechanical & electrical	jet black	60	058-3018628



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### Mounting accessories

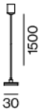
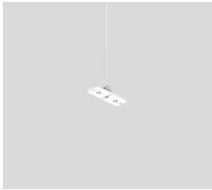
#### CEILING MOUNTING SET

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



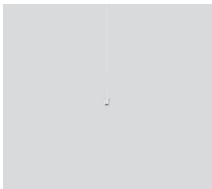
#### CABLE SUSPENSION

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



#### CONNECTOR CABLE SUSPENSION

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



#### CANOPY

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



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## Electrical accessories

### END CAP POWER FEEDER surface

COLOUR  
pure white  
jet black

ARTICLE NUMBER(S)  
058-3010217  
058-3010218



### MIDDLE POWER FEEDER surface

COLOUR  
pure white  
jet black

ARTICLE NUMBER(S)  
058-3011217  
058-3011218



### END CAP POWER FEEDER suspended

COLOUR  
pure white  
jet black

ARTICLE NUMBER(S)  
058-3010417  
058-3010418



### MIDDLE POWER FEEDER suspended

COLOUR  
pure white  
jet black

ARTICLE NUMBER(S)  
058-3011317  
058-3011318



### L CONEX POWER FEEDER suspended

COLOUR  
pure white  
jet black

ARTICLE NUMBER(S)  
058-3018737  
058-3018738



## Electrical accessories

### ESSENTIAL SENSOR

TYPE  
brightness & presence  
brightness & presence

COLOUR  
pure white  
jet black

L-W-H (MM)  
90-60-65  
90-60-65

ARTICLE NUMBER(S)  
058-3019117  
058-3019118



### SENSE SENSOR

TYPE  
brightness, presence, temperature, sound pressure, humidity, CO2  
brightness, presence, temperature, sound pressure, humidity, CO2

COLOUR  
pure white  
jet black

ARTICLE NUMBER(S)  
058-3019217  
058-3019218



[058-30356370] 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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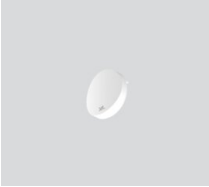
Notes

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## Optical accessories

### END CAP

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

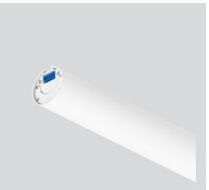


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12

## Optical accessories

### BLIND CHANNEL standard

TYPE	COLOUR	L-W-H (MM)	ARTICLE NUMBER(S)
plug / socket   incl. through wiring	pure white	585-60-60	058-4922037
plug / socket   incl. through wiring	jet black	585-60-60	058-4922038
plug / socket   incl. through wiring	pure white	1185-60-60	058-4924037
plug / socket   incl. through wiring	jet black	1185-60-60	058-4924038
plug / socket   incl. through wiring	pure white	2351-60-60	058-4928037
plug / socket   incl. through wiring	jet black	2351-60-60	058-4928038
plug / socket   incl. through wiring	pure white	2936-60-60	058-4929037
plug / socket   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)
socket / socket   incl. through wiring	pure white	585-60-60	058-4932037
socket / socket   incl. through wiring	jet black	585-60-60	058-4932038
socket / socket   incl. through wiring	pure white	1185-60-60	058-4934037
socket / socket   incl. through wiring	jet black	1185-60-60	058-4934038
socket / socket   incl. through wiring	pure white	2351-60-60	058-4938037
socket / socket   incl. through wiring	jet black	2351-60-60	058-4938038
socket / socket   incl. through wiring	pure white	2936-60-60	058-4939037
socket / socket   incl. through wiring	jet black	2936-60-60	058-4939038

