

TUBO 60

system

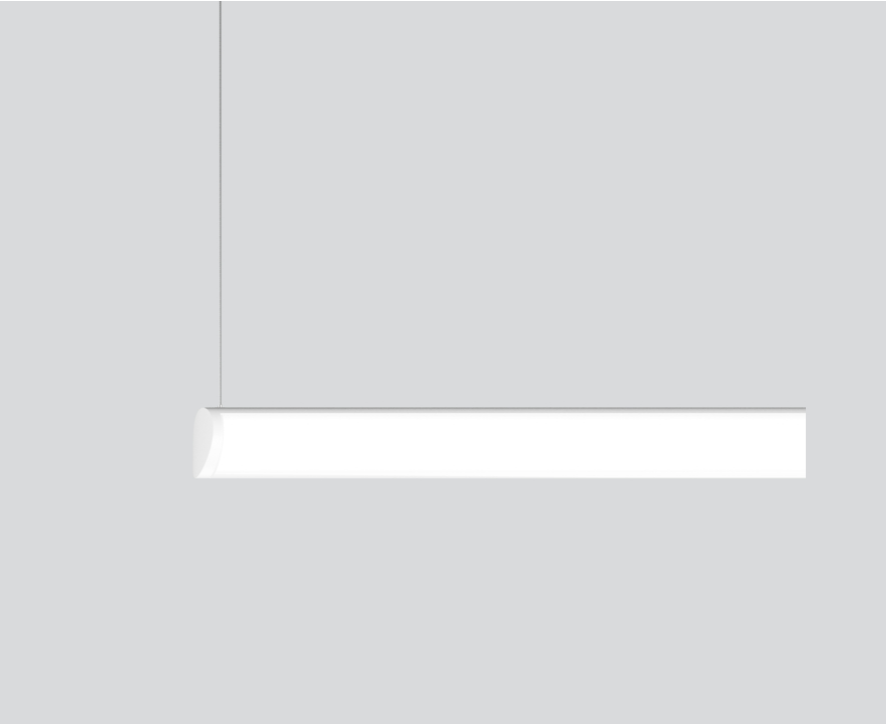
058-30246170



Project / Type

Notes

Count / Date



General

Ceiling / Wall | Surface

white | RAL9010 ¹

3180 lm/m

IP20

3760 lm

LED

4000 K

CRI ≥ 80

L90 / 50000 h

photobio. safety RG 0 - no Risk

initial MacAdam ≤ 3 SDCM

MR 0.6 | MDER 0.66

Optical

High Performance Opal

Electrical

non DIM

33 W

PC1 220-240V

114 lm/W ²

28 W/m

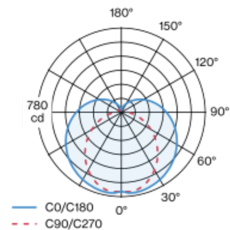
Physical

length 1181 mm | width 60 mm | height 60 mm

3.4 kg

Carrier profile made of extruded aluminium profile; light-tight end caps in aluminium (available as an accessory); converter integrated into luminaire housing; for continuous lighting systems; surface 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 tool-less suspension height adjustment; freely positioned attachment to the luminaire; canopy for through wiring (available as an accessory); light control via high quality lens system for maximum, homogeneous illumination; light colour 4000 K; binning initial MacAdam ≤ 3 SDCM; CRI ≥ 80; min. 90% of luminous flux after 50000 operating hours; energy efficient LEDs with high CRI; cylindrical cover made of satin PMMA for uniform illumination; with gentle ceiling illumination; degree of protection IP20; PC1 220-240V; photobiological safety according to IEC 62471 risk group RG 0 - no Risk; incl. converter, non dimmable; accessories are listed separately; light source replaceable by an authorized professional; control gear replaceable by an authorized professional;

Light distribution



Product drawing



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	0.91	0.9
LSF	1	1	1	1	1
MF	LMF × RSMF × LLMF × LSF		RSMF ^a	Room Surface Maintenance Factor	
MF	Maintenance Factor		LLMF	Lamp Lumens Maintenance Factor	
LMF ^a	Luminaire Maintenance Factor		LSF	Lamp Survival Factor	

^a 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
B20	37
C10	31
C13	40
C16	51
C20	62

Mounting accessories

END CAP

COLOUR	ARTICLE NUMBER(S)
pure white	058-3010017

POWER FEEDER surface

TYPE	COLOUR	ARTICLE NUMBER(S)
end cap power feeder	pure white	058-3010217

POWER FEEDER suspended

TYPE	COLOUR	ARTICLE NUMBER(S)
end cap power feeder	pure white	058-3010417

Mounting accessories

LINEAR CONNECTOR surface

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

LINEAR CONNECTOR suspended

TYPE	COLOUR	Ø (MM)	ARTICLE NUMBER(S)
mechanical	pure white	60	058-3013217
mechanical angular 60°	pure white	60	058-3013317
mechanical & electrical	pure white	60	058-3013227
mechanical & electrical angular 60°	pure white	60	058-3013327

Mounting accessories

CABLE SUSPENSION

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



[058-30246170] 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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Mounting accessories

CANOPY

TYPE	COLOUR	Ø (MM)	ARTICLE NUMBER(S)
	pure white	90	005-2600037
	jet black	90	005-2600038
non DIM	pure white	90	005-2600017
non DIM	jet black	90	005-2600018



Electrical accessories

POWER FEEDER surface

TYPE	COLOUR	ARTICLE NUMBER(S)
middle power feeder	pure white	058-3011217



POWER FEEDER suspended

TYPE	COLOUR	ARTICLE NUMBER(S)
middle power feeder	pure white	058-3011317



MIDDLE POWER FEEDER

TYPE	COLOUR	ARTICLE NUMBER(S)
5 × 1.5 mm² angular max 60°	pure white	058-3011327

