

TUBO 100

system

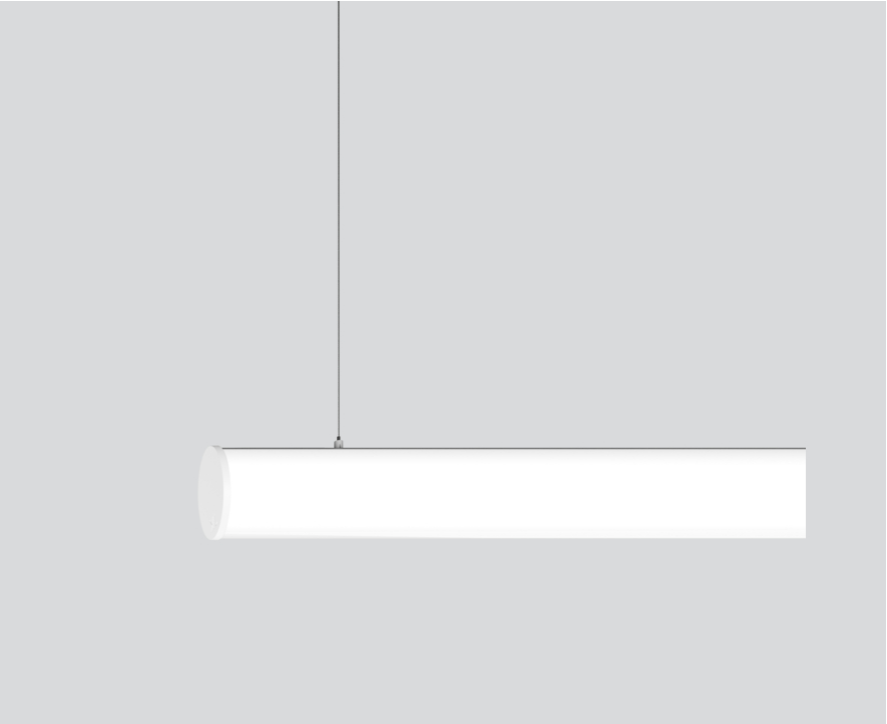
029-8834537 029-01267 006-5211700



Project / Type

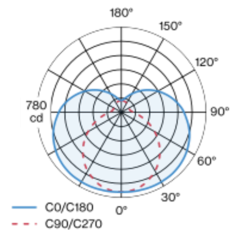
Notes

Count / Date

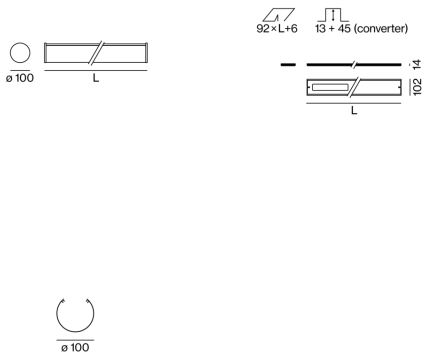


Carrier profile made of extruded aluminium profile; light tight final end caps made of aluminium (available as an accessory); no visible screws; for continuous lighting systems; surface white powder coated; for ceiling surface mounting or suspended mounting (1500 mm cable suspension as an accessory); height adjustment without tools; spring clip attachment to the luminaire; freely positionable; lighting profile (end cover pre-assembled) available in advance for installation; remaining lamp components mounted without tools; LED light inset consisting of highly reflective lacquered aluminium for improved thermal management; light colour 3000 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 340° light emission and gentle ceiling illumination; degree of protection IP20; PC1 220-240V; photobiological safety according to IEC 62471 risk group RG 0 - no Risk; internal wiring in light halogen free; 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 , Suspended

white , RAL9010 ¹

4070 lm/m

IP20

4770 lm

LED

3000 K

CRI ≥ 80

L90 / 50000 h

photobio. safety RG 0 - no Risk

initial MacAdam ≤ 3 SDCM

MR 0.54

MDER 0.49

Optical

High Performance Opal

PstLM ≤ 1.0 ²

SVM ≤ 0.4 ²

Electrical

DALI-2

no emergency light

37 W

PC1 220-240V

129 lm/W

1 DALI Addr.

31 W/m

Physical

length 1182 mm

width 100 mm

height 100 mm

2.68 kg

¹ RAL code ² Value of containing product at full load (undimmed)

Installation instructions



Lighting calculator



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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 Faktor		

^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
B13	23
B16	28
B20	35
C10	30
C13	38
C16	46
C20	58

Components

INSTALLATION CHANNEL

TYPE	L-W-H (MM)	ARTICLE NUMBER(S)
1182 mm	1182-68-29	029-01267



COVER OPAL

TYPE	Ø (MM)	ARTICLE NUMBER(S)
1177 mm	100	006-5211700



Mounting accessories

END CAPS

TYPE	Ø (MM)	ARTICLE NUMBER(S)
1 pair	104	029-14067



LINEAR CONNECTOR

TYPE	ARTICLE NUMBER(S)
1 piece	029-12027
10 pieces	029-1202710



OPAL COVER LINEAR CONNECTOR

ARTICLE NUMBER(S)
029-12927



ANTI-SLIP PROTECTION

TYPE	ARTICLE NUMBER(S)
per cover	029-00347



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MOUNTING SET

ARTICLE NUMBER(S)	
029-00446	



CABLE SUSPENSION

TYPE	ARTICLE NUMBER(S)
straight	005-2142110
angular max. 60°	005-2142210



CANOPY / FEEDER CABLE

TYPE	ARTICLE NUMBER(S)
3 x 1,5 mm ²	005-2222317
5 x 1,5 mm ²	005-2222417



CABLE RAIL

Ø (MM)	ARTICLE NUMBER(S)
1200	005-2491110



Electrical accessories

THROUGH WIRE

TYPE	ARTICLE NUMBER(S)
3 x 1,5 mm ² 10 pieces	004-90003
5 x 1,5 mm ² 10 pieces	004-90005

