

# TUBO 100

system

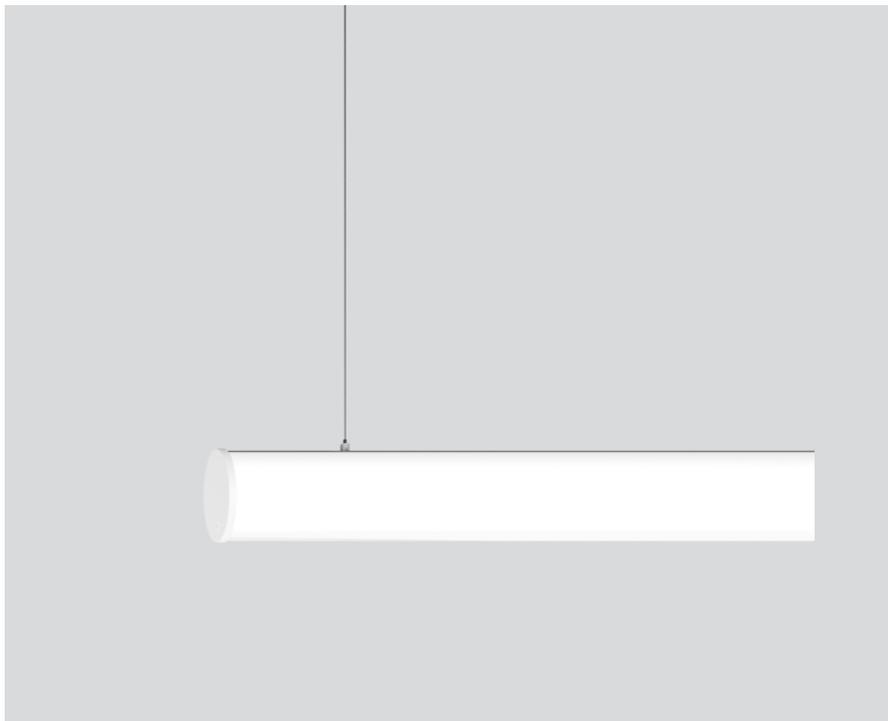
029-8838517 029-02567 006-5223400



Project / Type

Notes

Count / Date



## General

Ceiling , Suspended

white , RAL9010 <sup>1</sup>

4070 lm/m

IP20

9540 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

opal (lambertsch)

PstLM ≤ 1.0 <sup>2</sup>

## Electrical

non DIM

no emergency light

73 W

PC1 220-240V

131 lm/W

31 W/m

## Physical

length 2364 mm

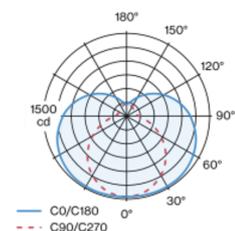
width 100 mm

height 100 mm

5.1 kg

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. 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



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

## Installation instructions



## Lighting calculator



[029-8838517 029-02567 006-5223400] 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.

© XAL GmbH · Auer-Welsbach-Gasse 36 · 8055 Graz · Austria · www.xal.com

27.09.2024

1 / 3

# TUBO 100

system

029-8838517 029-02567 006-5223400



Project / Type

Notes

Count / Date

## 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 <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	15
B13	19
B16	24
B20	30
C10	25
C13	32
C16	40
C20	49

## Components

### INSTALLATION CHANNEL

TYPE	L-W-H (MM)	ARTICLE NUMBER(S)
2364 mm	2364-68-29	029-02567



### COVER OPAL

TYPE	Ø (MM)	ARTICLE NUMBER(S)
2359 mm	100	006-5223400



## 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	029-12027.10



### OPAL COVER LINEAR CONNECTOR

ARTICLE NUMBER(S)
029-12927



### ANTI-SLIP PROTECTION

TYPE	ARTICLE NUMBER(S)
per cover	029-00347



[029-8838517 029-02567 006-5223400] 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.

© XAL GmbH · Auer-Welsbach-Gasse 36 · 8055 Graz · Austria · www.xal.com

27.09.2024

2 / 3

# TUBO 100

system

029-8838517 029-02567 006-5223400



Project / Type

Notes

Count / Date

## Mounting accessories

### MOUNTING SET

ARTICLE NUMBER(S)  
029-00446



### CABLE SUSPENSION

**TYPE**

straight

angular max. 60°

**ARTICLE NUMBER(S)**

005-2142110

005-2142210



### CANOPY / FEEDER CABLE

**TYPE**

3 x 1,5 mm<sup>2</sup>

5 x 1,5 mm<sup>2</sup>

**ARTICLE NUMBER(S)**

005-2222317

005-2222417



### CABLE RAIL

Ø (MM)

1200

**ARTICLE NUMBER(S)**

005-2491110



## Electrical accessories

### THROUGH WIRE

**TYPE**

3 x 1,5 mm<sup>2</sup> | 10 pieces

5 x 1,5 mm<sup>2</sup> | 10 pieces

**ARTICLE NUMBER(S)**

004-90003

004-90005

