



Project / Type

Notes

Count / Date

**General**Ceiling / Wall , Semi-Recessed<sup>1</sup>-Surface<sup>2</sup>black , RAL 9005<sup>3</sup>front IP40<sup>1</sup>-IP20<sup>2</sup> , back IP20

4900 lm

2010 lm/m

jet black

**LED**

3000 K

CRI ≥ 80

L90 / 50000 h

initial MacAdam ≤ 3 SDCM

MR 0.54

MDER 0.49

**Optical**

High Performance Opal

opal (lambertsch)

PstLM ≤ 1.0<sup>1 2 4</sup>SVM ≤ 0.4<sup>1 2 4</sup>**Electrical**

DALI-2

220-240 V

system 38 W

system 129 lm/W<sup>5</sup>

PC1

1 DALI Addr.

16 W/m

**Physical**

length 2438 mm

width 89 mm

height 28 mm

5.5 kg

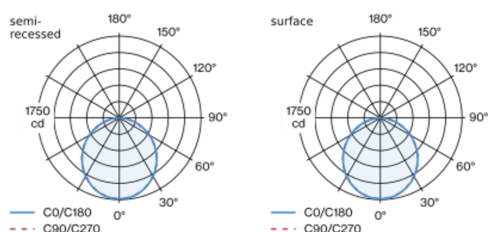
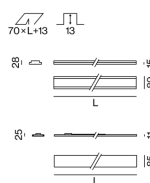
**Cutout**

length 2451 mm

width 70 mm

min. ceiling thickness 12.5 mm

recessed depth 13 mm

<sup>1</sup> semi-recessed <sup>2</sup> surface <sup>3</sup> RAL code<sup>4</sup> Value of containing product at full load (undimmed)<sup>5</sup> FIXTURE: incl. consideration of optical losses & internal control unit losses SYSTEM: incl. consideration of optical losses, internal control unit losses & operating device efficiency.**Light distribution****Product drawing**



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Maintenance Factors

Operating Time [h]	10 000	20 000	30 000	40 000	50 000
LLMF	0.98	0.95	0.93	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	18
B13	24
B16	30
B20	37
C10	31
C13	40
C16	51
C20	62

Components

INSTALLATION CHANNEL

COLOUR	L-W-H (MM)	ARTICLE NUMBER(S)
jet black	2438-89-28	051-8920248



Mounting accessories

END CAPS

COLOUR	ARTICLE NUMBER(S)
pure white	051-8992217
jet black	051-8992218



Mounting accessories

LINEAR CONNECTOR

TYPE	ARTICLE NUMBER(S)
1 pair	051-8992110
10 pairs	051-8992110:10



POWER FEEDER CONNECTOR

ARTICLE NUMBER(S)
051-8992330



Other accessories

DISMOUNTING TOOL

TYPE	ARTICLE NUMBER(S)
vacuum cup	086-30000

