



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

3520 lm

1930 lm/m

jet black

**LED**

3000 K

CRI ≥ 80

L90 / 50000 h

initial MacAdam ≤ 3 SDCM

MR 0.54

MDER 0.49

**Optical**

Jut-Out

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 28.6 W

system 123 lm/W<sup>5</sup>

PC1

1 DALI Addr.

16 W/m

**Physical**

length 1830 mm

width 89 mm

height 38 mm

4.3 kg

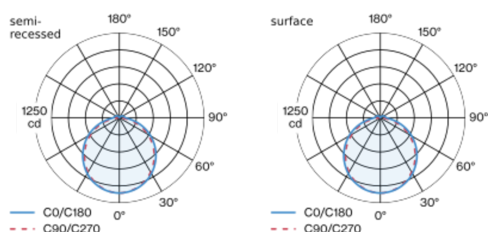
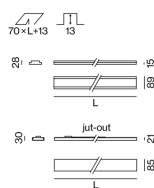
**Cutout**

length 1843 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.**Installation instructions****Light distribution****Product drawing**

# LENO jut-out

semi-recessed / surface system

051-8216537J 051-8920188



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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	1830-89-28	051-8920188



## 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

