



Project / Type

Notes

Count / Date



General

Ceiling , Suspended

black , RAL 9005 <sup>1</sup>

Channel jet black

IP20

2450 lm

2010 lm/m

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>2</sup>

SVM ≤ 0.4 <sup>2</sup>

Electrical

DALI-2

220-240 V

system 19.1 W

system 128 lm/W<sup>3</sup>

PC1

1 DALI Addr.

16 W/m

Physical

cable 1500 mm

length 1221 mm

width 89 mm

height 28 mm

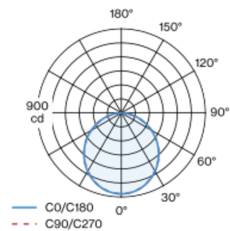
3 kg

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

<sup>3</sup> incl. consideration of optical losses, internal control unit losses & operating device efficiency

Low profile suspended luminaire, 28 mm total height; converter integrated into luminaire housing; for suspended mounting (1500 mm cable suspension as an accessory); with integrated toolless suspension height adjustment on the luminaire; for continuous lighting systems; surface black powder coated; fall-safe light inset made of extruded aluminium profile, can be inserted in the canal without tools by magnetic holders; side coupled light directed downward through LGP (LIGHT GUIDING PRISM) body and high efficiency reflector; HPO (High Performance Opal) cover for uniform illumination; flush cover; 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; degree of protection IP20; PC1; 220-240 V; internal wiring in light halogen free; incl. DALI-2 converter; accessories are listed separately; light source not replaceable; control gear replaceable by an authorized professional;

Light distribution



Product drawing



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	0.95	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 Factor	

<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	1221-89-28	051-8930128



## 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	051-8993110
10 pairs	051-8993110:10



## CABLE SUSPENSION

ARTICLE NUMBER(S)
005-2122110



## Mounting accessories

## CANOPY / FEEDER CABLE

TYPE	COLOUR	L-W-H (MM)	ARTICLE NUMBER(S)
5 x 1,5 mm <sup>2</sup>	pure white	90-90-22	005-2212417
5 x 1,5 mm <sup>2</sup>	jet black	90-90-22	005-2212418



# LENO opal

suspended system

051-8214537H 051-8930128



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## Electrical accessories

### POWER FEEDER CONNECTOR

ARTICLE NUMBER(S)  
051-8992330



## Other accessories

### DISMOUNTING TOOL

TYPE  
vacuum cup

ARTICLE NUMBER(S)  
086-30000

