



Project / Type

Notes

Count / Date



General

Ceiling , Suspended

black , RAL9005 ¹

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 ²

SVM ≤ 0.4 ²

Electrical

DALI-2

220-240 V

system 19.1 W

PC1

system 128 lm/W³

1 DALI Addr.

16 W/m

Physical

cabl 1500 mm

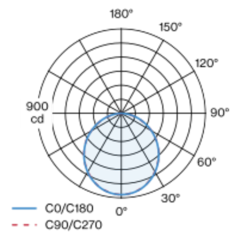
length 1226 mm

width 89 mm

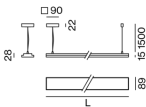
height 28 mm

3 kg

Light distribution



Product drawing



¹ RAL code ² Value of containing product at full load (undimmed)
³ SYSTEM: incl. consideration of optical losses and the efficiency of the operating device. INSET: incl. consideration of optical losses.

Installation instructions



Lighting calculator



LENO opal

suspended

051-9214538H



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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

MF

LMF^a

LMF × RSMF × LLMF × LSF

Maintenance Factor

Luminaire Maintenance Factor

RSMF^a

LLMF

LSF

Room Surface Maintenance Factor

Lamp Lumens Maintenance Factor

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	24
B16	30
B20	37
C10	31
C13	40
C16	51
C20	62

