



Project / Type

Notes

Count / Date



General

Wall , Surface

black , RAL9005 ¹

End cap black

IP44

2220 lm

LED

4000 K

CRI ≥ 90

L80 / 50000 h

initial MacAdam ≤ 3 SDCM

R_g: 98 , R_r: 90 , R_{t(1-15)}: 88

MR 0.76

MDER 0.69

Optical

High Performance Opal

opal (lambertsch)

P_{stLM} ≤ 1.0 ²

SVM ≤ 0.4 ²

Electrical

DALI-2

220-240 V

system 19.7 W

PC1

system 113 lm/W³

1 DALI Addr.

Physical

length 900 mm

width 80 mm

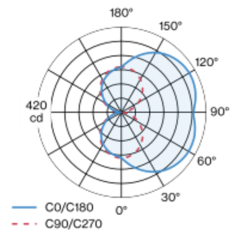
height 40 mm

1.3 kg

¹ RAL code ² Value of containing product at full load (undimmed)

³ incl. optical losses and the efficiency of the operating device (converter)

Light distribution



Product drawing



Installation instructions





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Maintenance Factors

Operating Time [h]	10 000	20 000	30 000	40 000	50 000
LLMF	0.96	0.92	0.87	0.83	0.8
LSF	1	1	1	1	1
MF	LMF × RSMF × LLMF × LSF		RSMF ^a	Room Surface Maintenance Factor	
MF	Maintenance Factor		LLMF	Lamp Lumens Maintenance Factor	
LMF ^a	Luminaire Maintenance Factor		LSF	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
B25	46
C10	31
C13	40
C16	51
C20	62
C25	78