



Project / Type

Notes

Count / Date



General

Ceiling , Track

black , RAL 9005 ¹

black

IP20

289 lm

optical inset 100 lm/W²

LED

3000 K

CRI ≥ 90

L80 / 50000 h

initial MacAdam ≤ 3 SDCM

R_g: 100 , R_f: 92 , R_{f(1-5)}: 91

MR 0.64

MDER 0.58

Optical

medium square

beam angle 33°

UGR < 10 , ≥65° <1500 cd/m²P_{stLM} ≤ 1.0 ³SVM ≤ 0.4 ³

Electrical

DALI-2

48 V

fixture 3.4 W

fixture 85 lm/W⁴

optical inset 2.9 W

PC3

1 DALI Addr.

Physical

length 43 mm

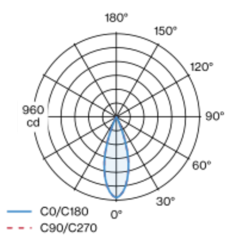
width 43 mm

height 48 mm

0.1 kg

¹ RAL code² OPTICAL INSET: incl. consideration of optical losses³ Value of containing product at full load (undimmed)⁴ 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	0.94	0.91	0.89	0.87	0.84
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.