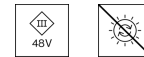
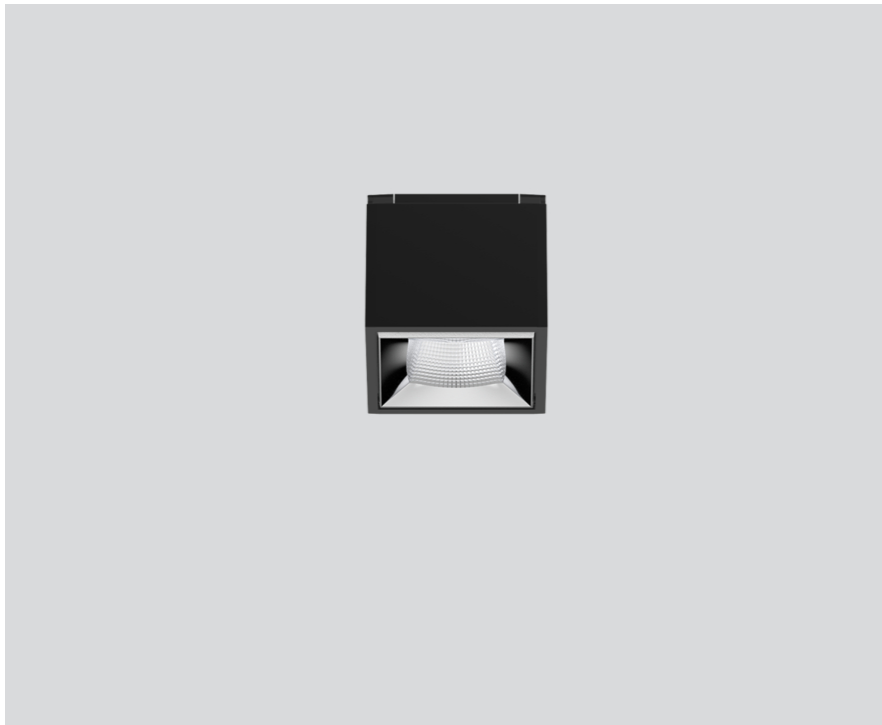




Project / Type
Notes
Count / Date



General

Ceiling , Track
black , RAL9005 ¹
chrome
IP20
359 lm

LED

4000 K
CRI ≥ 90
L80 / 50000 h
initial MacAdam ≤ 3 SDCM
R _g : 102 , R _f : 93 , R _{f(1-15)} : 92
MR 0.81
MDER 0.74

Optical

flood square
beam angle 56°
UGR < 19 , ≥65° <1500 cd/m²

Electrical

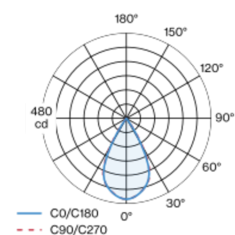
DALI-2
3.4 W
PC3 48V
106 lm/W
1 DALI Addr.

Physical

length 43 mm
width 43 mm
height 48 mm
0.1 kg

¹ RAL code

Light distribution



Product drawing



Installation instructions



Lighting calculator





Project / Type

Notes

Count / Date

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.