



Project / Type

Notes

Count / Date



### General

Ceiling , Track

black , RAL9005 <sup>1</sup>

black

IP20

186 lm

### LED

tunable white

2700 K - 5000 K

CRI ≥ 80

L80 / 50000 h

initial MacAdam ≤ 3 SDCM

MR 0.55

MDER 0.5

### Optical

flood square

beam angle 52°

UGR < 16 , ≥ 65° < 1500 cd/m<sup>2</sup>PstLM ≤ 1.0 <sup>2</sup>SVM ≤ 0.4 <sup>2</sup>

### Electrical

DALI-2 DT8

system 2.5 W

PC3 48V

system 74 lm/W<sup>3</sup>

1 DALI Addr.

### Physical

length 43 mm

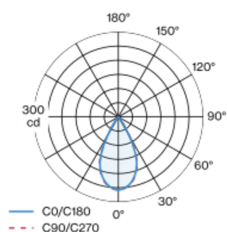
width 43 mm

height 48 mm

0.1 kg

<sup>1</sup> RAL code <sup>2</sup> Value of containing product at full load (undimmed)<sup>3</sup> incl. optical losses and the efficiency of the operating device (converter)

### 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	0.98	0.93	0.89	0.85	0.81
LSF	1	1	1	1	1

MF

MF

LMF<sup>a</sup>

LMF × RSMF × LLMF × LSF

Maintenance Factor

Luminaire Maintenance Factor

RSMF<sup>a</sup>

LLMF

LSF

Room Surface Maintenance Factor

Lamp Lumens Maintenance Factor

Lamp Survival Faktor

<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.