



Project / Type \_\_\_\_\_

Notes \_\_\_\_\_

Count / Date \_\_\_\_\_



General

Ceiling / Wall , Track \_\_\_\_\_

rotation 360° \_\_\_\_\_

black , RAL 9005 <sup>1</sup> \_\_\_\_\_

IP20 \_\_\_\_\_

1780 lm \_\_\_\_\_

1980 lm/m \_\_\_\_\_

optical inset 160 lm/W<sup>2</sup> \_\_\_\_\_

LED

2700 K \_\_\_\_\_

CRI ≥ 80 \_\_\_\_\_

L90 / 50000 h \_\_\_\_\_

initial MacAdam ≤ 3 SDCM \_\_\_\_\_

MR 0.47 \_\_\_\_\_

MDER 0.42 \_\_\_\_\_

Optical

opal (lambertsch) \_\_\_\_\_

PstLM ≤ 1.0 <sup>3</sup> \_\_\_\_\_

SVM ≤ 0.4 <sup>3</sup> \_\_\_\_\_

Electrical

non DIM \_\_\_\_\_

48 V \_\_\_\_\_

fixture 15.9 W \_\_\_\_\_

optical inset 11.1 W \_\_\_\_\_

PC3 \_\_\_\_\_

18 W/m \_\_\_\_\_

Physical

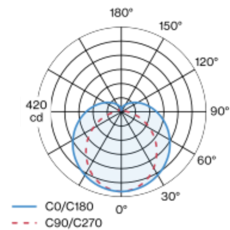
length 910 mm \_\_\_\_\_

width 33 mm \_\_\_\_\_

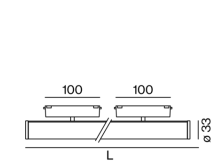
height 33 mm \_\_\_\_\_

0.4 kg \_\_\_\_\_

Light distribution



Product drawing



<sup>1</sup> RAL code

<sup>2</sup> OPTICAL INSET: incl. consideration of optical losses

<sup>3</sup> Value of containing product at full load (undimmed)

Installation instructions





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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<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.