



Project / Type _____

Notes _____

Count / Date _____



General	
Ceiling / Wall , Track	_____
rotation 360°	_____
black , RAL 9005 ¹	_____
IP20	_____
1780 lm	_____
1980 lm/m	_____
optical inset 160 lm/W ²	_____

LED	
2700 K	_____
CRI ≥ 80	_____
L90 / 50000 h	_____
initial MacAdam ≤ 3 SDCM	_____
MR 0.47	_____
MDER 0.42	_____

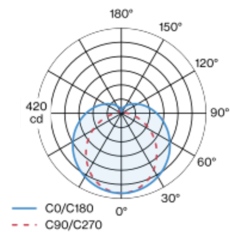
Optical	
opal (lambertsch)	_____
PstLM ≤ 1.0 ³	_____
SVM ≤ 0.4 ³	_____

Electrical	
DALI-2	_____
48 V	_____
fixture 15.9 W	_____
optical inset 11.1 W	_____
PC3	_____
1 DALI Addr.	_____
18 W/m	_____

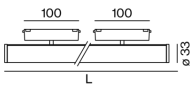
Physical	
length 910 mm	_____
width 33 mm	_____
height 33 mm	_____
0.4 kg	_____

¹ RAL code ² incl. consideration of optical losses
³ Value of containing product at full load (undimmed)

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	0.98	0.95	0.93	0.91	0.9
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.