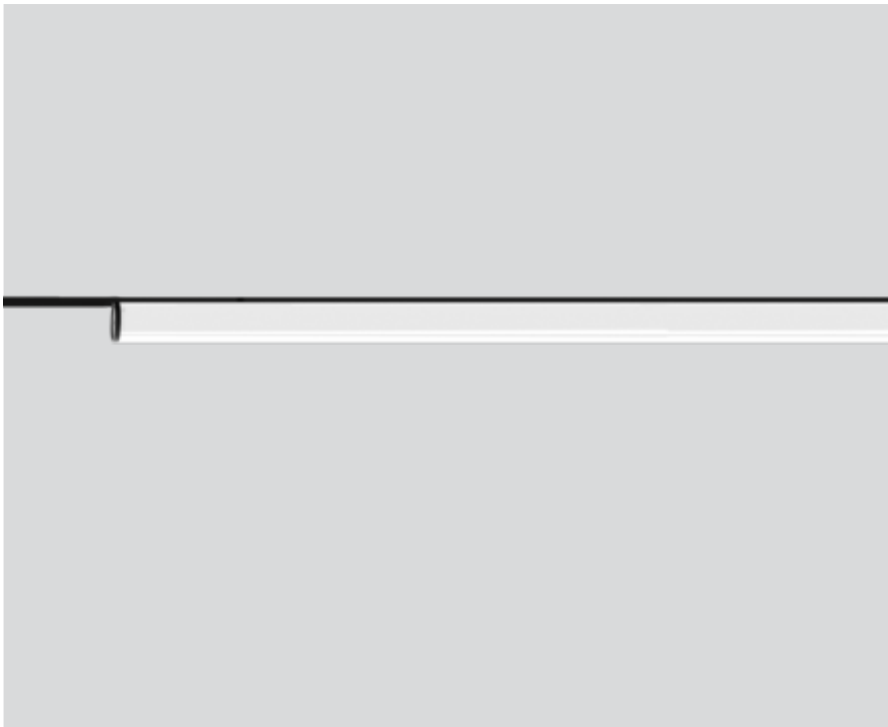




Project / Type \_\_\_\_\_

Notes \_\_\_\_\_

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



<b>General</b>	
Ceiling / Wall , Track	_____
rotation 360°	_____
black , RAL 9005 <sup>1</sup>	_____
IP20	_____
1890 lm	_____
2100 lm/m	_____
optical inset 170 lm/W <sup>2</sup>	_____

<b>LED</b>	
3000 K	_____
CRI ≥ 80	_____
L90 / 50000 h	_____
initial MacAdam ≤ 3 SDCM	_____
MR 0.54	_____
MDER 0.49	_____

<b>Optical</b>	
opal (lambertsch)	_____
PstLM ≤ 1.0 <sup>3</sup>	_____
SVM ≤ 0.4 <sup>3</sup>	_____

<b>Electrical</b>	
non DIM	_____
48 V	_____
fixture 15.9 W	_____
optical inset 11.1 W	_____
PC3	_____
18 W/m	_____

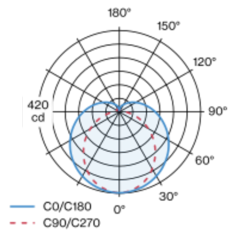
<b>Physical</b>	
length 910 mm	_____
width 33 mm	_____
height 33 mm	_____
0.4 kg	_____

<sup>1</sup> RAL code

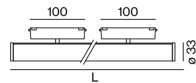
<sup>2</sup> OPTICAL INSET: incl. consideration of optical losses

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

Light distribution



Product drawing



Installation instructions





Project / Type

Notes

Count / Date

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.