



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

Notes \_\_\_\_\_

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



**General**

Showcase , Standing \_\_\_\_\_

rotation 360° \_\_\_\_\_

black , RAL9021 <sup>1</sup> \_\_\_\_\_

IP20 \_\_\_\_\_

Interior \_\_\_\_\_

360 lm \_\_\_\_\_

**LED**

4000 K \_\_\_\_\_

CRI ≥ 95 \_\_\_\_\_

L85 / 50000 h \_\_\_\_\_

initial MacAdam ≤ 3 SDCM \_\_\_\_\_

R<sub>g</sub>: 100 , R<sub>f</sub>: 94 , R<sub>(f-15)</sub>: 96 \_\_\_\_\_

MR 0.87 \_\_\_\_\_

MDER 0.78 \_\_\_\_\_

**Optical**

flood \_\_\_\_\_

beam angle 39° \_\_\_\_\_

**Electrical**

excl. driver \_\_\_\_\_

24 V \_\_\_\_\_

4.5 W \_\_\_\_\_

PC3 24V \_\_\_\_\_

80 lm/W \_\_\_\_\_

**Physical**

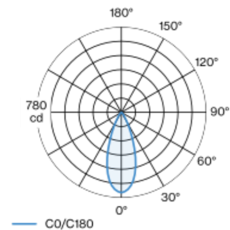
length 400 mm \_\_\_\_\_

width 11 mm \_\_\_\_\_

height 29 mm \_\_\_\_\_

<sup>1</sup> RAL code

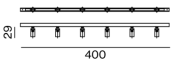
Light distribution



flood 39°

h (m)	E0° (lx)	ø (m)
1	733	0.71
2	183	1.42
3	81	2.13
4	46	2.84
5	29	3.55

Product drawing



Installation instructions





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Maintenance Factors

Operating Time [h]	10 000	20 000	30 000	40 000	50 000
LLMF	0.983	0.957	0.931	0.906	0.881
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.