



Project / Type _____

Notes _____

Count / Date _____



General

Showcase , Standing _____

rotation 360° _____

black , RAL9021 ¹ _____

IP20 _____

Interior _____

358 lm _____

LED

4000 K _____

CRI ≥ 95 _____

L85 / 50000 h _____

initial MacAdam ≤ 3 SDCM _____

R_g: 100 , R_f: 94 , R_(f-15): 96 _____

MR 0.87 _____

MDER 0.78 _____

Optical

medium _____

beam angle 30° _____

Electrical

excl. driver _____

24 V _____

4.5 W _____

PC3 24V _____

80 lm/W _____

Physical

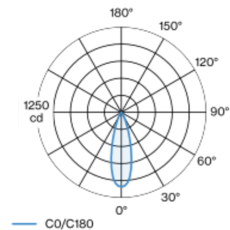
length 400 mm _____

width 11 mm _____

height 29 mm _____

¹ RAL code

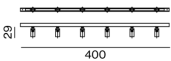
Light distribution



medium 30°

h (m)	E0° (lx)	ø (m)
1	1090	0.54
2	270	1.07
3	120	1.61
4	70	2.15
5	40	2.68

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^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.