



Project / Type _____

Notes _____

Count / Date _____



General

Ceiling , Track
 tilt max 310°
 rotation 360°
 black , RAL 9005 ¹
 IP20
 890², 911³, 961⁴, 981⁵, 1010⁶, 1010⁷ lm

LED

3000 K
 CRI ≥ 90
 L85 / 50000 h
 initial MacAdam ≤ 2 SDCM
 R_g: 98 , R_f: 91 , R₍₁₋₁₅₎: 89
 MR 0.6
 MDER 0.55

Optical

wide flood², medium³, flood⁴, flood⁵, spot⁶, super spot⁷
 beam angle 64°², 30°³, 38°⁴, 40°⁵, 19°⁶, 10°⁷
 PstLM ≤ 1.0^{3 4 6 7 5 2 8}
 SVM ≤ 0.4^{3 4 6 7 5 2 8}

Electrical

DIM POT1
 220-240 V
 system 14.7 W
 system 61², 62³, 65⁴, 67⁵, 69⁶, 69⁷ lm/W⁹
 PC1

Physical

diameter 70 mm
 height 98 mm
 0.92 kg
 tool-free fixation

Track light made of die-cast aluminium; surface black powder coated; 360° rotatable and 310° tiltable; converter installed in aluminium spotlight housing; passive cooling of the LEDs through improved heat sink geometry; with COB (Chip on Board) technology for maximum efficiency; no appearance of multiple shadows; light colour 3000 K; binning initial MacAdam ≤ 2 SDCM; CRI ≥ 90; min. 85% of luminous flux after 50000 operating hours; energy efficient LEDs with high CRI; incl. exchangeable additional lenses; precise radiation characteristics with different beam angles; optical filter available as accessory; degree of protection IP20; PC1; 220-240 V; adapter for toolless insertion or movement on a variety of 3-phase power tracks; adapter fixation without tools by means of knurled screw; incl. converter, dimmable with integrated potentiometer; point outlet, either in surface mounted housing or recessed housing, available as an accessory; accessories are listed separately; light source replaceable by an authorized professional; control gear replaceable by an authorized professional;

¹ RAL code ² 64 degrees ³ 30 degrees ⁴ 38 degrees
⁵ 40 degrees ⁶ 19 degrees ⁷ 10 degrees

⁸ Value of containing product at full load (undimmed)

⁹ FIXTURE: incl. consideration of optical losses & internal control unit losses SYSTEM: incl. consideration of optical losses, internal control unit losses & operating device efficiency.

Installation instructions

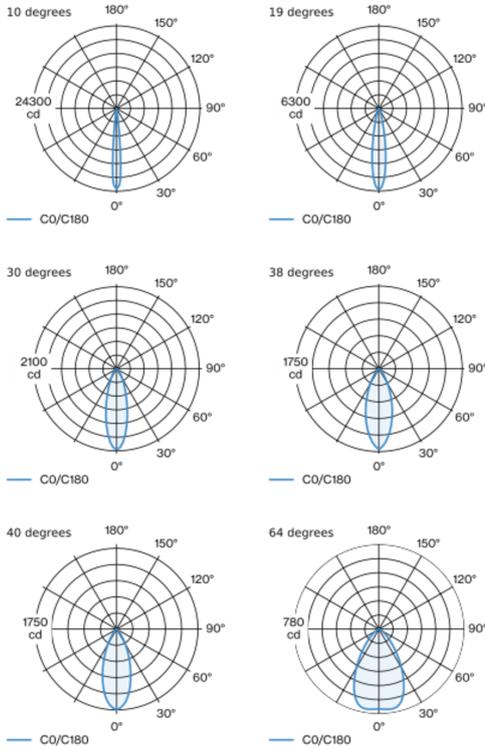


Lighting calculator

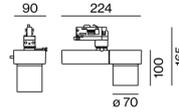




Light distribution



Product drawing



super spot 10°

h (m)	E0° (lx)	ø (m)
1	23700	0.18
2	5900	0.36
3	2600	0.53
4	1500	0.71
5	900	0.89

spot 19°

h (m)	E0° (lx)	ø (m)
1	6160	0.33
2	1540	0.65
3	680	0.98
4	390	1.31
5	250	1.63

medium 30°

h (m)	E0° (lx)	ø (m)
1	2070	0.54
2	520	1.08
3	230	1.63
4	130	2.17
5	80	2.71

flood 38°

h (m)	E0° (lx)	ø (m)
1	1710	0.69
2	430	1.37
3	190	2.06
4	110	2.75
5	70	3.43

flood 40°

h (m)	E0° (lx)	ø (m)
1	1750	0.72
2	440	1.44
3	190	2.16
4	110	2.88
5	70	3.60

wide flood 64°

h (m)	E0° (lx)	ø (m)
1	735	1.24
2	184	2.48
3	82	3.72
4	46	4.96
5	29	6.19