



Project / Type

Notes

Count / Date



General

Ceiling , Track

tilt max 310°

rotation 360°

black , RAL 9005 <sup>1</sup>

IP20

890<sup>2</sup>, 911<sup>3</sup>, 961<sup>4</sup>, 981<sup>5</sup>, 1010<sup>6</sup>, 1010<sup>7</sup> lm

LED

3000 K

CRI ≥ 90

L85 / 50000 h

initial MacAdam ≤ 2 SDCM

R<sub>g</sub>: 98 , R<sub>f</sub>: 91 , R<sub>(1-15)</sub>: 89

MR 0.6

MDER 0.55

Optical

wide flood<sup>2</sup>, medium<sup>3</sup>, flood<sup>4</sup>, flood<sup>5</sup>, spot<sup>6</sup>, super spot<sup>7</sup>

beam angle 64°<sup>2</sup>, 30°<sup>3</sup>, 38°<sup>4</sup>, 40°<sup>5</sup>, 19°<sup>6</sup>, 10°<sup>7</sup>

PstLM ≤ 1.0<sup>3</sup> 4 6 7 5 2 8

SVM ≤ 0.4<sup>3</sup> 4 6 7 5 2 8

Electrical

DIM POTI

220-240 V

system 14.7 W

system 61<sup>2</sup>, 62<sup>3</sup>, 65<sup>4</sup>, 67<sup>5</sup>, 69<sup>6</sup>, 69<sup>7</sup> lm/W<sup>9</sup>

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;

<sup>1</sup> RAL code <sup>2</sup> 64 degrees <sup>3</sup> 30 degrees <sup>4</sup> 38 degrees  
<sup>5</sup> 40 degrees <sup>6</sup> 19 degrees <sup>7</sup> 10 degrees  
<sup>8</sup> Value of containing product at full load (undimmed)  
<sup>9</sup> 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



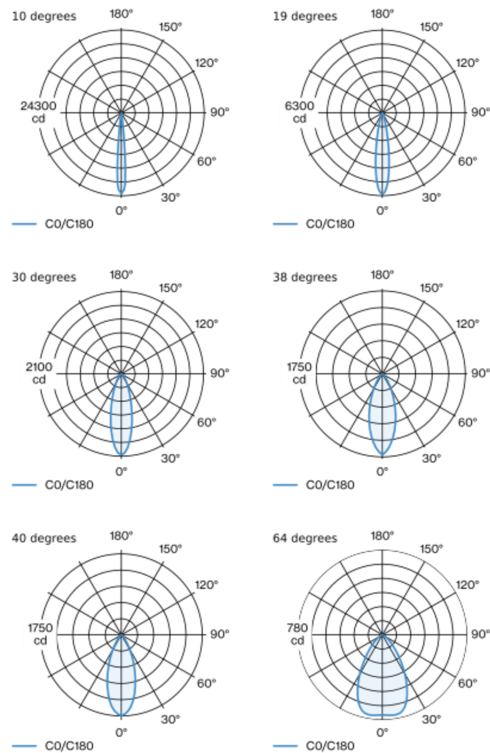


Project / Type \_\_\_\_\_

Notes \_\_\_\_\_

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

Light distribution



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

Product drawing

