

BO 55 semi-recessed

049-6140717M 002-90726



Project / Type

Notes

Count / Date



Cylindrical spotlight in aluminium; surface white powder coated; 350° rotatable and 90° tiltable; recessed version with trim; suitable for ceiling thickness of 2-25 mm; 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 3500 K; binning initial MacAdam ≤ 2 SDCM; CRI ≥ 90 ; min. 80% of luminous flux after 50000 operating hours; energy efficient LEDs with high CRI; high quality, aluminium, vapour deposition coated reflector with faceted lens design; precise radiation characteristic with 31° beam; good glare control through recessed light point level; optical attachment available as accessory; accessories are listed separately; degree of protection IP20; PC2; 220-240 V; incl. converter, non dimmable; external converter for ceiling insertion, through-wiring suitable; light source replaceable by an authorized professional; control gear replaceable by an authorized professional;

Light distribution



medium 31°

h (m)	EO° (lx)	ø (m)
1	6860	0.55
2	1710	1.10
3	760	1.65
4	430	2.20
5	270	2.75

Product drawing



General

Ceiling | Semi-Recessed

tilt max 90°

rotation 350°

white | RAL 9016 ¹

IP20

1900 lm

LED

3500 K

CRI ≥ 90

L80 / 50000 h

initial MacAdam ≤ 2 SDCM

R_g: 97 | R_f: 90 | R_{t(1-15)}: 89

MR 0.7 | MDER 0.63

Optical

medium | beam angle 31°

PstLM ≤ 1.0 ^{2 3 4 5} | SVM ≤ 0.4 ^{2 3 4 5}

Electrical

non DIM

PC2 | 220-240 V

system 24.7 W | fixture 21.0 W

fixture 90 lm/W ⁶

36 Vf | 600 mA

Physical

diameter 55 mm | height 159 mm

0.45 kg

Cutout

diameter 46 mm

min. ceiling thickness 2 mm | max. ceiling thickness 25 mm

recessed depth 190 mm

¹ RAL code ² oval lens BO 55 007-1965890
³ wallwasher lens BO 55 007-1965790
⁴ soft lens BO 55 007-1965990
⁵ Value of containing product at full load (undimmed)
⁶ incl. consideration of optical losses & internal control unit losses

Installation instructions



Lighting calculator

