

BO 45 semi-recessed

049-6130418S 002-90720



Project / Type

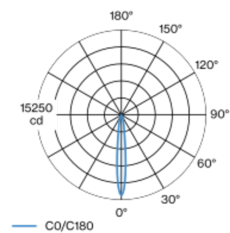
Notes

Count / Date



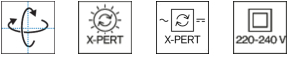
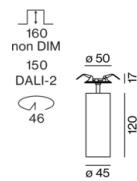
Cylindrical spotlight in aluminium; surface jet black powder coated; 350° rotatable and 90° tiltable; recessed version with trim; suitable for ceiling thickness of 2-25 mm; passive cooling of the LEDs through improved heat sink geometry; with COB (Chip on Board) technology for maximum efficiency; no appearance of multiple shadows; light colour 2700 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 12° 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. DALI-2 converter; flicker-free visual comfort through analogue current control (minimum value 1%); external converter for ceiling insertion, through-wiring suitable; light source replaceable by an authorized professional; control gear replaceable by an authorized professional;

Light distribution



spot 12°			
h (m)	EO° (lx)	ø (m)	
1	14400	0.21	
2	3600	0.42	
3	1600	0.63	
4	900	0.84	
5	600	1.06	

Product drawing



General

Ceiling | Semi-Recessed

tilt max 90°

rotation 350°

jet black | RAL 9005

IP20

1140 lm

LED

2700 K

CRI ≥ 90

L80 / 50000 h

initial MacAdam ≤ 2 SDCM

R_g: 97 | R_f: 91 | R₍₁₋₁₅₎: 87

MR 0.52 | MDER 0.47

Optical

spot | beam angle 12°

PstLM ≤ 1.0^{1 2 3 4} | SVM ≤ 0.4^{1 2 3 4}

Electrical

DALI-2 | 1 DALI Addr.

PC2 | 220-240 V

system 15.0 W | fixture 12.7 W

fixture 89 lm/W⁵

37 Vf | 350 mA

Physical

diameter 45 mm | height 149 mm

0.42 kg

Cutout

diameter 46 mm

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

recessed depth 150 mm

¹ soft lens BO 45 007-1965980
² wallwasher lens BO 45 007-1965780
³ oval lens BO 45 007-1965880
⁴ Value of containing product at full load (undimmed)
⁵ incl. consideration of optical losses & internal control unit losses

Installation instructions



Lighting calculator

