

BO 45 semi-recessed

049-6130718F 002-90724



Project / Type

Notes

Count / Date



General

Ceiling , Semi-Recessed

tilt max 90°

rotation 350°

black , RAL9005 ¹

IP20

1320 lm

LED

3500 K

CRI ≥ 90

L80 / 50000 h

initial MacAdam ≤ 2 SDCM

R_g: 97 , R_f: 90 , R₍₁₋₁₅₎: 89

MR 0.7

MDER 0.63

Optical

flood

beam angle 36°

PstLM ≤ 1.0 ²

SVM ≤ 0.4 ²

Electrical

non DIM

system 15.9 W

inset 13.5 W

36 Vf

400 mA

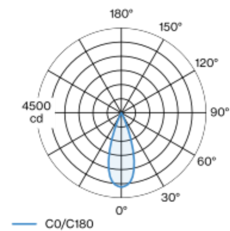
PC2 220-240V

system 83 lm/W³

inset 97 lm/W⁴

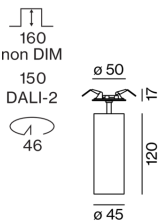
Cylindrical spotlight in aluminium; surface black powder coated; 350° rotatable and 90° tiltable; recessed version with trim; suitable for ceiling thickness of 2-25 mm; passive cooling of the LEDs through improved heat sink geometry; with COB (Chip on Board) technology for maximum efficiency; no appearance of multiple shadows; light colour 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 36° beam; good glare control through recessed light point level; optical attachment available as accessory; accessories are listed separately; degree of protection IP20; PC2 220-240V; 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



flood 36°			
h (m)	EO° (lx)	ø (m)	
1	3930	0.65	
2	980	1.29	
3	440	1.94	
4	250	2.59	
5	160	3.23	

Product drawing



Physical

diameter 45 mm

height 149 mm

0.39 kg

Cutout

diameter 46 mm

min. ceiling thickness 2 mm

max. ceiling thickness 25 mm

recessed depth 160 mm

¹ RAL code ² Value of containing product at full load (undimmed)
³ incl. optical losses and the efficiency of the operating device (converter)
⁴ incl. optical losses

Installation instructions



Lighting calculator

