

# BO 45 semi-recessed

049-6130517V 002-90726



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

Notes \_\_\_\_\_

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



**General**

Ceiling , Semi-Recessed \_\_\_\_\_

tilt max 90° \_\_\_\_\_

rotation 350° \_\_\_\_\_

white , RAL 9016 <sup>1</sup> \_\_\_\_\_

IP20 \_\_\_\_\_

346 lm \_\_\_\_\_

fixture 50 lm/W<sup>2</sup> \_\_\_\_\_

**LED**

3000 K \_\_\_\_\_

CRI ≥ 90 \_\_\_\_\_

L85 / 50000 h \_\_\_\_\_

initial MacAdam ≤ 3 SDCM \_\_\_\_\_

R<sub>g</sub>: 98 , R<sub>r</sub>: 91 , R<sub>t(1-15)</sub>: 89 \_\_\_\_\_

MR 0.6 \_\_\_\_\_

MDER 0.55 \_\_\_\_\_

**Optical**

super spot \_\_\_\_\_

beam angle 8° \_\_\_\_\_

PstLM ≤ 1.0 <sup>3</sup> \_\_\_\_\_

SVM ≤ 0.4 <sup>3</sup> \_\_\_\_\_

**Electrical**

non DIM \_\_\_\_\_

220-240 V \_\_\_\_\_

system 9.3 W \_\_\_\_\_

fixture 6.9 W \_\_\_\_\_

11 Vf \_\_\_\_\_

600 mA \_\_\_\_\_

PC2 \_\_\_\_\_

**Physical**

diameter 45 mm \_\_\_\_\_

height 149 mm \_\_\_\_\_

0.49 kg \_\_\_\_\_

**Cutout**

diameter 46 mm \_\_\_\_\_

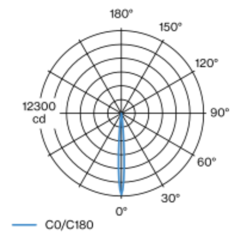
min. ceiling thickness 2 mm \_\_\_\_\_

max. ceiling thickness 25 mm \_\_\_\_\_

recessed depth 160 mm \_\_\_\_\_

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 high power LED for maximum efficiency; no appearance of multiple shadows; light colour 3000 K; binning initial MacAdam ≤ 3 SDCM; CRI ≥ 90; min. 85% of luminous flux after 50000 operating hours; energy efficient LEDs with high CRI; incl. high quality lens system; precise radiation characteristic with 8° 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;

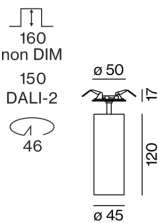
## Light distribution



super spot 8°

h (m)	E0° (lx)	ø (m)
1	12100	0.14
2	3000	0.28
3	1300	0.41
4	800	0.55
5	500	0.69

## Product drawing



<sup>1</sup> RAL code

<sup>2</sup> FIXTURE: incl. consideration of optical losses & internal control unit losses SYSTEM: incl. consideration of optical losses, internal control unit losses & operating device efficiency.

<sup>3</sup> Value of containing product at full load (undimmed)

## Installation instructions



## Lighting calculator

