

# BO 55 semi-recessed

049-6140717S 002-90729



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

Notes \_\_\_\_\_

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



**General**

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

tilt max 90° \_\_\_\_\_

rotation 350° \_\_\_\_\_

white , RAL9016 <sup>1</sup> \_\_\_\_\_

IP20 \_\_\_\_\_

1870 lm \_\_\_\_\_

**LED**

3500 K \_\_\_\_\_

CRI ≥ 90 \_\_\_\_\_

L80 / 50000 h \_\_\_\_\_

initial MacAdam ≤ 2 SDCM \_\_\_\_\_

R<sub>g</sub>: 97 , R<sub>f</sub>: 90 , R<sub>(1-5)</sub>: 89 \_\_\_\_\_

MR 0.7 \_\_\_\_\_

MDER 0.63 \_\_\_\_\_

**Optical**

spot \_\_\_\_\_

beam angle 17° \_\_\_\_\_

PstLM ≤ 1.0 <sup>2</sup> \_\_\_\_\_

SVM ≤ 0.4 <sup>2</sup> \_\_\_\_\_

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 17° 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. 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;

**Electrical**

DALI-2 \_\_\_\_\_

system 24.7 W \_\_\_\_\_

inset 21.0 W \_\_\_\_\_

36 Vf \_\_\_\_\_

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

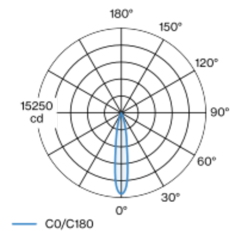
PC2 220-240V \_\_\_\_\_

system 76 lm/W<sup>3</sup> \_\_\_\_\_

inset 89 lm/W<sup>4</sup> \_\_\_\_\_

1 DALI Addr. \_\_\_\_\_

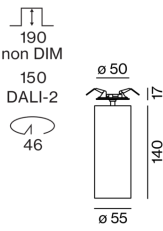
## Light distribution



spot 17°

h (m)	EO° (lx)	ø (m)
1	14600	0.30
2	3600	0.59
3	1600	0.89
4	900	1.19
5	600	1.48

## Product drawing



**Physical**

diameter 55 mm \_\_\_\_\_

height 159 mm \_\_\_\_\_

0.48 kg \_\_\_\_\_

**Cutout**

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

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

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

recessed depth 150 mm \_\_\_\_\_

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

## Installation instructions

## Lighting calculator

