

# BO 45 semi-recessed

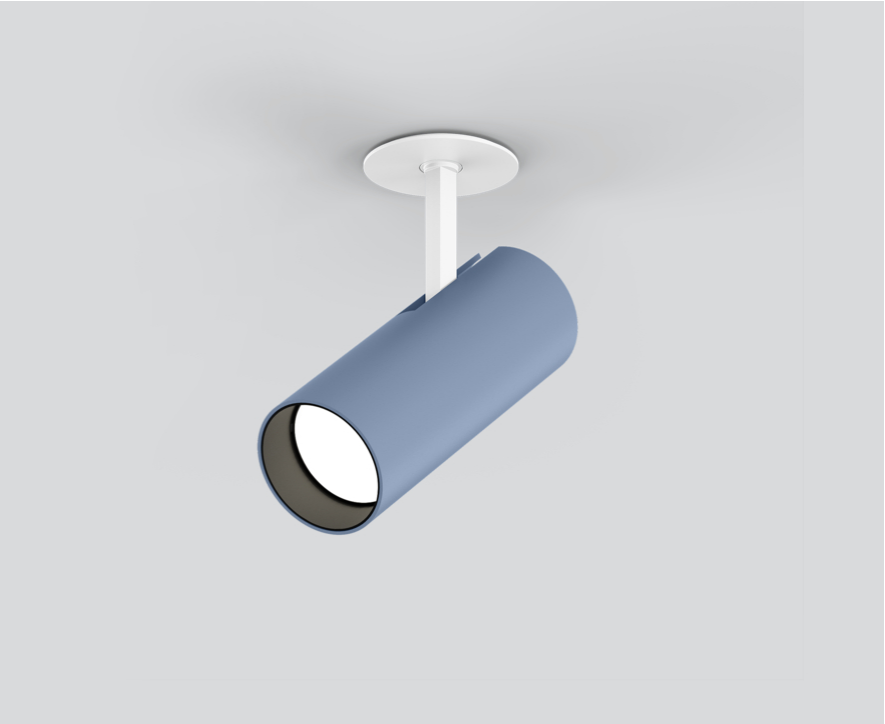
049-613071XF 002-90724



Project / Type

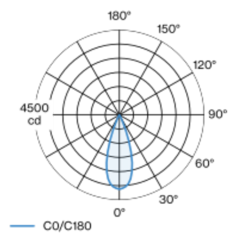
Notes

Count / Date



Cylindrical spotlight in aluminium; surface special colours 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  $\leq 2$  SDCM; CRI  $\geq 90$ ; 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; 220-240 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;

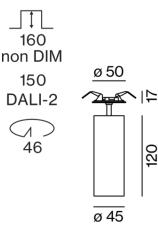
## Light distribution



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



## General

Ceiling | Semi-Recessed

tilt max 90°

rotation 350°

special colours

IP20

1320 lm

## LED

3500 K

CRI  $\geq 90$

L80 / 50000 h

initial MacAdam  $\leq 2$  SDCM

R<sub>g</sub>: 97 | R<sub>f</sub>: 90 | R<sub>t(1-15)</sub>: 89

MR 0.7 | MDER 0.63

## Optical

flood | beam angle 36°

PstLM  $\leq 1.0^{1\ 2\ 3\ 4}$  | SVM  $\leq 0.4^{1\ 2\ 3\ 4}$

## Electrical

non DIM

PC2 | 220-240 V

system 15.9 W | fixture 13.5 W

fixture 97 lm/W<sup>5</sup>

36 Vf | 400 mA

## 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

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

## Installation instructions



## Lighting calculator

