

# BO 45 surface

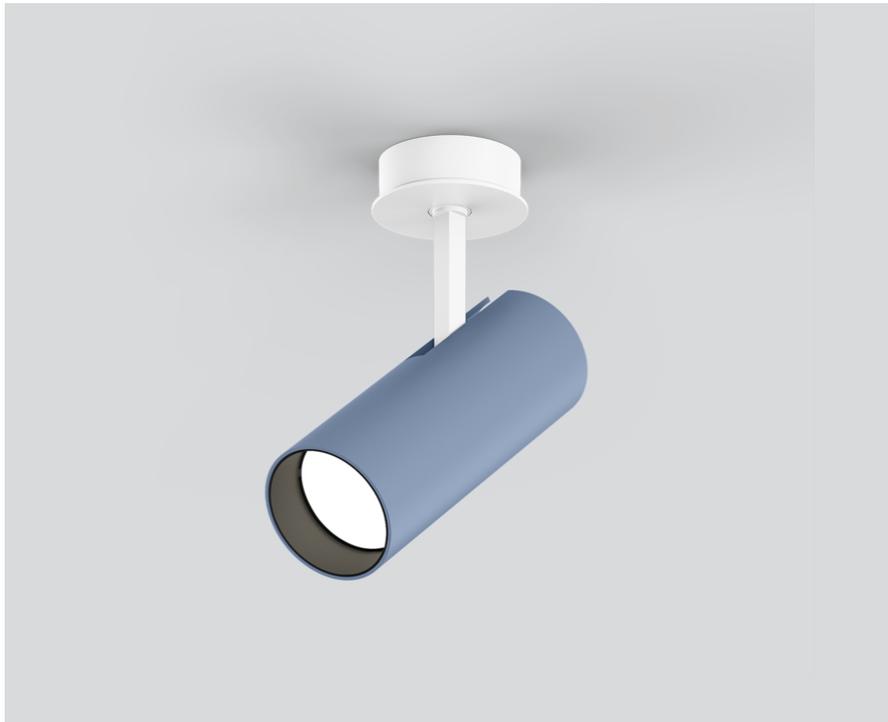
049-623041XM 002-90728



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

Notes \_\_\_\_\_

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



## General

Ceiling , Surface \_\_\_\_\_  
 tilt max 90° \_\_\_\_\_  
 rotation 350° \_\_\_\_\_  
 special colours \_\_\_\_\_  
 IP20 \_\_\_\_\_  
 1220 lm \_\_\_\_\_  
 fixture 90 lm/W<sup>1</sup> \_\_\_\_\_

## LED

2700 K \_\_\_\_\_  
 CRI ≥ 90 \_\_\_\_\_  
 L80 / 50000 h \_\_\_\_\_  
 initial MacAdam ≤ 2 SDCM \_\_\_\_\_  
 R<sub>g</sub>: 99 , R<sub>r</sub>: 91 , R<sub>(1-15)</sub>: 89 \_\_\_\_\_  
 MR 0.53 \_\_\_\_\_  
 MDER 0.48 \_\_\_\_\_

## Optical

medium \_\_\_\_\_  
 beam angle 24° \_\_\_\_\_  
 P<sub>stLM</sub> ≤ 1.0<sup>2</sup> \_\_\_\_\_  
 SVM ≤ 0.4<sup>2</sup> \_\_\_\_\_

## Electrical

DALI-2 \_\_\_\_\_  
 220-240 V \_\_\_\_\_  
 system 15.9 W \_\_\_\_\_  
 fixture 13.5 W \_\_\_\_\_  
 36 Vf \_\_\_\_\_  
 400 mA \_\_\_\_\_  
 PC2 \_\_\_\_\_  
 1 DALI Addr. \_\_\_\_\_

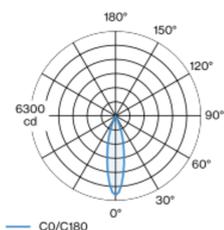
## Physical

diameter 45 mm \_\_\_\_\_  
 height 155 mm \_\_\_\_\_  
 0.41 kg \_\_\_\_\_

<sup>1</sup> incl. consideration of optical losses & internal control unit losses  
<sup>2</sup> Value of containing product at full load (undimmed)

Cylindrical spotlight in aluminium; surface special colours powder coated; 350° rotatable and 90° tiltable; with surface mounted housing; 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 24° 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



medium 24°

h (m)	EO° (lx)	ø (m)
1	5880	0.43
2	1470	0.86
3	650	1.30
4	370	1.73
5	240	2.16

## Product drawing



## Installation instructions



## Lighting calculator

