

# BO 45 surface

049-623071XV 002-90729



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

Notes \_\_\_\_\_

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



## General

Ceiling , Track \_\_\_\_\_  
tilt max 90° \_\_\_\_\_  
rotation 350° \_\_\_\_\_  
special colours \_\_\_\_\_  
IP20 \_\_\_\_\_  
437 lm \_\_\_\_\_  
fixture 63 lm/W<sup>1</sup> \_\_\_\_\_

## LED

3500 K \_\_\_\_\_  
CRI ≥ 90 \_\_\_\_\_  
L85 / 50000 h \_\_\_\_\_  
initial MacAdam ≤ 3 SDCM \_\_\_\_\_  
R<sub>g</sub>: 97 , R<sub>r</sub>: 90 , R<sub>(1-15)</sub>: 87 \_\_\_\_\_  
MR 0.68 \_\_\_\_\_  
MDER 0.62 \_\_\_\_\_

## Optical

super spot \_\_\_\_\_  
beam angle 8° \_\_\_\_\_  
P<sub>stLM</sub> ≤ 1.0<sup>2</sup> \_\_\_\_\_  
SVM ≤ 0.4<sup>2</sup> \_\_\_\_\_

## Electrical

DALI-2 \_\_\_\_\_  
220-240 V \_\_\_\_\_  
system 9.2 W \_\_\_\_\_  
fixture 6.9 W \_\_\_\_\_  
11 Vf \_\_\_\_\_  
600 mA \_\_\_\_\_  
PC2 \_\_\_\_\_  
1 DALI Addr. \_\_\_\_\_

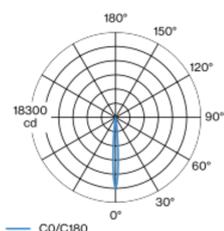
## Physical

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

<sup>1</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>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 high power LED for maximum efficiency; no appearance of multiple shadows; light colour 3500 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. 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;

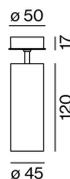
## Light distribution



super spot 8°

h (m)	E0° (lx)	ø (m)
1	15300	0.14
2	3800	0.28
3	1700	0.41
4	1000	0.55
5	600	0.69

## Product drawing



## Installation instructions



## Lighting calculator

