

# BO 55

intrack

180-7311618M



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

Notes \_\_\_\_\_

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



## General

Ceiling , Track \_\_\_\_\_  
tilt max 90° \_\_\_\_\_  
rotation 360° \_\_\_\_\_  
black , RAL9005 <sup>1</sup> \_\_\_\_\_  
IP20 \_\_\_\_\_  
2010 lm \_\_\_\_\_

## LED

4000 K \_\_\_\_\_  
CRI ≥ 90 \_\_\_\_\_  
L80 / 50000 h \_\_\_\_\_  
initial MacAdam ≤ 2 SDCM \_\_\_\_\_  
R<sub>g</sub>: 97 , R<sub>r</sub>: 90 , R<sub>r(1-15)</sub>: 89 \_\_\_\_\_  
MR 0.81 \_\_\_\_\_  
MDER 0.74 \_\_\_\_\_

## Optical

medium \_\_\_\_\_  
beam angle 31° \_\_\_\_\_  
PstLM ≤ 1.0 <sup>2</sup> \_\_\_\_\_  
SVM ≤ 0.4 <sup>2</sup> \_\_\_\_\_

## Electrical

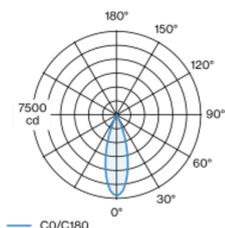
non DIM \_\_\_\_\_  
24.7 W \_\_\_\_\_  
PC2 220-240V \_\_\_\_\_  
81 lm/W \_\_\_\_\_

## Physical

diameter 55 mm \_\_\_\_\_  
height 140 mm \_\_\_\_\_  
0.5 kg \_\_\_\_\_

Cylindrical tracked spotlight in die-cast aluminium with 3PH universal adapter; classic style in elegant design for discerning requirements; surface black powder coated; 360° rotatable and 90° tiltable; converter integrated in the power track adapter; 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 4000 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 31° 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; adapter for toolless insertion or movement on a variety of 3-phase power tracks; adapter flush with the power track; incl. converter, non dimmable; light source replaceable by an authorized professional; control gear replaceable by an authorized professional;

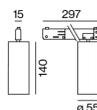
## Light distribution



medium 31°

h (m)	E0° (lx)	ø (m)
1	7250	0.55
2	1810	1.10
3	810	1.65
4	450	2.20
5	290	2.75

## Product drawing



<sup>1</sup> RAL code <sup>2</sup> Value of containing product at full load (undimmed)

## Installation instructions



## Lighting calculator



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## Maintenance Factors

Operating Time [h]	10 000	20 000	30 000	40 000	50 000
LLMF	0.96	0.92	0.88	0.85	0.81
LSF	1	1	1	1	1

MF LMF × RSMF × LLMF × LSF  
MF Maintenance Factor  
LMF<sup>a</sup> Luminaire Maintenance Factor

RSMF<sup>a</sup> Room Surface Maintenance Factor  
LLMF Lamp Lumens Maintenance Factor  
LSF Lamp Survival Faktor

<sup>a</sup> According to "CIE 97, Maintenance of indoor electric lighting systems", 2005, ISBN 3-900-734-34-8. The values must be determined by the planner.

## Circuit Breaker Types

Automatic Circuit Breaker Type	Number of Fixtures
B13	81
B16	100
B20	125
C13	135
C16	170
C20	208

## Optical accessories

### HONEYCOMB LOUVER

COLOUR	Ø (MM)	ARTICLE NUMBER(S)
jet black	50	007-1965598



## Optical accessories

### OVAL LENS

Ø (MM)	ARTICLE NUMBER(S)
50	007-1965890



### SOFT LENS

Ø (MM)	ARTICLE NUMBER(S)
50	007-1965990



### WALLWASHER LENS

Ø (MM)	ARTICLE NUMBER(S)
50	007-1965790

