

# BO 55

track  
180-7312518F



Project / Type

Notes

Count / Date



General

Ceiling , Track

tilt max 90°

rotation 355°

black , RAL9005 <sup>1</sup>

IP20

2080 lm

LED

3000 K

CRI ≥ 90

L80 / 50000 h

initial MacAdam ≤ 2 SDCM

R<sub>g</sub>: 100 , R<sub>f</sub>: 91 , R<sub>f(1-5)</sub>: 88

MR 0.59

MDER 0.53

Optical

flood

beam angle 38°

Electrical

non DIM

24.7 W

PC2 220-240V

84 lm/W

Physical

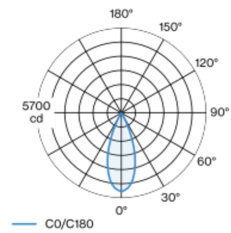
diameter 55 mm

height 140 mm

0.5 kg

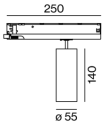
Cylindrical tracked spotlight in die-cast aluminium with 3PH universal adapter; classic style in elegant design for discerning requirements; surface black powder coated; 355° rotatable and 90° tiltable; converter integrated in the power track adapter; passive cooling of the LEDs through improved heat sink geometry; with COB (Chip on Board) technology for maximum efficiency; no appearance of multiple shadows; light colour 3000 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 38° 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; incl. converter, non dimmable; light source replaceable by an authorized professional; control gear replaceable by an authorized professional;

## Light distribution



| flood 38° |          |       |  |
|-----------|----------|-------|--|
| h (m)     | EO° (lx) | ø (m) |  |
| 1         | 5270     | 0.70  |  |
| 2         | 1320     | 1.40  |  |
| 3         | 590      | 2.09  |  |
| 4         | 330      | 2.79  |  |
| 5         | 210      | 3.49  |  |

## Product drawing



<sup>1</sup> RAL code

## Installation instructions



## Lighting calculator



# BO 55

track  
180-7312518F



Project / Type

Notes

Count / Date

## 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      |        | RSMF <sup>a</sup> | Room Surface Maintenance Factor |        |
| MF                 | Maintenance Factor           |        | LLMF              | Lamp Lumens Maintenance Factor  |        |
| LMF <sup>a</sup>   | Luminaire 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 |
|--------------------------------|--------------------|
| B10                            | 33                 |
| B16                            | 53                 |
| B20                            | 67                 |
| B25                            | 83                 |
| C10                            | 40                 |
| C16                            | 64                 |
| C20                            | 80                 |
| C25                            | 100                |

## 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       |

