

# BO 55

track  
180-7312618M



Project / Type

Notes

Count / Date



Cylindrical tracked spotlight in die-cast aluminium with 3PH universal adapter; classic style in elegant design for discerning requirements; surface jet 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 4000 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 30° 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; 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;



General

Ceiling | Track

tilt max 90°

rotation 355°

jet black | RAL 9005

IP20

2240 lm

LED

4000 K

CRI  $\geq 90$

L80 / 50000 h

initial MacAdam  $\leq 2$  SDCM

R<sub>g</sub>: 98 | R<sub>f</sub>: 90 | R<sub>t(1-15)</sub>: 88

MR 0.8 | MDER 0.72

Optical

medium | beam angle 30°

Electrical

non DIM

PC2 | 220-240 V

system 22.3 W

system 100 lm/W <sup>1</sup>

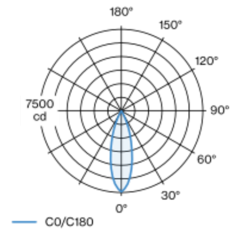
Physical

diameter 55 mm | height 140 mm

0.5 kg

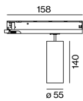
<sup>1</sup> incl. consideration of optical losses, internal control unit losses & operating device efficiency

## Light distribution



medium 30°		
h (m)	EO° (lx)	ø (m)
1	7440	0.54
2	1860	1.08
3	830	1.62
4	470	2.16
5	300	2.70

## Product drawing



Installation instructions

Lighting calculator



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## Maintenance Factors

Operating Time [h]	10 000	20 000	30 000	40 000	50 000
LLMF	0.964	0.923	0.884	0.847	0.811
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 Factor	

<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.

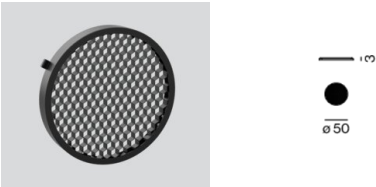
## Circuit Breaker Types

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

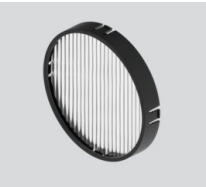
TYPE for BO 55   SASSO 100	COLOUR jet black	Ø (MM) 50	ARTICLE NUMBER(S) 007-1965598
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## Optical accessories

### OVAL LENS

TYPE for BO 55	Ø (MM) 50	ARTICLE NUMBER(S) 007-1965890
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### SOFT LENS

TYPE for BO 55	Ø (MM) 50	ARTICLE NUMBER(S) 007-1965990
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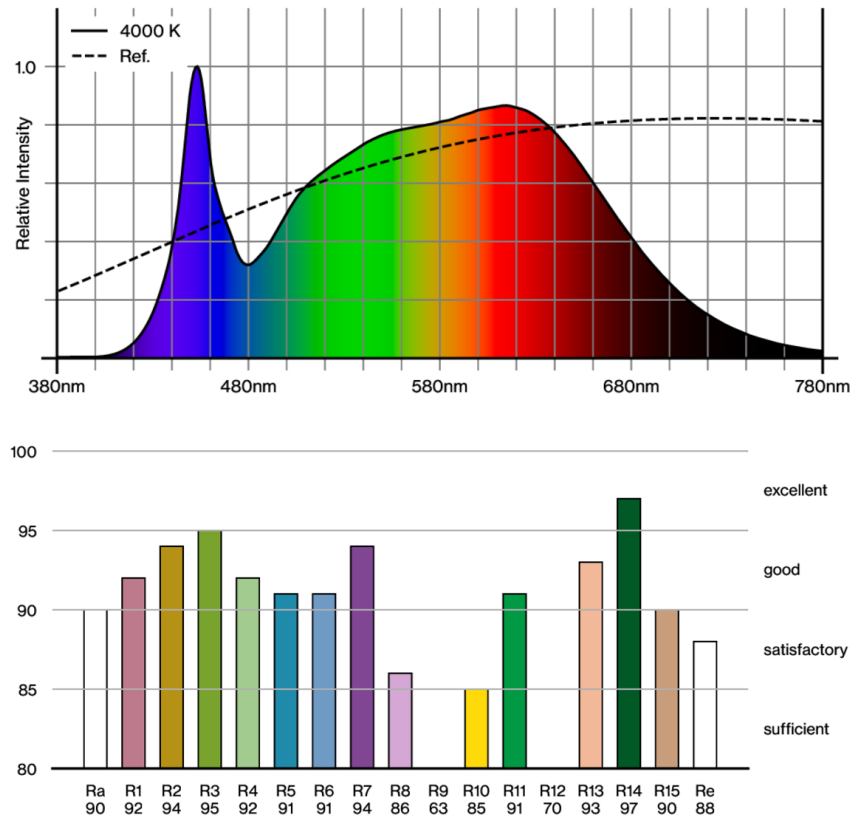
### WALLWASHER LENS

TYPE for BO 55	Ø (MM) 50	ARTICLE NUMBER(S) 007-1965790
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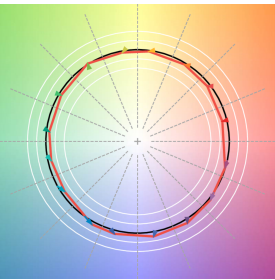




Colour rendering



TM30 colour vector graphic



The black line represents the black body reference. The red line indicates the results of the test light source. The deviation from the test light source to the reference is shown and is marked by arrows. The shorter the arrows, the higher the color rendering.