

BO 55 intrack 1 lamp

180-733053XM



Project / Type

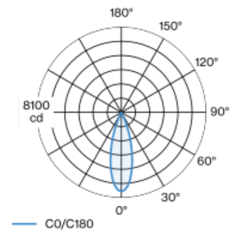
Notes

Count / Date



Tracked spotlight in die-cast aluminium with 3-phase adapter; classic style in elegant design for discerning requirements; 1 lamp; cylindrical spotlight head; surface special colours powder coated; spotlight head 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 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 31° beam; good glare control through recessed light point level; optical attachment available as accessory; accessories are listed separately; degree of protection IP20; PC2; 220-240 V; adapter for toolless insertion or movement on a variety of 3-phase power tracks; adapter flush with the power track; incl. DALI-2 converter; flicker-free visual comfort through analogue current control (minimum value 1%); light source replaceable by an authorized professional; control gear replaceable by an authorized professional;

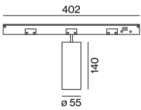
Light distribution



medium 31°

h (m)	EO ¹ (lx)	ø (m)
1	7510	0.55
2	1880	1.10
3	830	1.65
4	470	2.20
5	300	2.75

Product drawing



General

Ceiling | Track

tilt max 90°

rotation 360°

special colours

IP20

2080 lm

LED

3000 K

CRI ≥ 90

L80 / 50000 h

initial MacAdam ≤ 2 SDCM

R_g: 99 | R_f: 90 | R_{t(1-15)}: 87

MR 0.6 | MDER 0.54

Optical

medium | beam angle 31°

PstLM ≤ 1.0 ^{1 2 3 4} | SVM ≤ 0.4 ^{1 2 3 4}

Electrical

DALI-2 | 1 DALI Addr.

PC2 | 220-240 V

system 24.5 W

system 85 lm/W⁵

Physical

diameter 55 mm | height 140 mm

0.5 kg

¹ soft lens BO 55 007-1965990 ² oval lens BO 55 007-1965890
³ wallwasher lens BO 55 007-1965790
⁴ Value of containing product at full load (undimmed)
⁵ incl. consideration of optical losses, internal control unit losses & operating device efficiency

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 ^a	Room Surface Maintenance Factor
MF	Maintenance Factor	LLMF	Lamp Lumens Maintenance Factor
LMF ^a	Luminaire Maintenance Factor	LSF	Lamp Survival Factor

^a 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.

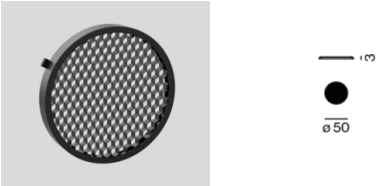
Circuit Breaker Types

Automatic Circuit Breaker Type	Number of Fixtures
B10	17
B13	22
B16	28
C10	22
C13	27
C16	35

Optical accessories

HONEYCOMB LOUVER

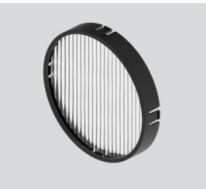
TYPE	COLOUR	Ø (MM)	ARTICLE NUMBER(S)
for BO 55 SASSO 100	jet black	50	007-1965598



Optical accessories

OVAL LENS

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



SOFT LENS

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



WALLWASHER LENS

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



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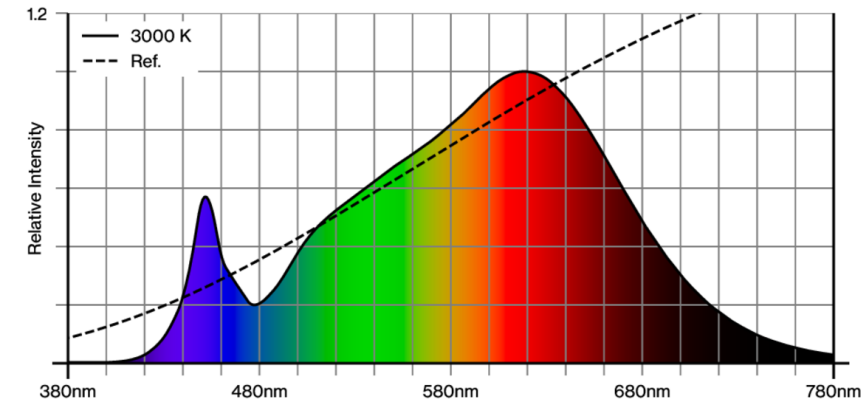


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Colour rendering



CRI/R_a ≥ 91 R_e ≥ 87 (3000 K)



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.