

# BO 32

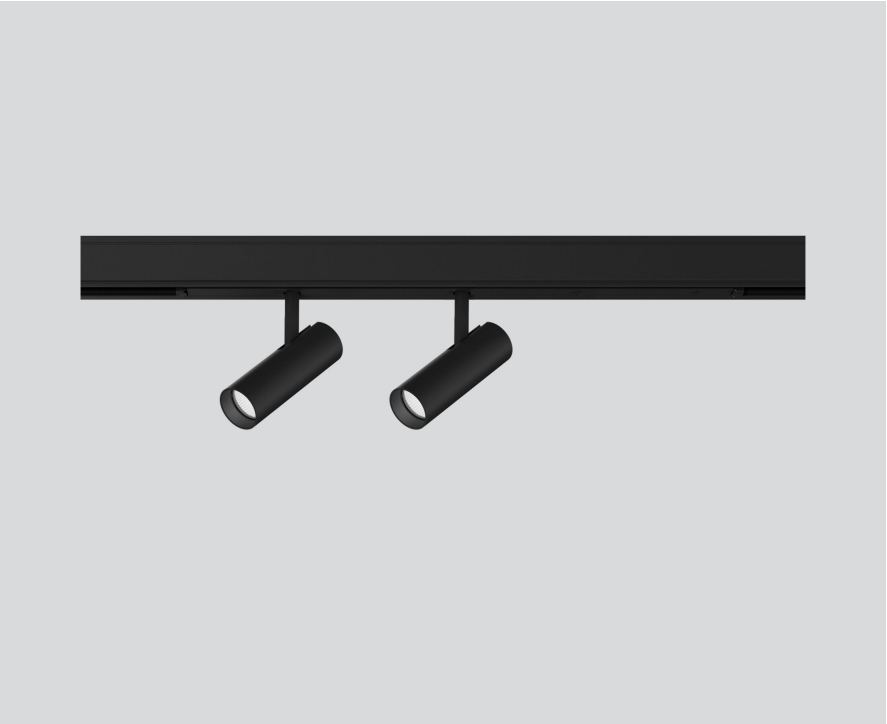
intrack 2 lamps  
180-7140538S



Project / Type

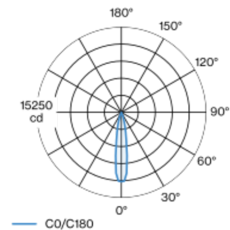
Notes

Count / Date



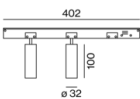
Tracked spotlight in die-cast aluminium with 3-phase adapter; classic style in elegant design for discerning requirements; 2 lamps; cylindrical spotlight heads; surface jet black powder coated; spotlight head 360° rotatable and 90° tiltable; converter integrated in the power track adapter; passive cooling 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  $\leq 2$  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 18° 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



spot 18°		
h (m)	EO <sup>1</sup> (lx)	ø (m)
1	6190	0.32
2	1550	0.63
3	690	0.95
4	390	1.27
5	250	1.58

## Product drawing



## General

Ceiling | Track

tilt max 90°

rotation 360°

jet black | RAL 9005

IP20

1630 lm

## LED

3000 K

CRI  $\geq 90$

L80 / 50000 h

initial MacAdam  $\leq 2$  SDCM

R<sub>g</sub>: 99 | R<sub>f</sub>: 90 | R<sub>t(1-15)</sub>: 87

MR 0.6 | MDER 0.54

## Optical

spot | beam angle 18°

PstLM  $\leq 1.0$ <sup>1 2 3 4</sup> | SVM  $\leq 0.4$ <sup>1 2 3 4</sup>

## Electrical

DALI-2 | 1 DALI Addr.

PC2 | 220-240 V

system 20.5 W

system 80 lm/W<sup>5</sup>

## Physical

diameter 32 mm | height 100 mm

0.46 kg

<sup>1</sup> oval lens BO 32 007-1965860

<sup>2</sup> wallwasher lens BO 32 007-1965760

<sup>3</sup> soft lens BO 32 007-1965960

<sup>4</sup> Value of containing product at full load (undimmed)

<sup>5</sup> 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 <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	27
B13	34
B16	43
C10	33
C13	42
C16	53

## Optical accessories

### HONEYCOMB LOUVER

TYPE	COLOUR	Ø (MM)	ARTICLE NUMBER(S)
for BO 32   JUST 32   MOVE IN 32   TARO 32   TILA 32	jet black	30	007-1965168



## Optical accessories

### OVAL LENS

TYPE	Ø (MM)	ARTICLE NUMBER(S)
for BO 32   MOVE IN 32	30	007-1965860



### SOFT LENS

TYPE	Ø (MM)	ARTICLE NUMBER(S)
for BO 32   MOVE IN 32	30	007-1965960



### WALLWASHER LENS

TYPE	Ø (MM)	ARTICLE NUMBER(S)
for BO 32   MOVE IN 32	30	007-1965760



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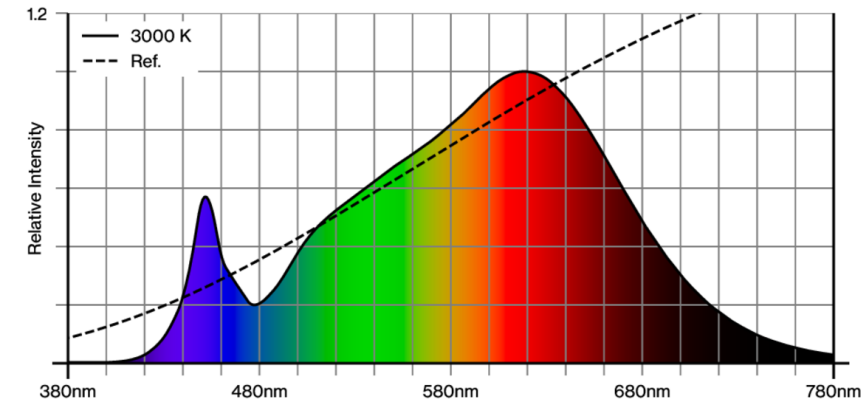


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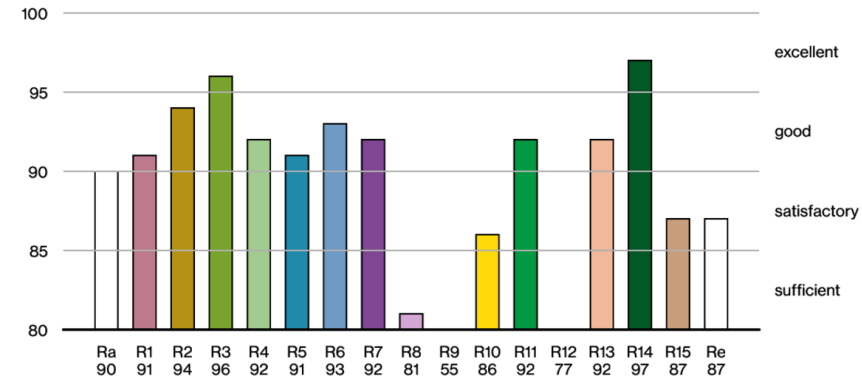
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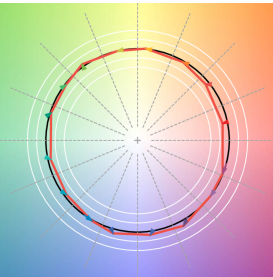
Colour rendering



CRI/R<sub>a</sub> ≥ 91 R<sub>e</sub> ≥ 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.

