

# BO 32 surface

049-6220417M 002-90743



Project / Type

Notes

Count / Date



Cylindrical spotlight in aluminium; surface white powder coated; 350° rotatable and 90° tiltable; with surface mounted housing; 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 2700 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 24° 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; incl. DALI-2 converter; flicker-free visual comfort through analogue current control (minimum value 1%); external converter for ceiling insertion, through-wiring suitable; light source replaceable by an authorized professional; control gear replaceable by an authorized professional;



### General

Ceiling | Surface

tilt max 90°

rotation 350°

white | RAL 9016 <sup>1</sup>

IP20

786 lm

### LED

2700 K

CRI  $\geq 90$

L80 / 50000 h

initial MacAdam  $\leq 2$  SDCM

R<sub>g</sub>: 99 | R<sub>f</sub>: 91 | R<sub>(1-15)</sub>: 89

MR 0.53 | MDER 0.48

### Optical

medium | beam angle 24°

PstLM  $\leq 1.0$ <sup>2 3 4 5</sup> | SVM  $\leq 0.4$ <sup>2 3 4 5</sup>

### Electrical

DALI-2 | 1 DALI Addr.

PC2 | 220-240 V

system 11.6 W | fixture 8.7 W

fixture 90 lm/W <sup>6</sup>

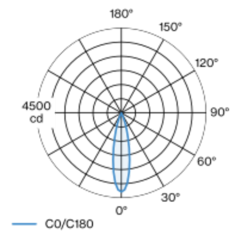
36 Vf | 250 mA

### Physical

diameter 32 mm | height 145 mm

0.39 kg

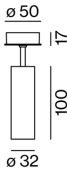
### Light distribution



medium 24°

h (m)	EO° (lx)	ø (m)
1	4180	0.42
2	1040	0.83
3	460	1.25
4	260	1.67
5	170	2.09

### Product drawing



<sup>1</sup> RAL code <sup>2</sup> oval lens BO 32 007-1965860  
<sup>3</sup> wallwasher lens BO 32 007-1965760  
<sup>4</sup> soft lens BO 32 007-1965960  
<sup>5</sup> Value of containing product at full load (undimmed)  
<sup>6</sup> incl. consideration of optical losses & internal control unit losses

### 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		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	80
B13	104
B16	130
B20	162
C10	135
C13	175
C16	220
C20	270

Components

POWER SUPPLY

L-W-H (MM)	ARTICLE NUMBER(S)
147-33-23	002-90743



Optional electrical accessories

DIN RAIL POWER SUPPLY

L-W-H (MM)	ARTICLE NUMBER(S)
72-90-63	005-6520210



DIN RAIL LED DRIVER

TYPE	L-W-H (MM)	ARTICLE NUMBER(S)
200 - 1050 mA   2 x 42W	36-88-59	005-6121030



Optical accessories

HONEYCOMB LOUVER

COLOUR	Ø (MM)	ARTICLE NUMBER(S)
jet black	30	007-1965168



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## Optical accessories

### OVAL LENS

<b>Ø (MM)</b>	<b>ARTICLE NUMBER(S)</b>
30	007-1965860



### SOFT LENS

<b>Ø (MM)</b>	<b>ARTICLE NUMBER(S)</b>
30	007-1965960



### WALLWASHER LENS

<b>Ø (MM)</b>	<b>ARTICLE NUMBER(S)</b>
30	007-1965760

