

BO 32 surface

049-6220718S 002-90743



Project / Type

Notes

Count / Date



General

Ceiling , Surface

tilt max 90°

rotation 350°

black , RAL9005 ¹

IP20

742 lm

LED

3500 K

CRI ≥ 90

L80 / 50000 h

initial MacAdam ≤ 2 SDCM

R_g: 97 , R_f: 90 , R_{f(1-5)}: 89

MR 0.7

MDER 0.63

Optical

spot

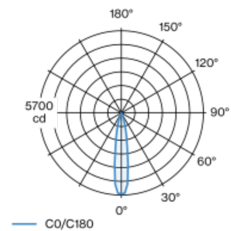
beam angle 18°

PstLM ≤ 1.0 ²

SVM ≤ 0.4 ²

Cylindrical spotlight in aluminium; surface black 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 3500 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 18° beam; good glare control through recessed light point level; optical attachment available as accessory; accessories are listed separately; degree of protection IP20; PC2 220-240V; 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;

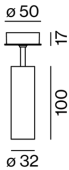
Light distribution



spot 18°

h (m)	EO° (lx)	ø (m)
1	5620	0.32
2	1400	0.63
3	620	0.95
4	350	1.27
5	220	1.58

Product drawing



Electrical

DALI-2

11.6 W

inset 8.7 W

36 Vf

250 mA

PC2 220-240V

64 lm/W

1 DALI Addr.

Physical

diameter 32 mm

height 145 mm

0.19 kg

¹ RAL code ² Value of containing product at full load (undimmed)

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 Faktor	

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

Components

POWER SUPPLY

L-W-H (MM)
166-30-22

ARTICLE NUMBER(S)
002-90743



Optional electrical accessories

DIN RAIL POWER SUPPLY

L-W-H (MM)
72-90-63

ARTICLE NUMBER(S)
005-6520210



DIN RAIL LED DRIVER

TYPE
DALI-2 | 200-1050 mA | 2 x 42W

L-W-H (MM)
36-88-59

ARTICLE NUMBER(S)
005-6121030



Optical accessories

HONEYCOMB LOUVER

COLOUR
jet black

Ø (MM)
30

ARTICLE NUMBER(S)
007-1965168

