

BO 32 semi-recessed

049-6120518F 002-90742



Project / Type

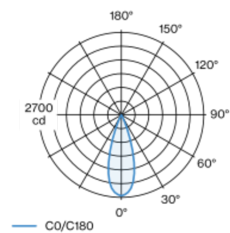
Notes

Count / Date



Cylindrical spotlight in aluminium; surface jet black powder coated; 350° rotatable and 90° tiltable; recessed version with trim; suitable for ceiling thickness of 2-25 mm; 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 34° 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. converter, non dimmable; external converter for ceiling insertion, through-wiring suitable; light source replaceable by an authorized professional; control gear replaceable by an authorized professional;

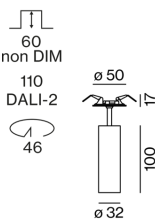
Light distribution



flood 34°

h (m)	EO° (lx)	ø (m)
1	2650	0.61
2	660	1.21
3	290	1.82
4	170	2.42
5	110	3.03

Product drawing



General

Ceiling | Semi-Recessed

tilt max 90°

rotation 350°

jet black | RAL 9005 ¹

IP20

813 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

flood | beam angle 34°

PstLM ≤ 1.0 ^{2 3 4 5} | SVM ≤ 0.4 ^{2 3 4 5}

Electrical

non DIM

PC2 | 220-240 V

system 11.6 W | fixture 8.7 W

fixture 93 lm/W ⁶

36 Vf | 250 mA

Physical

diameter 32 mm | height 139 mm

0.24 kg

Cutout

diameter 46 mm

min. ceiling thickness 2 mm | max. ceiling thickness 25 mm

recessed depth 60 mm

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

Installation instructions



Lighting calculator



BO 32 semi-recessed

049-6120518F 002-90742



Project / Type

Notes

Count / Date

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	57
B13	75
B16	92
B20	115
C10	57
C13	75
C16	92
C20	115

Components

POWER SUPPLY

L-W-H (MM)	ARTICLE NUMBER(S)
65-39-20	002-90742



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)
2 × 42W 48V DC UOUT 10–40V	36-88-59	005-6121030



Optical accessories

HONEYCOMB LOUVER

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



BO 32 semi-recessed

049-6120518F 002-90742



Project / Type

Notes

Count / Date

Optical accessories

OVAL LENS

Ø (MM)	ARTICLE NUMBER(S)
30	007-1965860



SOFT LENS

Ø (MM)	ARTICLE NUMBER(S)
30	007-1965960



WALLWASHER LENS

Ø (MM)	ARTICLE NUMBER(S)
30	007-1965760

