

BO 45 semi-recessed

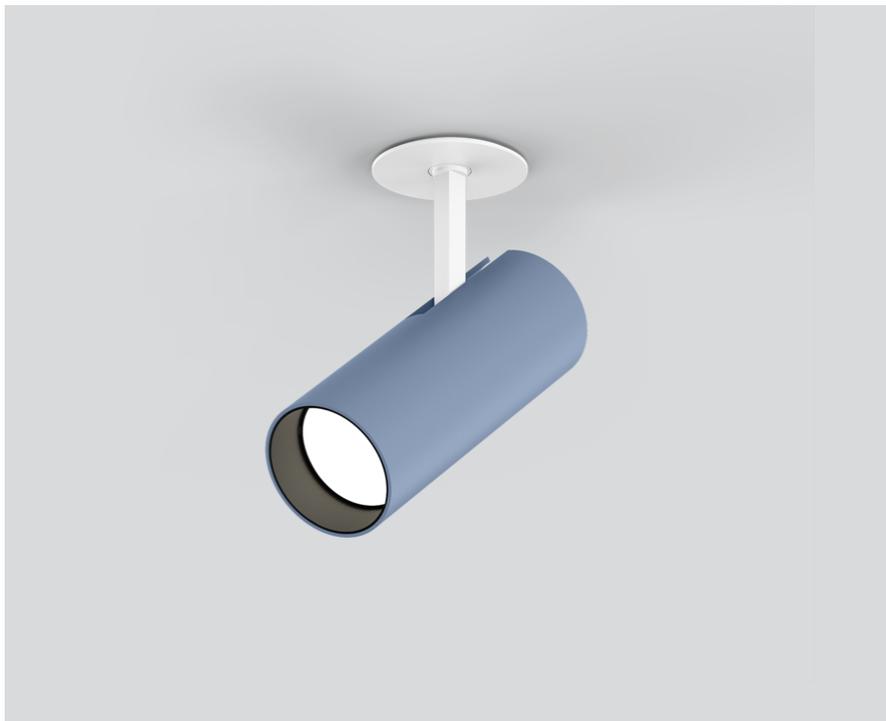
049-613051XF 002-90728



Project / Type _____

Notes _____

Count / Date _____



General

Ceiling , Semi-Recessed
 tilt max 90°
 rotation 350°
 special colours
 IP20
 1320 lm

LED

3000 K
 CRI ≥ 90
 L80 / 50000 h
 initial MacAdam ≤ 2 SDCM
 R_g: 100 , R_f: 91 , R_{f(1-15)}: 88
 MR 0.59
 MDER 0.53

Optical

flood
 beam angle 36°
 PstLM ≤ 1.0 ¹
 SVM ≤ 0.4 ¹

Electrical

DALI-2
 system 15.9 W
 inset 13.5 W
 36 Vf
 400 mA
 PC2 220-240V
 system 83 lm/W²
 inset 98 lm/W³
 1 DALI Addr.

Physical

diameter 45 mm
 height 149 mm
 0.34 kg

Cutout

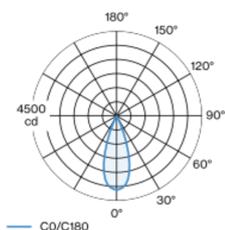
diameter 46 mm
 min. ceiling thickness 2 mm
 max. ceiling thickness 25 mm
 recessed depth 150 mm

¹ Value of containing product at full load (undimmed)

² incl. optical losses and the efficiency of the operating device (converter)

³ incl. optical losses

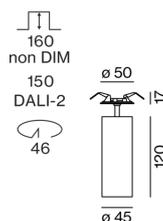
Light distribution



flood 36°

h (m)	EO° (lx)	ø (m)
1	3930	0.65
2	980	1.29
3	440	1.94
4	250	2.59
5	160	3.23

Product drawing



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 ^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	36
B13	47
B16	58
C10	36
C13	78
C16	58

Components

POWER SUPPLY

L-W-H (MM)	ARTICLE NUMBER(S)
197-29-21	002-90728



Optional electrical accessories

DIN RAIL POWER SUPPLY

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



DIN RAIL LED DRIVER

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



Optical accessories

HONEYCOMB LOUVER

COLOUR	Ø (MM)	ARTICLE NUMBER(S)
jet black	42	007-1965188



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Optical accessories

OVAL LENS

Ø (MM)
42

ARTICLE NUMBER(S)
007-1965880



SOFT LENS

Ø (MM)
42

ARTICLE NUMBER(S)
007-1965980



WALLWASHER LENS

Ø (MM)
42

ARTICLE NUMBER(S)
007-1965780

