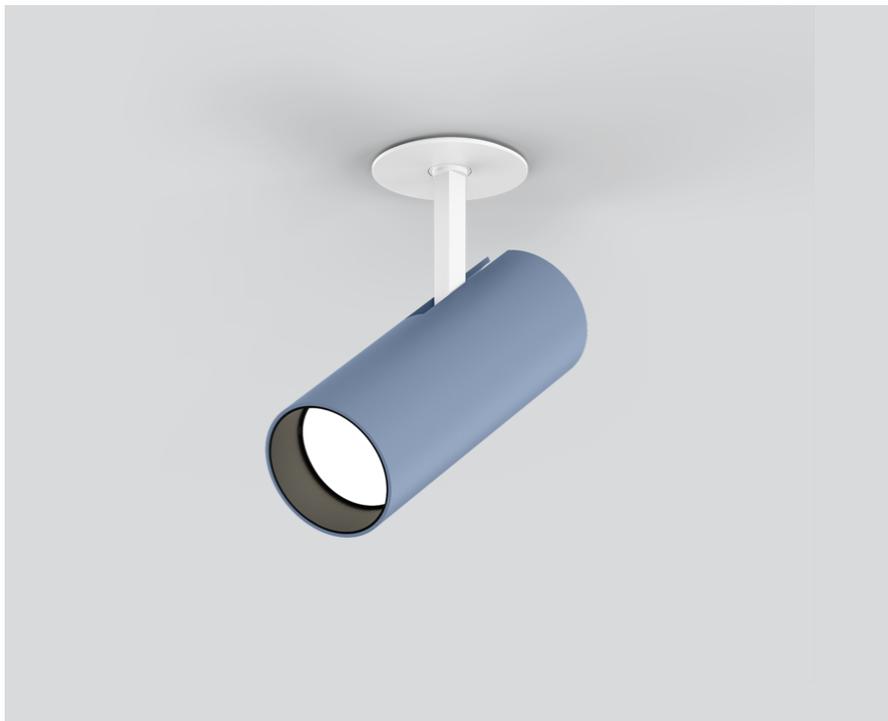


BO 45 semi-recessed

049-613071XV 002-90729



Project / Type _____
 Notes _____
 Count / Date _____



General

Ceiling | Semi-Recessed
 tilt max 90°
 rotation 350°
 special colours
 IP20
 437 lm
 fixture 63 lm/W¹

LED

3500 K
 CRI ≥ 90
 L85 / 50000 h
 initial MacAdam ≤ 3 SDCM
 R_g: 97 | R_f: 90 | R_{t(1-15)}: 87
 MR 0.68 | MDER 0.62

Optical

super spot | beam angle 8°
 PstLM ≤ 1.0² | SVM ≤ 0.4²

Electrical

DALI-2 | 1 DALI Addr.
 PC2 | 220-240 V
 system 9.2 W | fixture 6.9 W
 11 Vf | 600 mA

Physical

diameter 45 mm | height 149 mm
 0.41 kg

Cutout

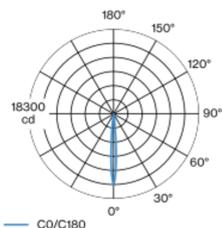
diameter 46 mm
 min. ceiling thickness 2 mm | max. ceiling thickness 25 mm
 recessed depth 150 mm

¹ incl. consideration of optical losses & internal control unit losses

² Value of containing product at full load (undimmed)

Cylindrical spotlight in aluminium; surface special colours 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 high power LED for maximum efficiency; no appearance of multiple shadows; light colour 3500 K; binning initial MacAdam ≤ 3 SDCM; CRI ≥ 90; min. 85% of luminous flux after 50000 operating hours; energy efficient LEDs with high CRI; incl. high quality lens system; precise radiation characteristic with 8° 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;

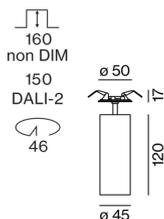
Light distribution



super spot 8°

h (m)	EO° (lx)	ø (m)
1	15300	0.14
2	3800	0.28
3	1700	0.41
4	1000	0.55
5	600	0.69

Product drawing



Installation instructions



Lighting calculator



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Project / Type

Notes

Count / Date

Maintenance Factors

Operating Time [h]	10 000	20 000	30 000	40 000	50 000
LLMF	0.98	0.95	0.92	0.89	0.86
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	36
B13	47
B16	58
C10	36
C13	78
C16	58

Components

POWER SUPPLY

L-W-H (MM)
197-29-21

ARTICLE NUMBER(S)
002-90729



Optional electrical accessories

DIN RAIL POWER SUPPLY

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

ARTICLE NUMBER(S)
005-6520210



DIN RAIL LED DRIVER

TYPE
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)
42

ARTICLE NUMBER(S)
007-1965188



BO 45 semi-recessed

049-613071XV 002-90729



Project / Type _____

Notes _____

Count / Date _____

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

