BO 32 semi-recessed

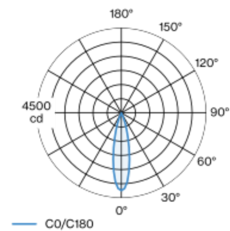049-6120717M 002-90743

| | 220-240V | X-PERT | X-PERT |

General

Ceiling , Semi-Recessed
tilt max 90°
rotation 350°
white , RAL9016 [1]
IP20
773 lm

LED

3500 K
CRI ≥ 90
L80 / 50000 h
initial MacAdam ≤ 2 SDCM
R_g: 97 , R_f: 90 , $R_{(1-15)}$: 89
MR 0.7
MDER 0.63

Optical

medium
beam angle 24°
PstLM ≤ 1.0 [2]
SVM ≤ 0.4 [2]

Electrical

DALI-2
system 11.6 W
inset 8.7 W
36 Vf
250 mA
PC2 220-240V
system 67 lm/W [3]
inset 89 lm/W [4]
1 DALI Addr.

Physical

diameter 32 mm
height 139 mm
0.39 kg

Cutout

diameter 46 mm
min. ceiling thickness 2 mm
max. ceiling thickness 25 mm
recessed depth 110 mm

[1] RAL code [2] Value of containing product at full load (undimmed)
[3] incl. optical losses and the efficiency of the operating device (converter)
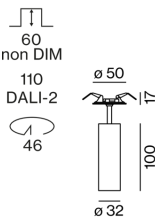[4] incl. optical losses

Cylindrical spotlight in aluminium; surface white 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 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 24° beam; good glare control through recessed light point level; optical attachment available as accessory; accessories are listed separately; degree of protection IP20; PC2 220-240V; 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

medium 24°

h (m)	E0° (lx)	ø (m)
1	4110	0.42
2	1030	0.83
3	460	1.25
4	260	1.67
5	160	2.09

Product drawing

60 non DIM
110 DALI-2
46

ø 50
17
100
ø 32

Installation instructions

Lighting calculator

21.11.2024

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

TYPE	L·W·H (MM)	ARTICLE NUMBER(S)
10 W	166·30·22	002-90743

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	30	007-1965168

BO 32 semi-recessed

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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