

BO 55 semi-recessed

049-614051XF 002-90726



Project / Type

Notes

Count / Date



General

Ceiling , Semi-Recessed

tilt max 90°

rotation 350°

special colours

IP20

1910 lm

LED

3000 K

CRI ≥ 90

L80 / 50000 h

initial MacAdam ≤ 2 SDCM

R_g: 100 , R_f: 91 , R_{f(1-5)}: 88

MR 0.59

MDER 0.53

Optical

flood

beam angle 37°

PstLM ≤ 1.0 ¹

SVM ≤ 0.4 ¹

Electrical

non DIM

24.7 W

PC2 220-240V

77 lm/W

Physical

diameter 55 mm

height 159 mm

0.55 kg

Cutout

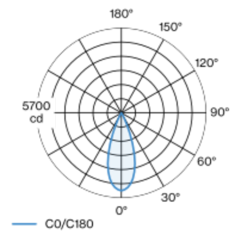
min. ceiling thickness 2 mm

max. ceiling thickness 25 mm

recessed depth 190 mm

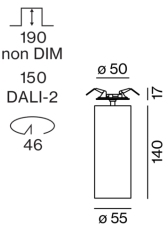
¹ Value of containing product at full load (undimmed)

Light distribution



flood 37°			
h (m)	EO° (lx)	ø (m)	
1	5220	0.67	
2	1300	1.34	
3	580	2.01	
4	330	2.68	
5	210	3.35	

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	31
B13	40
B16	50
B20	62
B25	78
C10	52
C13	67
C16	85
C20	104
C25	130

Components

POWER SUPPLY

L-W-H (MM)	ARTICLE NUMBER(S)
210-30-21	002-90726



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)
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	50	007-1965598

