

SPIO 20 downlight

trim

048-1610417F 002-90784



Project / Type
Notes
Count / Date



--	--	--	--

General

Ceiling , Recessed
rotation 360°
white , RAL 9016 ¹
IP20
289 lm
fixture 44 lm/W ²

LED

2700 K
CRI ≥ 90
L85 / 50000 h
initial MacAdam ≤ 3 SDCM
R _g : 104 , R _f : 88 , R _{f(1-15)} : 89
MR 0.5
MDER 0.46

Optical

flood
beam angle 34°
UGR ≤ 10
P _{stLM} ≤ 1.0 ³
SVM ≤ 0.4 ³

Electrical

DALI-2
220-240 V
system 8.7 W
fixture 6.5 W
12 Vf
600 mA
PC2
1 DALI Addr.

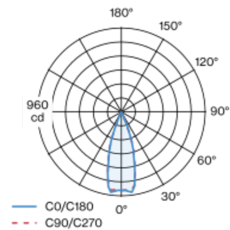
Physical

trim
diameter 35 mm
height 66 mm
0.2 kg

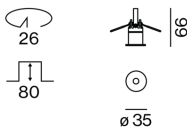
Cutout

diameter 26 mm
min. ceiling thickness 2 mm
max. ceiling thickness 25 mm
recessed depth 80 mm

Light distribution



Product drawing



¹ RAL code
² incl. consideration of optical losses & internal control unit losses
³ Value of containing product at full load (undimmed)

Installation instructions



Lighting calculator



SPIO 20 downlight

trim

048-1610417F 002-90784



Project / Type

Notes

Count / Date

Maintenance Factors

Operating Time [h]	10 000	20 000	30 000	40 000	50 000
LLMF	1	1	0.99	0.97	0.96
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	18
B16	30
C10	23
C16	36

Components

POWER SUPPLY

L-W-H (MM)	ARTICLE NUMBER(S)
143-43-30	002-90784



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

