

SASSO 100 round downlight

trim

048-2700219F 048-2796318 002-90766



Project / Type

Notes

Count / Date



General
Ceiling Recessed
gold dust RAL 260-M
Mounting set jet black
front IP44 back IP20
1630 lm
fixture 107 lm/W ¹

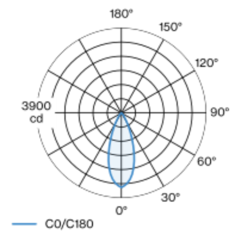
LED
3500 K
CRI ≥ 90
L80 / 50000 h
initial MacAdam ≤ 2 SDCM
R _g : 99 R _f : 90 R _{t-15} : 89
MR 0.7 MDER 0.64

Optical
flood beam angle 38°
UGR ≤ 16 ≥65° <1500 cd/m ²
PstLM ≤ 1.0 ² SVM ≤ 0.4 ²

Electrical
non DIM
PC2 220-240 V
system 17.9 W fixture 15.2 W
36 Vf 450 mA

Physical
trim
diameter 118 mm height 75 mm
1.3 kg

Light distribution



Product drawing



Cutout
diameter 108 mm
min. ceiling thickness 2 mm max. ceiling thickness 25 mm
recessed depth 80 mm

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

² Value of containing product at full load (undimmed)

Installation instructions

Lighting calculator



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Maintenance Factors

Operating Time [h]	10 000	20 000	30 000	40 000	50 000
LLMF	0.964	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 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.

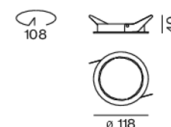
Circuit Breaker Types

Automatic Circuit Breaker Type	Number of Fixtures
B10	22
B16	36
C10	37
C16	60

Components

MOUNTING SET with trim 1 lamp

TYPE	COLOUR	Ø (MM)	ARTICLE NUMBER(S)
for intermediate ceilings	jet black	118	048-2796318



POWER SUPPLY

L-W-H (MM)	ARTICLE NUMBER(S)
143-43-30	002-90766

Mounting accessories

PRIMED CONCRETE MOUNTING HOUSING

L-W-H (MM)	ARTICLE NUMBER(S)
614-307-120	048-2695110



Optional electrical accessories

DIN RAIL POWER SUPPLY

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



DIN RAIL LED DRIVER

L-W-H (MM)	ARTICLE NUMBER(S)
36-88-59	005-6121030



[048-2700219F 048-2796318 002-90766] The technical data represent rated values for an ambient temperature of 25°C. The data values for the luminous flux are initially subject to a tolerance of +/- 10%, those for the electrical connected load are initially subject to a tolerance of +/- 10%, and those for the colour temperature are initially subject to a tolerance of +/- 150 K. No liability is assumed for typographical or printing errors. The general terms and conditions of XAL GmbH apply.

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Optional electrical accessories

POWER SUPPLY PRE-WIRED with junction box

ARTICLE NUMBER(S)
002-90767A
002-90789A
002-90776A
002-90766A
002-90780A
002-90774A



Electrical accessories

THROUGH WIRING CONNECTION BOX

TYPE	L-W-H (MM)	ARTICLE NUMBER(S)
non DIM cable ø 4 – 12 mm	105-58-30	005-2531110
DALI cable ø 4 – 12 mm	105-58-30	005-2551110



Optical accessories

HONEYCOMB LOUVER

TYPE	COLOUR	Ø (MM)	ARTICLE NUMBER(S)
for BO 55 SASSO 100	jet black	50	007-1965598



Colour rendering



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CRI/R_a ≥ 92 R_e ≥ 89 (3500 K)



TM30 colour vector graphic



The black line represents the black body reference. The red line indicates the results of the test light source. The deviation from the test light source to the reference is shown and is marked by arrows. The shorter the arrows, the higher the color rendering.

