

SASSO 100 round downlight trimless soft acoustic ceiling

048-2700911W 048-2796198 002-90780



Project / Type _____
Notes _____
Count / Date _____



General

Ceiling | Recessed
black | RAL 9005 ¹
front IP44 | back IP20
2310 lm
fixture 102 lm/W ²

LED

2700 K
CRI ≥ 90
L80 / 50000 h
initial MacAdam ≤ 2 SDCM
R_g: 97 | R_r: 91 | R_{f(1-15)}: 87
MR 0.52 | MDER 0.47

Optical

wide flood | beam angle 56°
UGR ≤ 19 | ≥65° <3000 cd/m²

Electrical

non DIM
PC2 | 220-240 V
system 26.7 W | fixture 22.7 W
36 Vf | 650 mA

Physical

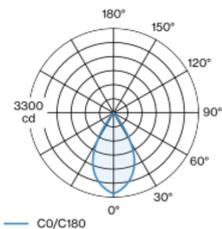
trimless for acoustic ceiling
diameter 114 mm | height 75 mm
0.49 kg

Cutout

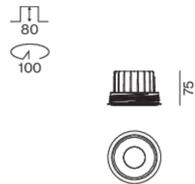
diameter 100-102 mm
min. ceiling thickness 25 mm | max. ceiling
thickness 40 mm
recessed depth 80 mm

Round recessed spotlight in die-cast aluminium; 1 lamp; surface black; installation without tools in mounting set due to patented ball catch system; round installation housing; for trimless installation in soft acoustic ceilings; suitable for ceiling thickness of 25-40 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 2700 K; binning initial MacAdam ≤ 2 SDCM; CRI ≥ 90; min. 80% of luminous flux after 50000 operating hours; energy efficient LEDs with high CRI; incl. high quality lens system; precise radiation characteristic with 56° beam; UGR ≤ 19; VDU compatible workplace luminaire according to DIN EN 12464-1; luminance above 65° ≤ 3000 cd/m²; degree of protection from below IP44 (from above IP20); PC2; 220-240 V; incl. converter, non dimmable; through wiring connection box, 3-pole or 5-pole, available as an accessory; accessories are listed separately; light source replaceable by an authorized professional; control gear replaceable by an authorized professional;

Light distribution



Product drawing



¹ RAL code
² incl. consideration of optical losses & internal control unit losses

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	33
B16	53
B20	67
B25	83
C10	40
C16	64
C20	80
C25	100

Components

POWER SUPPLY

L-W-H (MM) 143-43-30	ARTICLE NUMBER(S) 002-90780
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Mounting accessories

MOUNTING TOOL

COLOUR traffic black	L-W-H (MM) 104-104-35	ARTICLE NUMBER(S) 048-2795910
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Optional electrical accessories

DIN RAIL POWER SUPPLY

L-W-H (MM) 72-90-63	ARTICLE NUMBER(S) 005-6520210
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DIN RAIL LED DRIVER

TYPE 200 - 1050 mA 2 x 42W	L-W-H (MM) 36-88-59	ARTICLE NUMBER(S) 005-6121030
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Optional electrical accessories

POWER SUPPLY PREWIRED

TYPE with junktion box	ARTICLE NUMBER(S) 002-90767A
with junktion box	002-90789A
with junktion box	002-90776A
with junktion box	002-90766A
with junktion box	002-90780A
with junktion box	002-90774A



[048-2700911W 048-2796198 002-90780] 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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Electrical accessories

THROUGH WIRING CONNECTION BOX

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



Optical accessories

HONEYCOMB LOUVER

COLOUR	Ø (MM)	ARTICLE NUMBER(S)
jet black	50	007-1965598

