

SASSO 100 square adjustable

trim

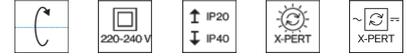
048-2730117W 048-2797318 002-90766



Project / Type

Notes

Count / Date



General

Ceiling | Recessed

tilt max 30°

white | RAL 9016¹

Mounting set jet black

front IP40 | back IP20

1950 lm

fixture 128 lm/W²

LED

4000 K

CRI ≥ 90

L80 / 50000 h

initial MacAdam ≤ 2 SDCM

R_g: 98 | R_r: 90 | R_[1-15]: 88

MR 0.8 | MDER 0.72

Optical

wide flood | beam angle 56°

UGR ≤ 19

PstLM ≤ 1.0³ | SVM ≤ 0.4³

Electrical

non DIM

PC2 | 220-240 V

system 17.9 W | fixture 15.2 W

36 Vf | 450 mA

Physical

trim

length 118 mm | width 118 mm | height 95 mm

1.4 kg

Cutout

length 112 mm | width 112 mm

min. ceiling thickness 2 mm | max. ceiling thickness 25 mm

recessed depth 100 mm

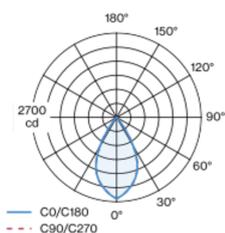
¹ RAL code

² incl. consideration of optical losses & internal control unit losses

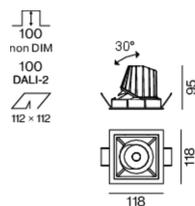
³ Value of containing product at full load (undimmed)

Recessed square spotlight in die-cast aluminium; 1 lamp; surface white; 30° tiltable; installation without tools in mounting set due to patented ball catch system; square installation housing; with trim jet black; 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 4000 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; degree of protection from below IP40 (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



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

TYPE	COLOUR	L-W-H (MM)	ARTICLE NUMBER(S)
for intermediate ceilings	jet black	118-118-35	048-2797318



POWER SUPPLY

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

Mounting accessories

PRIMED CONCRETE MOUNTING HOUSING

COLOUR	L-W-H (MM)	ARTICLE NUMBER(S)
white aluminium	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

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



[048-2730117W 048-2797318 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 PREWIRED

TYPE	ARTICLE NUMBER(S)
with junktion box	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

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

