

SASSO 100 square adjustable

trimless

048-2730119W 048-2797117 002-90766



Project / Type

Notes

Count / Date



General

Ceiling , Recessed

tilt max 30°

gold , RAL260-M ¹

Mounting set traffic white

front IP40 , back IP20

1770 lm

LED

4000 K

CRI ≥ 90

L80 / 50000 h

initial MacAdam ≤ 2 SDCM

R_g: 98 , R_f: 90 , R₍₁₋₁₅₎: 88

MR 0.8

MDER 0.72

Optical

wide flood

beam angle 60°

UGR < 19 , ≥65° <1500 cd/m²

P_{st}LM ≤ 1.0 ²

SVM ≤ 0.4 ²

Electrical

non DIM

17.9 W

inset 15.2 W

36 Vf

450 mA

PC2 220-240V

99 lm/W

inset 116 lm/W

Physical

trimless

length 105 mm

width 105 mm

height 95 mm

0.49 kg

Cutout

length 106 mm

width 106 mm

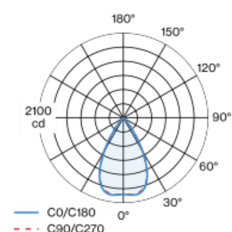
min. ceiling thickness 12.5 mm

max. ceiling thickness 25 mm

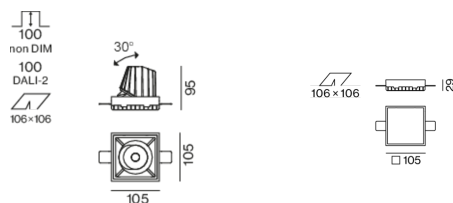
recessed depth 100 mm

¹ RAL code ² Value of containing product at full load (undimmed)

Light distribution



Product drawing



Installation instructions



Lighting calculator



[048-2730119W 048-2797117 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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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 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	22
B16	36
C10	37
C16	60

Components

MOUNTING SET trimless

TYPE	COLOUR	L-W-H (MM)	ARTICLE NUMBER(S)
for plasterboard ceilings 12.5/15/25 mm	traffic white	105-105-29	048-2797117



CONVERTER

TYPE	ARTICLE NUMBER(S)
21 W	002-90766

Mounting accessories

PRIMED CONCRETE MOUNTING HOUSING

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



Electrical accessories

THROUGH WIRING CONNECTION BOX

TYPE	L-W-H (MM)	ARTICLE NUMBER(S)
non DIM cable ø 4 – 12 mm	105-58-30	005-253110
DALI cable ø 4 – 12 mm	105-58-30	005-255110



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

