

SASSO 100 square downlight

trim 2 lamps

048-2710114M 048-2799318 002-90780



Project / Type

Notes

Count / Date



General

Ceiling , Recessed

matt silver

Mounting set jet black

front IP44 , back IP20

4420 lm

LED

4000 K

CRI ≥ 90

L80 / 50000 h

initial MacAdam ≤ 2 SDCM

R_g: 98 , R_r: 90 , R_{t(1-15)}: 88

MR 0.8

MDER 0.72

Optical

medium

beam angle 33°x34°

UGR < 16 , $\geq 65^\circ$ <3000 cd/m²

Electrical

non DIM

system 52 W

inset 22.7 W

36 Vf

650 mA

total insets 45 W

PC2 220-240V

system 85 lm/W¹

inset 97 lm/W²

Physical

trim

length 218 mm

width 118 mm

height 75 mm

0.55 kg

Cutout

length 210 mm

width 112 mm

min. ceiling thickness 2 mm

max. ceiling thickness 25 mm

recessed depth 100 mm

¹ incl. optical losses and the efficiency of the operating device (converter)

² incl. optical losses

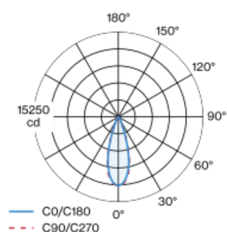
Installation instructions



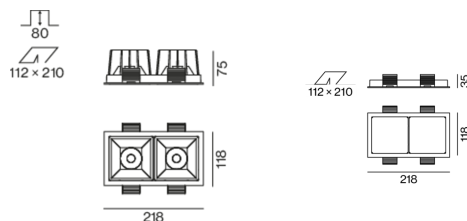
Lighting calculator



Light distribution



Product drawing



[048-2710114M 048-2799318 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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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	33
B16	53
B20	67
B25	83
C10	40
C16	64
C20	80
C25	100

Components

MOUNTING SET with trim 2 lamps

TYPE for intermediate ceilings	COLOUR jet black	L-W-H (MM) 218-118-35	ARTICLE NUMBER(S) 048-2799318
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CONVERTER

TYPE 31 W	L-W-H (MM) 143-43-30	ARTICLE NUMBER(S) 002-90780
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Electrical accessories

THROUGH WIRING CONNECTION BOX

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

DIN RAIL POWER SUPPLY

TYPE 160 W	L-W-H (MM) 72-90-63	ARTICLE NUMBER(S) 005-6520210
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DIN RAIL LED DRIVER

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