

SASSO 100 square downlight

trim 2 lamps

048-2710E17W 048-2799318 002-90776



Project / Type

Notes

Count / Date



General

Ceiling , Recessed

white , RAL9016 ¹

Mounting set jet black

front IP40 , back IP20

4580 lm

LED

colour warm dimming

1800 K - 3000 K

CRI ≥ 90

L90 / 50000 h

initial MacAdam ≤ 3 SDCM

R_g: 100 , R_f: 89 , R_{f(1-15)}: 89

MR 0.56

MDER 0.51

Optical

wide flood

beam angle 51°

PstLM ≤ 1.0 ²

SVM ≤ 0.4 ²

Electrical

DALI-2

56 W

inset 23.8 W

700 mA

total insets 48 W

PC2 220-240V

82 lm/W

inset 96 lm/W

1 DALI Addr.

Physical

trim

length 218 mm

width 118 mm

height 75 mm

0.59 kg

Cutout

length 210 mm

width 112 mm

min. ceiling thickness 2 mm

max. ceiling thickness 25 mm

recessed depth 100 mm

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

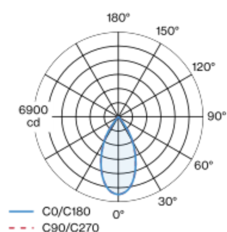
Installation instructions



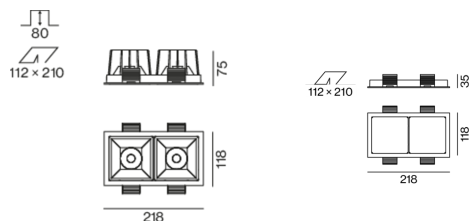
Lighting calculator



Light distribution



Product drawing



[048-2710E17W 048-2799318 002-90776] 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		0.97	0.95	0.93	0.91	0.89
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	18
B16	30
C10	23
C16	36

Components

MOUNTING SET with trim 2 lamps

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



CONVERTER

TYPE	L-W-H (MM)	ARTICLE NUMBER(S)
38 W	147-44-30	002-90776



Mounting 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

