

# SASSO 100 square downlight

trim 2 lamps

048-2710614W 048-279931G 002-90776



Project / Type \_\_\_\_\_

Notes \_\_\_\_\_

Count / Date \_\_\_\_\_



## General

Ceiling , Recessed \_\_\_\_\_

matt silver \_\_\_\_\_

Mounting set white aluminium \_\_\_\_\_

front IP44 , back IP20 \_\_\_\_\_

4840 lm \_\_\_\_\_

## LED

4000 K \_\_\_\_\_

CRI ≥ 90 \_\_\_\_\_

L80 / 50000 h \_\_\_\_\_

initial MacAdam ≤ 2 SDCM \_\_\_\_\_

R<sub>g</sub>: 97 , R<sub>f</sub>: 90 , R<sub>t(1-15)</sub>: 89 \_\_\_\_\_

MR 0.81 \_\_\_\_\_

MDER 0.74 \_\_\_\_\_

## Optical

wide flood \_\_\_\_\_

beam angle 65° \_\_\_\_\_

≥65° <1500 cd/m² \_\_\_\_\_

PstLM ≤ 1.0 <sup>1</sup> \_\_\_\_\_

SVM ≤ 0.4 <sup>1</sup> \_\_\_\_\_

## Electrical

DALI-2 \_\_\_\_\_

58 W \_\_\_\_\_

inset 24.8 W \_\_\_\_\_

36 Vf \_\_\_\_\_

700 mA \_\_\_\_\_

total insets 50 W \_\_\_\_\_

PC2 220-240V \_\_\_\_\_

83 lm/W \_\_\_\_\_

inset 98 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 \_\_\_\_\_

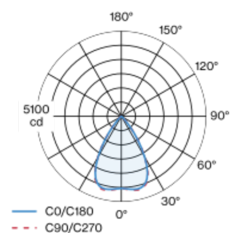
min. ceiling thickness 2 mm \_\_\_\_\_

max. ceiling thickness 25 mm \_\_\_\_\_

recessed depth 100 mm \_\_\_\_\_

Recessed square spotlight in die-cast aluminium; 2 lamps; surface matt silver; installation without tools in mounting set due to patented ball catch system; rectangular installation housing; with trim white aluminium; 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 65° beam; degree of protection from below IP44 (from above IP20); PC2 220-240V; incl. DALI-2 converter; 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



[048-2710614W 048-279931G 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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Installation  
instructions



Lighting  
calculator



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## Maintenance Factors

Operating Time [h]	10 000	20 000	30 000	40 000	50 000
LLMF	0.96	0.92	0.89	0.85	0.82
LSF	1	1	1	1	1
MF	LMF × RSMF × LLMF × LSF		RSMF <sup>a</sup> Room Surface Maintenance Factor		
MF	Maintenance Factor		LLMF Lamp Lumens Maintenance Factor		
LMF <sup>a</sup>	Luminaire Maintenance Factor		LSF Lamp Survival Faktor		

<sup>a</sup> 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	white aluminium	218-118-35	048-279931G



### 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	005-2531110
DALI cable ø 4 – 12 mm	105-58-30	005-2551110



## 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

