

# SASSO 100 square downlight

trim 2 lamps

048-2710217M 048-2799318 002-90780



Project / Type

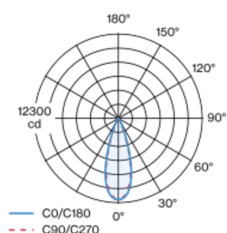
Notes

Count / Date



Recessed square spotlight in die-cast aluminium; 2 lamps; surface white; installation without tools in mounting set due to patented ball catch system; rectangular 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 3500 K; binning initial MacAdam  $\leq 2$  SDCM; CRI  $\geq 90$ ; min. 80% of luminous flux after 50000 operating hours; energy efficient LEDs with high CRI; incl. high quality lens system; precise radiation characteristic with 34° beam; UGR  $\leq 19$ ; degree of protection from below IP44 (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



## General

Ceiling , Recessed

white , RAL 9016 <sup>1</sup>

Mounting set jet black

front IP44 , back IP20

4420 lm

fixture 97 lm/W<sup>2</sup>

## LED

3500 K

CRI  $\geq 90$

L80 / 50000 h

initial MacAdam  $\leq 2$  SDCM

R<sub>g</sub>: 99 , R<sub>f</sub>: 90 , R<sub>(1-15)</sub>: 89

MR 0.7

MDER 0.64

## Optical

medium

beam angle 34°

UGR  $\leq 19$

## Electrical

non DIM

220-240 V

system 52 W

fixture 22.7 W

36 Vf

650 mA

fixture 45 W

PC2

## 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

<sup>1</sup> RAL code

<sup>2</sup> incl. consideration of optical losses & internal control unit losses

## Installation instructions



## Lighting calculator



[048-2710217M 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 <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	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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## 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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## Optional electrical accessories

### POWER SUPPLY PREWIRED

TYPE	ARTICLE NUMBER(S)
with junktion box   DALI-2	002-90767A
with junktion box   DALI-2	002-90789A
with junktion box   DALI-2	002-90776A
with junktion box   non DIM	002-90766A
with junktion box   non DIM	002-90780A
with junktion box   non DIM	002-90774A



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## 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

