

# SASSO 60 square downlight

semi-recessed

048-30011177M 002-90771



Project / Type

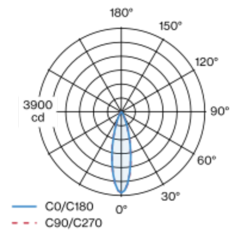
Notes

Count / Date



Square semi-recessed spotlight made of aluminium; surface white powder coated; Inner colour lacquered in white; luminaire housing can be attached to mounting plate without tools by interlock; 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  $\leq 2$  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 27° beam; UGR  $\leq 19$ ; degree of protection IP40; PC2; 220-240 V; incl. converter, non dimmable; external converter for ceiling insertion, through-wiring suitable; light source replaceable by an authorized professional; control gear replaceable by an authorized professional;

## Light distribution



## Product drawing



### General

Ceiling | Semi-Recessed

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

Inner colour white

front IP40 | back IP20

1140 lm

fixture 107 lm/W <sup>2</sup>

### LED

4000 K

CRI  $\geq 90$

L80 / 50000 h

initial MacAdam  $\leq 2$  SDCM

R<sub>g</sub>: 98 | R<sub>f</sub>: 90 | R<sub>t(1-15)</sub>: 88

MR 0.8 | MDER 0.72

### Optical

medium | beam angle 27°

UGR  $\leq 19$

PstLM  $\leq 1.0$  <sup>3</sup> | SVM  $\leq 0.4$  <sup>3</sup>

### Electrical

non DIM

PC2 | 220-240 V

system 12.5 W | fixture 10.6 W

36 Vf | 300 mA

### Physical

length 72 mm | width 72 mm | height 75 mm

0.48 kg

### Cutout

diameter 60 mm

recessed depth 85 mm

<sup>1</sup> RAL code  
<sup>2</sup> incl. consideration of optical losses & internal control unit losses  
<sup>3</sup> Value of containing product at full load (undimmed)

## Installation instructions



## Lighting calculator



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## Maintenance Factors

Operating Time [h]	10 000	20 000	30 000	40 000	50 000
LLMF	0.964	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 Factor	

<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	43
B13	55
B16	68
B20	85
C10	72
C13	94
C16	116
C20	145

## Components

### POWER SUPPLY

L-W-H (MM)  
85-40-22

ARTICLE NUMBER(S)  
002-90771



## Optional electrical accessories

### DIN RAIL LED DRIVER

TYPE  
200 - 1050 mA | 2 x 42W

L-W-H (MM)  
36-88-59

ARTICLE NUMBER(S)  
005-6121030



### DIN RAIL POWER SUPPLY

L-W-H (MM)  
72-90-63

ARTICLE NUMBER(S)  
005-6520210



## Optional electrical accessories

### POWER SUPPLY PREWIRED

TYPE  
with junction box  
with junction box  
with junction box  
with junction box

ARTICLE NUMBER(S)  
002-90790A  
002-90748A  
002-90771A  
002-90742A

## Optional electrical accessories

### POWER SUPPLY

TYPE  
with loop through function  
with loop through function

L-W-H (MM)  
185-30-21  
185-30-21

ARTICLE NUMBER(S)  
002-90770  
002-90747



[\*048-30011177M 002-90771\*] 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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