

# SASSO 100 round downlight

trim

048-2700914M 048-2796317 002-90767



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

Notes \_\_\_\_\_

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



## General

Ceiling , Recessed  
 matt silver  
 Mounting set traffic white  
 front IP44 , back IP20  
 1440 lm

## LED

2700 K  
 CRI  $\geq$  90  
 L80 / 50000 h  
 initial MacAdam  $\leq$  2 SDCM  
 $R_g: 97, R_r: 91, R_{(f-15)}: 87$   
 MR 0.52  
 MDER 0.47

## Optical

medium  
 beam angle 33°  
 UGR  $< 13, \geq 65^\circ < 3000 \text{ cd/m}^2$   
 PstLM  $\leq 1.0^1$   
 SVM  $\leq 0.4^1$

## Electrical

DALI-2  
 system 17.9 W  
 inset 15.2 W  
 36 Vf  
 450 mA  
 PC2 220-240V  
 system 80 lm/W<sup>2</sup>  
 inset 95 lm/W<sup>3</sup>  
 1 DALI Addr.

## Physical

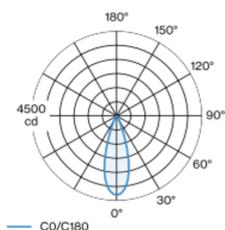
trim  
 diameter 118 mm  
 height 75 mm  
 0.5 kg

## Cutout

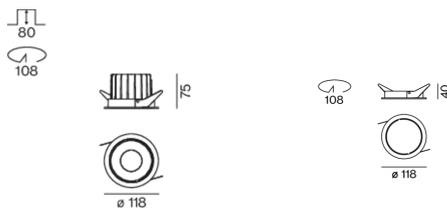
diameter 108 mm  
 min. ceiling thickness 2 mm  
 max. ceiling thickness 25 mm  
 recessed depth 80 mm

<sup>1</sup> Value of containing product at full load (undimmed)  
<sup>2</sup> incl. optical losses and the efficiency of the operating device (converter)  
<sup>3</sup> incl. optical losses

## Light distribution



## Product drawing



## 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  
 MF Maintenance Factor  
 LMF<sup>a</sup> Luminaire Maintenance Factor

RSMF<sup>a</sup> Room Surface Maintenance Factor  
 LLMF Lamp Lumens 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 1 lamp

TYPE	COLOUR	Ø (MM)	ARTICLE NUMBER(S)
for intermediate ceilings	traffic white	118	048-2796317



### Mounting accessories

#### PRIMED CONCRETE MOUNTING HOUSING

COLOUR	L-W-H (MM)	ARTICLE NUMBER(S)
white aluminium	614-307-120	048-2695110



### Electrical 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



[048-2700914M 048-2796317 002-90767] 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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## Optical accessories

### HONEYCOMB LOUVER

COLOUR  
jet black

Ø (MM)  
50

ARTICLE NUMBER(S)  
007-196598

