

# SASSO 100 round adjustable trimless soft acoustic ceiling

048-2720014M 048-2796197 002-90766



Project / Type \_\_\_\_\_  
 Notes \_\_\_\_\_  
 Count / Date \_\_\_\_\_



## General

Ceiling , Recessed \_\_\_\_\_  
 tilt max 30° \_\_\_\_\_  
 rotation 360° \_\_\_\_\_  
 matt silver \_\_\_\_\_  
 Mounting set signal white for acoustic ceilings \_\_\_\_\_  
 front IP40 , back IP20 \_\_\_\_\_  
 1510 lm \_\_\_\_\_

## LED

3000 K \_\_\_\_\_  
 CRI ≥ 90 \_\_\_\_\_  
 L80 / 50000 h \_\_\_\_\_  
 initial MacAdam ≤ 2 SDCM \_\_\_\_\_  
 R<sub>g</sub>: 99 , R<sub>r</sub>: 90 , R<sub>t(1-15)</sub>: 87 \_\_\_\_\_  
 MR 0.6 \_\_\_\_\_  
 MDER 0.54 \_\_\_\_\_

## Optical

medium \_\_\_\_\_  
 beam angle 32° \_\_\_\_\_  
 UGR < 16 , ≥65° <3000 cd/m<sup>2</sup> \_\_\_\_\_  
 PstLM ≤ 1.0 <sup>1</sup> \_\_\_\_\_  
 SVM ≤ 0.4 <sup>1</sup> \_\_\_\_\_

## Electrical

non DIM \_\_\_\_\_  
 220-240 V \_\_\_\_\_  
 system 17.9 W \_\_\_\_\_  
 inset 15.2 W \_\_\_\_\_  
 36 Vf \_\_\_\_\_  
 450 mA \_\_\_\_\_  
 PC2 \_\_\_\_\_  
 system 84 lm/W<sup>2</sup> \_\_\_\_\_  
 inset 99 lm/W<sup>2</sup> \_\_\_\_\_

## Physical

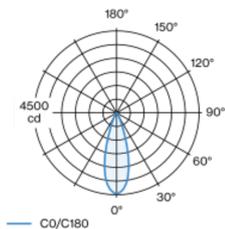
trimless for acoustic ceiling \_\_\_\_\_  
 diameter 114 mm \_\_\_\_\_  
 height 95 mm \_\_\_\_\_  
 0.49 kg \_\_\_\_\_

## Cutout

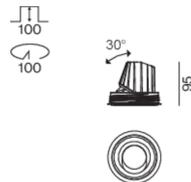
diameter 100 mm \_\_\_\_\_  
 min. ceiling thickness 25 mm \_\_\_\_\_  
 max. ceiling thickness 40 mm \_\_\_\_\_  
 recessed depth 100 mm \_\_\_\_\_

Round recessed spotlight in die-cast aluminium; 1 lamp; surface matt silver; 360° rotatable and 30° tiltable; installation without tools in mounting set due to patented ball catch system; round installation housing; signal white for acoustic ceilings; for trimless installation in soft acoustic ceilings; suitable for ceiling thickness of 25-40 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 3000 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 32° beam; UGR ≤ 16; VDU compatible workplace luminaire according to DIN EN 12464-1; luminance above 65° ≤ 3000 cd/m<sup>2</sup>; degree of protection from below IP40 (from above IP20); PC2; 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



<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)

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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	0.964	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	22
B16	36
C10	37
C16	60

## Components

### MOUNTING SET trimless for soft acoustic ceilings

COLOUR	Ø (MM)	ARTICLE NUMBER(S)
signal white for acoustic ceilings	114	048-2796197



### CONVERTER

TYPE	ARTICLE NUMBER(S)
21 W	002-90766

## 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	005-253110
DALI cable ø 4 – 12 mm	105-58-30	005-255110



## 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



[048-2720014M 048-2796197 002-90766] 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)  
007-1965598

