

# SASSO 100 round adjustable

trimless exposed concrete

048-2720514S 048-2795210 002-90776



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

Notes \_\_\_\_\_

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



## General

Ceiling , Recessed  
 tilt max 30°  
 rotation 360°  
 matt silver  
 front IP40 , back IP20  
 1960 lm

## LED

3000 K  
 CRI ≥ 90  
 L80 / 50000 h  
 initial MacAdam ≤ 2 SDCM  
 R<sub>g</sub>: 100 , R<sub>f</sub>: 91 , R<sub>f(1-15)</sub>: 88  
 MR 0.59  
 MDER 0.53

## Optical

spot  
 beam angle 18°  
 UGR < 16  
 P<sub>stLM</sub> ≤ 1.0<sup>1</sup>  
 SVM ≤ 0.4<sup>1</sup>

## Electrical

DALI-2  
 29.2 W  
 PC2 220-240V  
 67 lm/W  
 1 DALI Addr.

## Physical

trimless  
 length 230 mm  
 width 230 mm  
 height 162 mm  
 2.61 kg

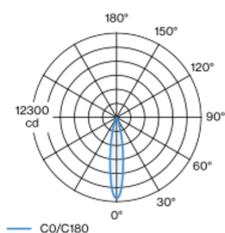
## Cutout

recessed depth 100 mm

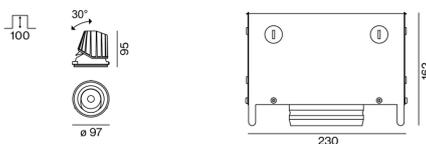
<sup>1</sup> Value of containing product at full load (undimmed)

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; concrete housings for exposed concrete ceilings; for trimless installation; 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 18° beam; UGR ≤ 16; degree of protection from below IP40 (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



## Installation instructions



## Lighting calculator



# SASSO 100 round adjustable

trimless exposed concrete

048-2720514S 048-2795210 002-90776



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

Notes \_\_\_\_\_

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

## 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

### EXPOSED CONCRETE MOUNTING HOUSING

<b>COLOUR</b>	<b>L-W-H (MM)</b>	<b>ARTICLE NUMBER(S)</b>
white aluminium	230-230-162	048-2795210



### CONVERTER

<b>L-W-H (MM)</b>	<b>ARTICLE NUMBER(S)</b>
147-44-30	002-90776



## Mounting accessories

### THROUGH WIRING CONNECTION BOX

<b>TYPE</b>	<b>L-W-H (MM)</b>	<b>ARTICLE NUMBER(S)</b>
non DIM cable ø 4 – 12 mm	105-58-30	005-2531110
DALI cable ø 4 – 12 mm	105-58-30	005-2551110



## Mounting accessories

### PRIMED CONCRETE MOUNTING HOUSING

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



## Optional electrical accessories

### DIN RAIL POWER SUPPLY

<b>L-W-H (MM)</b>	<b>ARTICLE NUMBER(S)</b>
72-90-63	005-6520210



### DIN RAIL LED DRIVER

<b>TYPE</b>	<b>L-W-H (MM)</b>	<b>ARTICLE NUMBER(S)</b>
DALI-2   200-1050 mA   2 x 42W	36-88-59	005-6121030



[048-2720514S 048-2795210 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.

23.05.2024