

# SASSO 60 round adjustable

trimless exposed concrete

048-2622217M 048-2695210 002-90771



Project / Type

Notes

Count / Date



## General

Ceiling | Recessed  
 tilt max 30°  
 rotation 360°  
 traffic white | RAL 9016  
 Mounting set white aluminium  
 front IP40 | back IP20  
 1110 lm  
 fixture 104 lm/W<sup>1</sup>

## LED

3500 K  
 CRI ≥ 90  
 L80 / 50000 h  
 initial MacAdam ≤ 2 SDCM  
 R<sub>g</sub>: 99 | R<sub>r</sub>: 90 | R<sub>[1-15]</sub>: 89  
 MR 0.7 | MDER 0.64

## Optical

medium | beam angle 27°  
 PstLM ≤ 1.0<sup>2</sup> | SVM ≤ 0.4<sup>2</sup>

## Electrical

non DIM  
 PC2 | 220-240 V  
 system 12.5 W | fixture 10.6 W  
 36 Vf | 300 mA

## Physical

trimless for exposed concrete ceiling  
 length 230 mm | width 230 mm | height 162 mm  
 2.37 kg

## Cutout

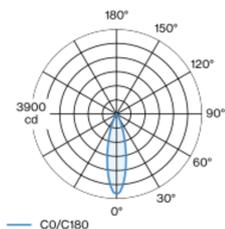
recessed depth 60 mm

<sup>1</sup> incl. consideration of optical losses & internal control unit losses

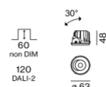
<sup>2</sup> Value of containing product at full load (undimmed)

Round recessed spotlight in die-cast aluminium; 1 lamp; surface traffic white; 360° rotatable and 30° tilttable; 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 3500 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 27° beam; degree of protection from below IP40 (from above IP20); PC2; 220-240 V; incl. converter, non dimmable; light source replaceable by an authorized professional; control gear replaceable by an authorized professional;

## 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	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.

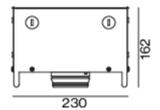
## Circuit Breaker Types

Automatic Circuit Breaker Type	Number of Fixtures
B10	43
B13	55
B16	68
B20	85
C10	72
C13	94
C16	116
C20	145

## Components

### EXPOSED CONCRETE MOUNTING HOUSING

<b>COLOUR</b>	<b>L-W-H (MM)</b>	<b>ARTICLE NUMBER(S)</b>
white aluminium	230-230-162	048-2695210



### POWER SUPPLY

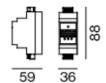
<b>L-W-H (MM)</b>	<b>ARTICLE NUMBER(S)</b>
85-40-22	002-90771



## Optional electrical accessories

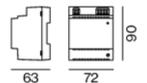
### DIN RAIL LED DRIVER

<b>L-W-H (MM)</b>	<b>ARTICLE NUMBER(S)</b>
36-88-59	005-6121030



### DIN RAIL POWER SUPPLY

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



[048-2622217M 048-2695210 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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## Optional electrical accessories

### POWER SUPPLY PRE-WIRED with junction box

**ARTICLE NUMBER(S)**

002-90790A

002-90748A

002-90771A

002-90742A



## Optional electrical accessories

### POWER SUPPLY PRE-WIRED with loop through function

**L-W-H (MM)**

185-30-21

185-30-21

**ARTICLE NUMBER(S)**

002-90770

002-90747



## Electrical accessories

### THROUGH WIRING CONNECTION BOX

**TYPE**

non DIM cable ø 4 – 12 mm

DALI cable ø 4 – 12 mm

**L-W-H (MM)**

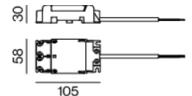
105-58-30

105-58-30

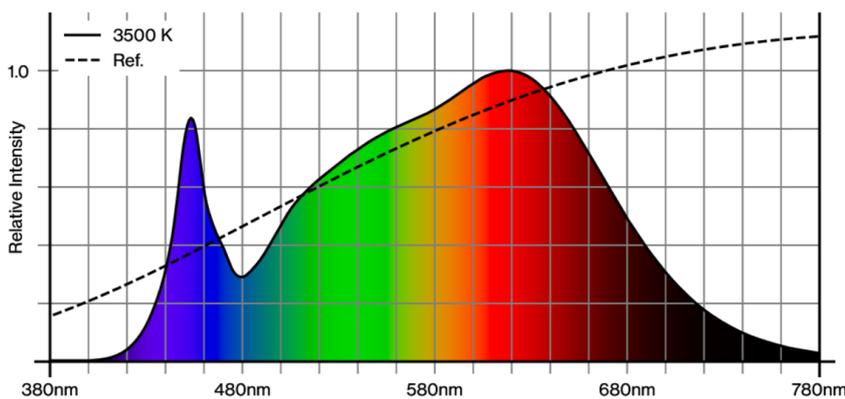
**ARTICLE NUMBER(S)**

005-253110

005-255110



## Colour rendering



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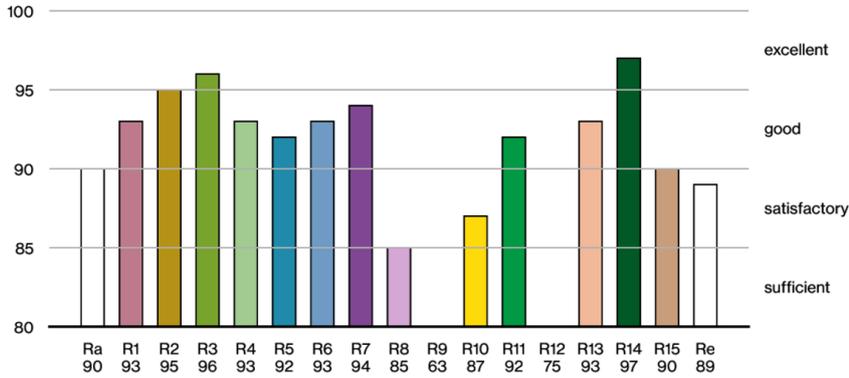


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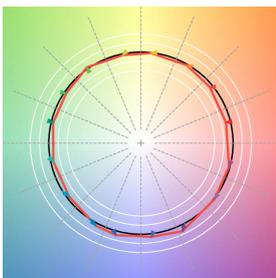
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## CRI/R<sub>a</sub> ≥ 92 R<sub>e</sub> ≥ 89 (3500 K)



## TM30 colour vector graphic



The black line represents the black body reference. The red line indicates the results of the test light source. The deviation from the test light source to the reference is shown and is marked by arrows. The shorter the arrows, the higher the color rendering.