

# SASSO 60 round downlight

trim

048-2602219F 048-269631G 002-90790



Project / Type

Notes

Count / Date



## General

Ceiling | Recessed  
rotation 360°  
gold dust | RAL 260-M  
Mounting set white aluminium  
front IP44 | back IP20  
974 lm  
fixture 92 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

flood | beam angle 40°  
UGR ≤ 19 | ≥65° <1500 cd/m<sup>2</sup>  
PstLM ≤ 1.0<sup>2</sup> | SVM ≤ 0.4<sup>2</sup>

## Electrical

DALI-2 | 1 DALI Addr.  
PC2 | 220-240 V  
system 12.5 W | fixture 10.6 W  
36 Vf | 300 mA

## Physical

trim  
diameter 80 mm | height 48 mm  
4.7 kg

## Cutout

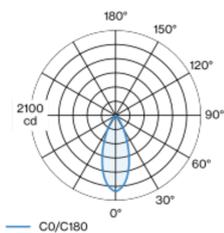
diameter 73 mm  
min. ceiling thickness 2 mm | max. ceiling  
thickness 25 mm  
recessed depth 100 mm

<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 gold dust; installation without tools in mounting set due to patented ball catch system; round installation housing; with trim white aluminium; suitable for ceiling thickness of 2-25 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 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 40° beam; UGR ≤ 19; VDU compatible workplace luminaire according to DIN EN 12464-1; luminance above 65° ≤ 1500 cd/m<sup>2</sup>; degree of protection from below IP44 (from above IP20); PC2; 220-240 V; incl. DALI-2 converter; light source replaceable by an authorized professional; control gear replaceable by an authorized professional;

## Light distribution



## Product drawing



## Installation instructions



## Lighting calculator



# SASSO 60 round downlight

trim

048-2602219F 048-269631G 002-90790



Project / Type

Notes

Count / Date

## 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.

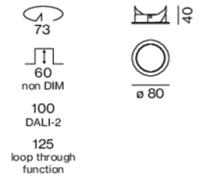
## Circuit Breaker Types

Automatic Circuit Breaker Type	Number of Fixtures
B10	72
B16	115
C10	106
C16	170

## Components

### MOUNTING SET with trim 1 lamp

TYPE	COLOUR	Ø (MM)	ARTICLE NUMBER(S)
for intermediate ceilings	white aluminium	80	048-269631G



### POWER SUPPLY

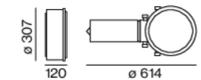
ARTICLE NUMBER(S)
002-90790



## Mounting accessories

### PRIMED CONCRETE MOUNTING HOUSING

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



[048-2602219F 048-269631G 002-90790] 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.

© XAL GmbH · Auer-Welsbach-Gasse 36 · 8055 Graz · Austria · www.xal.com

07.08.2025

2 / 4

# SASSO 60 round downlight

trim

048-2602219F 048-269631G 002-90790



Project / Type

Notes

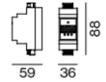
Count / Date

## Optional electrical accessories

### DIN RAIL LED DRIVER

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

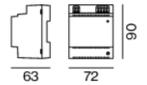
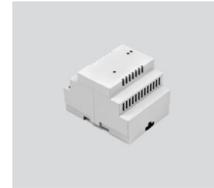
ARTICLE NUMBER(S)  
005-6121030



### DIN RAIL POWER SUPPLY

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

ARTICLE NUMBER(S)  
005-6520210



## Optional electrical accessories

### POWER SUPPLY 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



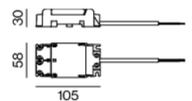
## Electrical accessories

### 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)  
005-2531110  
005-2551110



# SASSO 60 round downlight

trim

048-2602219F 048-269631G 002-90790

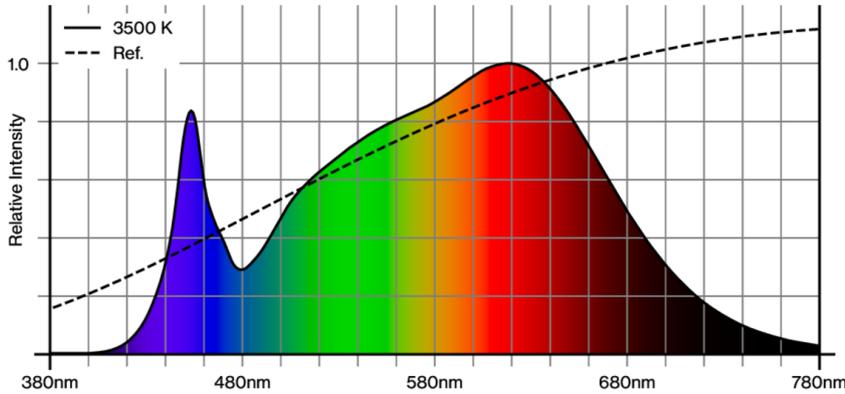


Project / Type

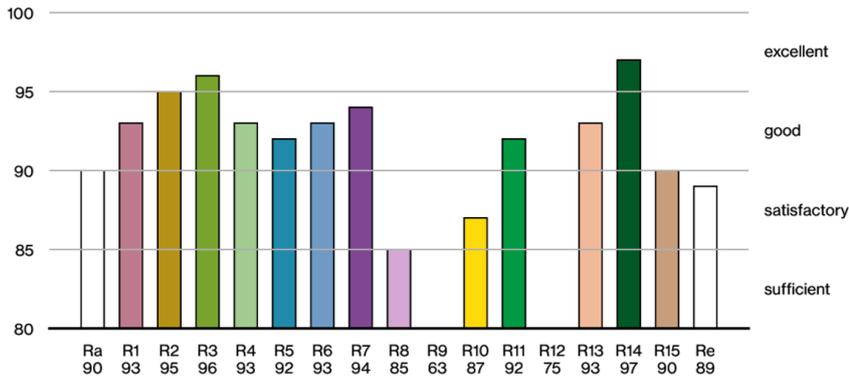
Notes

Count / Date

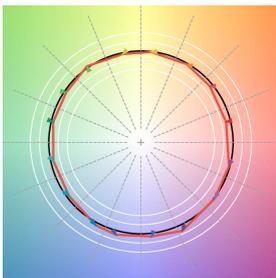
## Colour rendering



**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.