

# SASSO 60 round downlight

trimless exposed concrete

048-2602419M 048-2695210 002-90771



Project / Type

Notes

Count / Date



## General

Ceiling , Recessed

rotation 360°

gold , RAL260-M <sup>1</sup>

front IP44 , back IP20

876 lm

## LED

2700 K

CRI ≥ 90

L80 / 50000 h

initial MacAdam ≤ 2 SDCM

R<sub>g</sub>: 99 , R<sub>r</sub>: 91 , R<sub>(1-15)</sub>: 89

MR 0.53

MDER 0.48

## Optical

medium

beam angle 21°

UGR < 16 , ≥65° <3000 cd/m<sup>2</sup>

PstLM ≤ 1.0 <sup>2</sup>

SVM ≤ 0.4 <sup>2</sup>

## Electrical

non DIM

12.6 W

PC2 220-240V

70 lm/W

## Physical

trimless

length 230 mm

width 230 mm

height 162 mm

2.35 kg

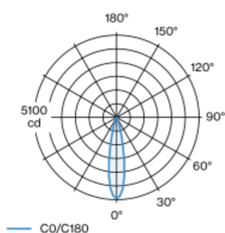
## Cutout

recessed depth 60 mm

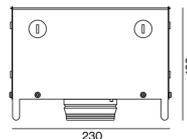
<sup>1</sup> RAL code <sup>2</sup> Value of containing product at full load (undimmed)

Round recessed spotlight in die-cast aluminium; 1 lamp; surface gold; 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 2700 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 21° 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 IP44 (from above IP20); PC2 220-240V; 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



[048-2602419M 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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## Maintenance Factors

| Operating Time [h] | 10 000 | 20 000 | 30 000 | 40 000 | 50 000 |
|--------------------|--------|--------|--------|--------|--------|
| LLMF               | 0.96   | 0.92   | 0.88   | 0.85   | 0.81   |
| 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                            | 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              |



### CONVERTER

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



## 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              |



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