

# SASSO 60 round downlight

trim 2 lamps

048-2602014W 048-2698318 002-90771



Project / Type

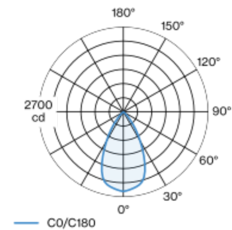
Notes

Count / Date



Round recessed spotlight in die-cast aluminium; 2 lamps; surface matt silver; installation without tools in mounting set due to patented ball catch system; oval installation housing; with trim jet black; 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 3000 K; binning initial MacAdam  $\leq 2$  SDCM; CRI  $\geq 90$ ; min. 80% of luminous flux after 50000 operating hours; energy efficient LEDs with high CRI; incl. high quality lens system; precise radiation characteristic with 56° beam; degree of protection from below IP44 (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



## General

Ceiling | Recessed

rotation 360°

matt silver

Mounting set jet black

front IP44 | back IP20

2160 lm

fixture 102 lm/W <sup>1</sup>

## LED

3000 K

CRI  $\geq 90$

L80 / 50000 h

initial MacAdam  $\leq 2$  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

wide flood | beam angle 56°

PstLM  $\leq 1.0$  <sup>2</sup> | SVM  $\leq 0.4$  <sup>2</sup>

## Electrical

non DIM

PC2 | 220-240 V

system 25.0 W | fixture 10.6 W

total fixtures 21.3 W

36 Vf | 300 mA

## Physical

trim

length 147 mm | width 80 mm | height 48 mm

0.29 kg

## Cutout

diameter 70 mm | length 70 mm | width 136 mm

min. ceiling thickness 2 mm | max. ceiling thickness 25 mm

recessed depth 90 mm

<sup>1</sup> incl. consideration of optical losses & internal control unit losses  
<sup>2</sup> Value of containing product at full load (undimmed)

## 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

#### MOUNTING SET with trim 2 lamps

|                                   |                     |                         |                                  |
|-----------------------------------|---------------------|-------------------------|----------------------------------|
| TYPE<br>for intermediate ceilings | COLOUR<br>jet black | L-W-H (MM)<br>147-80-21 | ARTICLE NUMBER(S)<br>048-2698318 |
|-----------------------------------|---------------------|-------------------------|----------------------------------|



#### POWER SUPPLY

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



### Mounting accessories

#### PRIMED CONCRETE MOUNTING HOUSING

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



### Optional electrical accessories

#### DIN RAIL LED DRIVER

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



#### DIN RAIL POWER SUPPLY

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



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### POWER SUPPLY PREWIRED

| TYPE              | ARTICLE NUMBER(S) |
|-------------------|-------------------|
| with junktion box | 002-90790A        |
| with junktion box | 002-90748A        |
| with junktion box | 002-90771A        |
| with junktion box | 002-90742A        |

## Optional electrical accessories

### POWER SUPPLY

| TYPE                       | L·W·H (MM) | ARTICLE NUMBER(S) |
|----------------------------|------------|-------------------|
| with loop through function | 185-30-21  | 002-90770         |
| with loop through function | 185-30-21  | 002-90747         |

