

# SASSO 60 round downlight trimless soft acoustic ceiling

048-2602111M 048-2696198 002-90790



Project / Type

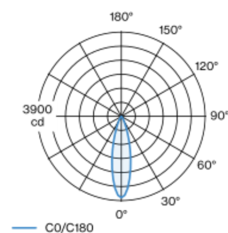
Notes

Count / Date



Round recessed spotlight in die-cast aluminium; 1 lamp; surface black; installation without tools in mounting set due to patented ball catch system; round installation housing; for trimless installation in soft acoustic ceilings; suitable for ceiling thickness of 25-40 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 4000 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 26° beam; UGR  $\leq 16$ ; 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



## General

Ceiling | Recessed

rotation 360°

black | RAL 9005 <sup>1</sup>

front IP44 | back IP20

1030 lm

fixture 96 lm/W <sup>2</sup>

## LED

4000 K

CRI  $\geq 90$

L80 / 50000 h

initial MacAdam  $\leq 2$  SDCM

R<sub>g</sub>: 98 | R<sub>f</sub>: 90 | R<sub>t-15</sub>: 88

MR 0.8 | MDER 0.72

## Optical

medium | beam angle 26°

UGR  $\leq 16$

PstLM  $\leq 1.0$  <sup>3</sup> | SVM  $\leq 0.4$  <sup>3</sup>

## Electrical

DALI-2 | 1 DALI Addr.

PC2 | 220-240 V

system 12.5 W | fixture 10.6 W

36 Vf | 300 mA

## Physical

trimless for acoustic ceiling

diameter 80 mm | height 48 mm

4.8 kg

## Cutout

diameter 74-76 mm

min. ceiling thickness 25 mm | max. ceiling thickness 40 mm

recessed depth 120 mm

<sup>1</sup> RAL code

<sup>2</sup> incl. consideration of optical losses & internal control unit losses

<sup>3</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                            | 72                 |
| B16                            | 115                |
| C10                            | 106                |
| C16                            | 170                |

## Components

### POWER SUPPLY

|                   |
|-------------------|
| ARTICLE NUMBER(S) |
| 002-90790         |

## Mounting accessories

### MOUNTING TOOL

|               |            |                   |
|---------------|------------|-------------------|
| COLOUR        | L-W-H (MM) | ARTICLE NUMBER(S) |
| traffic black | 77-77-35   | 048-2695918       |



## Optional electrical accessories

### DIN RAIL LED DRIVER

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



### DIN RAIL POWER SUPPLY

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



## Optional electrical accessories

### 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        |



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### 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         |

