

# SASSO 100 round wallwasher trim soft acoustic ceiling

048-2740014A 048-2796397 002-90780



Project / Type \_\_\_\_\_

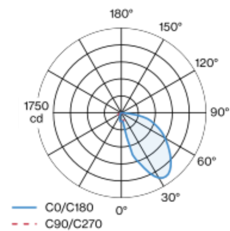
Notes \_\_\_\_\_

Count / Date \_\_\_\_\_



Round recessed spotlight in die-cast aluminium; 1 lamp; surface matt silver; 360° rotatable; installation without tools in mounting set due to patented ball catch system; round installation housing; with trim Signal white; for 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 3000 K; binning initial MacAdam  $\leq 3$  SDCM; CRI  $\geq 90$ ; min. 85% of luminous flux after 50000 operating hours; energy efficient LEDs with high CRI; with specially computed, asymmetrical reflector for homogeneous lighting intensity; high quality reflector with micro-faceted, aluminum-vaporised surface; PC2 220-240V; incl. converter, non dimmable; through wiring connection box, 3-pole or 5-pole, available as an accessory; accessories are listed separately; 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 \_\_\_\_\_

Signal white \_\_\_\_\_

IP20 \_\_\_\_\_

2340 lm \_\_\_\_\_

## LED

3000 K \_\_\_\_\_

CRI  $\geq 90$  \_\_\_\_\_

L85 / 50000 h \_\_\_\_\_

initial MacAdam  $\leq 3$  SDCM \_\_\_\_\_

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

MR 0.61 \_\_\_\_\_

MDER 0.55 \_\_\_\_\_

## Optical

wallwasher \_\_\_\_\_

## Electrical

non DIM \_\_\_\_\_

system 27.8 W \_\_\_\_\_

inset 23.6 W \_\_\_\_\_

36 Vf \_\_\_\_\_

650 mA \_\_\_\_\_

PC2 220-240V \_\_\_\_\_

system 84 lm/W<sup>1</sup> \_\_\_\_\_

inset 99 lm/W<sup>2</sup> \_\_\_\_\_

## Physical

with trim for acoustic ceiling \_\_\_\_\_

diameter 114 mm \_\_\_\_\_

height 96 mm \_\_\_\_\_

0.65 kg \_\_\_\_\_

## Cutout

diameter 100 mm \_\_\_\_\_

min. ceiling thickness 25 mm \_\_\_\_\_

max. ceiling thickness 40 mm \_\_\_\_\_

recessed depth 120 mm \_\_\_\_\_

<sup>1</sup> incl. optical losses and the efficiency of the operating device (converter)

<sup>2</sup> incl. optical losses

## Installation instructions



## Lighting calculator



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## Maintenance Factors

| Operating Time [h] | 10 000                       | 20 000 | 30 000            | 40 000                          | 50 000 |
|--------------------|------------------------------|--------|-------------------|---------------------------------|--------|
| LLMF               | 0.981                        | 0.959  | 0.937             | 0.916                           | 0.895  |
| 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                            | 33                 |
| B16                            | 53                 |
| B20                            | 67                 |
| B25                            | 83                 |
| C10                            | 40                 |
| C16                            | 64                 |
| C20                            | 80                 |
| C25                            | 100                |

## Components

### MOUNTING SET trim for soft acoustic ceilings

|                                    |        |                   |
|------------------------------------|--------|-------------------|
| COLOUR                             | Ø (MM) | ARTICLE NUMBER(S) |
| signal white for acoustic ceilings | 114    | 048-2796397       |



### CONVERTER

|      |            |                   |
|------|------------|-------------------|
| TYPE | L-W-H (MM) | ARTICLE NUMBER(S) |
| 31 W | 143-43-30  | 002-90780         |



## Electrical accessories

### THROUGH WIRING CONNECTION BOX

|                           |            |                   |
|---------------------------|------------|-------------------|
| TYPE                      | L-W-H (MM) | ARTICLE NUMBER(S) |
| non DIM cable ø 4 – 12 mm | 105-58-30  | 005-2531110       |
| DALI cable ø 4 – 12 mm    | 105-58-30  | 005-2551110       |



## Optional electrical accessories

### DIN RAIL POWER SUPPLY

|       |            |                   |
|-------|------------|-------------------|
| TYPE  | L-W-H (MM) | ARTICLE NUMBER(S) |
| 160 W | 72-90-63   | 005-6520210       |



### DIN RAIL LED DRIVER

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

