

# SASSO 100 round wallwasher trim soft acoustic ceiling

048-2740914A 048-2796398 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 traffic black for acoustic ceilings; 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 2700 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; 220-240 V; 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

Mounting set traffic black for acoustic ceilings

IP20

2270 lm

fixture 96 lm/W<sup>1</sup>

## LED

2700 K

CRI  $\geq 90$

L85 / 50000 h

initial MacAdam  $\leq 3$  SDCM

R<sub>g</sub>: 101 , R<sub>r</sub>: 90 , R<sub>t(1-15)</sub>: 88

MR 0.51

MDER 0.46

## Optical

wallwasher

## Electrical

non DIM

220-240 V

system 27.8 W

fixture 23.7 W

36 Vf

650 mA

PC2

## 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> FIXTURE: incl. consideration of optical losses & internal control unit losses SYSTEM: incl. consideration of optical losses, internal control unit losses & operating device efficiency.

## 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) |
| traffic black for acoustic ceilings | 114    | 048-2796398       |



### CONVERTER

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



## Mounting accessories

### MOUNTING TOOL

|               |            |                   |
|---------------|------------|-------------------|
| COLOUR        | L·W·H (MM) | ARTICLE NUMBER(S) |
| traffic black | 104-104-35 | 048-2795910       |



## Electrical accessories

### THROUGH WIRING CONNECTION BOX

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



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### POWER SUPPLY PREWIRED

| TYPE                        | ARTICLE NUMBER(S) |
|-----------------------------|-------------------|
| with junktion box   non DIM | 002-90766A        |
| with junktion box   DALI-2  | 002-90767A        |
| with junktion box   non DIM | 002-90780A        |
| with junktion box   DALI-2  | 002-90789A        |
| with junktion box   non DIM | 002-90774A        |
| with junktion box   DALI-2  | 002-90776A        |

