

# SASSO 100 round adjustable trimless soft acoustic ceiling

048-2720114S 048-2796197 002-90780



Project / Type

Notes

Count / Date



|   |
|---|
| General   |
| Ceiling , Recessed                              |
| tilt max 30°                                    |
| rotation 360°                                   |
| matt silver                                     |
| Mounting set signal white for acoustic ceilings |
| front IP40 , back IP20                          |
| 2180 lm   |

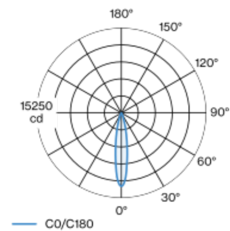
|   |
|---|
| LED   |
| 4000 K  |
| CRI ≥ 90  |
| L80 / 50000 h   |
| initial MacAdam ≤ 2 SDCM  |
| R <sub>g</sub> : 98 , R <sub>r</sub> : 90 , R <sub>t(1-15)</sub> : 88 |
| MR 0.8  |
| MDER 0.72   |

|                |
|----------------|
| Optical        |
| spot           |
| beam angle 18° |
| UGR < 16       |

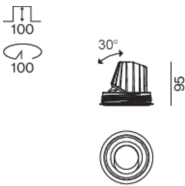
Round recessed spotlight in die-cast aluminium; 1 lamp; surface matt silver; 360° rotatable and 30° tiltable; installation without tools in mounting set due to patented ball catch system; round installation housing; signal white for acoustic ceilings; for trimless installation in soft acoustic ceilings; 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 ≤ 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 18° beam; UGR ≤ 16; degree of protection from below IP40 (from above IP20); PC2; 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;

|                             |
|-----------------------------|
| Electrical                  |
| non DIM                     |
| 220-240 V                   |
| system 26.7 W               |
| inset 22.7 W                |
| 36 Vf                       |
| 650 mA                      |
| PC2                         |
| system 82 lm/W <sup>1</sup> |
| inset 96 lm/W <sup>1</sup>  |

## Light distribution



## Product drawing



|                               |
|-------------------------------|
| Physical                      |
| trimless for acoustic ceiling |
| diameter 114 mm               |
| height 95 mm                  |
| 0.47 kg                       |

|                              |
|------------------------------|
| Cutout                       |
| diameter 100 mm              |
| min. ceiling thickness 25 mm |
| max. ceiling thickness 40 mm |
| recessed depth 100 mm        |

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

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 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 trimless for soft acoustic ceilings

|                                    |        |                   |
|------------------------------------|--------|-------------------|
| COLOUR                             | Ø (MM) | ARTICLE NUMBER(S) |
| signal white for acoustic ceilings | 114    | 048-2796197       |



### CONVERTER

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



## Mounting accessories

### PRIMED CONCRETE MOUNTING HOUSING

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



## 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       |



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**Optical accessories**

**HONEYCOMB LOUVER**

| COLOUR    | Ø (MM) | ARTICLE NUMBER(S) |
|-----------|--------|-------------------|
| jet black | 50     | 007-1965598       |

