

# SASSO 100 round adjustable

trim

048-2720617M 048-279631G 002-90779

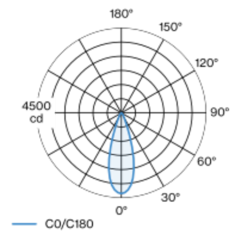


|                |  |
|----------------|--|
| Project / Type |  |
| Notes          |  |
| Count / Date   |  |



Round recessed spotlight in die-cast aluminium; 1 lamp; surface white; 360° rotatable and 30° tiltable; installation without tools in mounting set due to patented ball catch system; round installation housing; with trim white aluminium; 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 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 33° beam; UGR  $\leq 19$ ; degree of protection from below IP40 (from above IP20); PC2 220-240V; incl. DALI-2 converter; 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           |  |
| tilt max 30°                 |  |
| rotation 360°                |  |
| white , RAL9016 <sup>1</sup> |  |
| Mounting set white aluminium |  |
| front IP40 , back IP20       |  |
| 1590 lm                      |  |

## LED

|  |  |
|--|--|
| 4000 K   |  |
| CRI $\geq 90$  |  |
| L80 / 50000 h  |  |
| initial MacAdam $\leq 2$ SDCM  |  |
| R <sub>g</sub> : 97 , R <sub>r</sub> : 90 , R <sub>(1-15)</sub> : 89 |  |
| MR 0.81  |  |
| MDER 0.74  |  |

## Optical

|                               |  |
|-------------------------------|--|
| medium                        |  |
| beam angle 33°                |  |
| UGR $< 19$                    |  |
| PstLM $\leq 1.0$ <sup>2</sup> |  |
| SVM $\leq 0.4$ <sup>2</sup>   |  |

## Electrical

|                            |  |
|----------------------------|--|
| DALI-2                     |  |
| 20.2 W                     |  |
| inset 17.2 W               |  |
| 36 Vf                      |  |
| 500 mA                     |  |
| PC2 220-240V               |  |
| 79 lm/W <sup>3</sup>       |  |
| inset 93 lm/W <sup>4</sup> |  |
| 1 DALI Addr.               |  |

## Physical

|                 |  |
|-----------------|--|
| trim            |  |
| diameter 118 mm |  |
| height 95 mm    |  |
| 0.5 kg          |  |

## Cutout

|                              |  |
|------------------------------|--|
| diameter 108 mm              |  |
| min. ceiling thickness 2 mm  |  |
| max. ceiling thickness 25 mm |  |
| recessed depth 100 mm        |  |

<sup>1</sup> RAL code <sup>2</sup> Value of containing product at full load (undimmed)  
<sup>3</sup> incl. optical losses and the efficiency of the operating device (converter)  
<sup>4</sup> incl. optical losses

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Installation instructions



Lighting calculator



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## Maintenance Factors

| Operating Time [h] | 10 000                       | 20 000 | 30 000            | 40 000                          | 50 000 |
|--------------------|------------------------------|--------|-------------------|---------------------------------|--------|
| LLMF               | 0.96                         | 0.92   | 0.88              | 0.85                            | 0.81   |
| 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                            | 18                 |
| B16                            | 30                 |
| C10                            | 23                 |
| C16                            | 36                 |

## Components

### MOUNTING SET with trim 1 lamp

| TYPE                      | COLOUR          | Ø (MM) | ARTICLE NUMBER(S) |
|---------------------------|-----------------|--------|-------------------|
| for intermediate ceilings | white aluminium | 118    | 048-279631G       |



### CONVERTER

| TYPE | L-W-H (MM) | ARTICLE NUMBER(S) |
|------|------------|-------------------|
| 26 W | 143-43-30  | 002-90779         |



## Mounting accessories

### THROUGH WIRING CONNECTION BOX

| TYPE                      | L-W-H (MM) | ARTICLE NUMBER(S) |
|---------------------------|------------|-------------------|
| non DIM cable ø 4 – 12 mm | 105-58-30  | 005-253110        |
| DALI cable ø 4 – 12 mm    | 105-58-30  | 005-255110        |



## Mounting accessories

### PRIMED CONCRETE MOUNTING HOUSING

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



## 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       |

