

# SASSO 100 round adjustable

trim 2 lamps

048-2720219S 048-2798318 002-90767

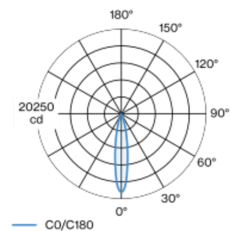


|                |  |
|----------------|--|
| Project / Type |  |
| Notes          |  |
| Count / Date   |  |



Round recessed spotlight in die-cast aluminium; 2 lamps; surface gold; 360° rotatable and 30° tiltable; installation without tools in mounting set due to patented ball catch system; oval installation housing; with trim jet black; 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 3500 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 18° beam; UGR  $\leq 13$ ; VDU compatible workplace luminaire according to DIN EN 12464-1; luminance above 65°  $\leq 3000$  cd/m<sup>2</sup>; 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°                |  |
| gold , RAL260-M <sup>1</sup> |  |
| Mounting set jet black       |  |
| front IP40 , back IP20       |  |
| 2960 lm                      |  |

## LED

|   |  |
|---|--|
| 3500 K  |  |
| CRI $\geq 90$   |  |
| L80 / 50000 h   |  |
| initial MacAdam $\leq 2$ SDCM   |  |
| R <sub>g</sub> : 99 , R <sub>r</sub> : 90 , R <sub>t(1-15)</sub> : 89 |  |
| MR 0.7  |  |
| MDER 0.64   |  |

## Optical

|   |  |
|---|--|
| spot  |  |
| beam angle 18°  |  |
| UGR $< 13$ , $\geq 65^\circ$ $< 3000$ cd/m <sup>2</sup> |  |
| PstLM $\leq 1.0$ <sup>2</sup>                           |  |
| SVM $\leq 0.4$ <sup>2</sup>                             |  |

## Electrical

|                             |  |
|-----------------------------|--|
| DALI-2                      |  |
| system 35 W                 |  |
| inset 15.2 W                |  |
| 36 Vf                       |  |
| 450 mA                      |  |
| total insets 30 W           |  |
| PC2 220-240V                |  |
| system 85 lm/W <sup>3</sup> |  |
| inset 97 lm/W <sup>4</sup>  |  |
| 1 DALI Addr.                |  |

## Physical

|               |  |
|---------------|--|
| trim          |  |
| length 218 mm |  |
| width 118 mm  |  |
| height 95 mm  |  |
| 0.6 kg        |  |

## Cutout

|                              |  |
|------------------------------|--|
| diameter 105 mm              |  |
| length 205 mm                |  |
| width 105 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               | 0.964                        | 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                            | 18                 |
| B16                            | 30                 |
| C10                            | 23                 |
| C16                            | 36                 |

## Components

### MOUNTING SET with trim 2 lamps

| TYPE                      | COLOUR    | L-W-H (MM) | ARTICLE NUMBER(S) |
|---------------------------|-----------|------------|-------------------|
| for intermediate ceilings | jet black | 218-118-35 | 048-2798318       |



## 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       |



## Optical accessories

### HONEYCOMB LOUVER

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

