

# SASSO 100 round adjustable

trim 2 lamps

048-2720419M 048-2798318 002-90776

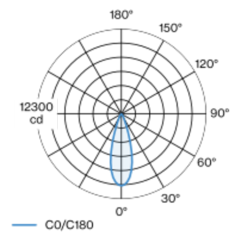


|                |
|----------------|
| Project / Type |
| Notes          |
| Count / Date   |

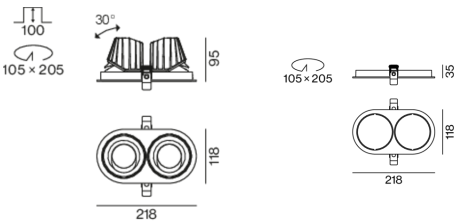


Round recessed spotlight in die-cast aluminium; 2 lamps; surface gold; 360° rotatable and 30° tiltable; installation without tools in mounting set due to patented ball catch system; oval installation housing; with trim jet black; suitable for ceiling thickness of 2-25 mm; passive cooling of the LEDs through improved heat sink geometry; with COB (Chip on Board) technology for maximum efficiency; no appearance of multiple shadows; light colour 2700 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 32° beam; UGR  $\leq 16$ ; 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       |
| 3540 lm                      |

## LED

|   |
|---|
| 2700 K  |
| CRI $\geq 90$   |
| L80 / 50000 h   |
| initial MacAdam $\leq 2$ SDCM   |
| R <sub>g</sub> : 99 , R <sub>r</sub> : 91 , R <sub>t(1-15)</sub> : 89 |
| MR 0.53   |
| MDER 0.48   |

## Optical

|   |
|---|
| medium  |
| beam angle 32°  |
| UGR $< 16$ , $\geq 65^\circ$ $< 3000$ cd/m <sup>2</sup> |
| PstLM $\leq 1.0$ <sup>2</sup>                           |
| SVM $\leq 0.4$ <sup>2</sup>                             |

## Electrical

|                   |
|-------------------|
| DALI-2            |
| 58 W              |
| inset 24.8 W      |
| 36 Vf             |
| 700 mA            |
| total insets 50 W |
| PC2 220-240V      |
| 61 lm/W           |
| inset 71 lm/W     |
| 1 DALI Addr.      |

## Physical

|               |
|---------------|
| trim          |
| length 218 mm |
| width 118 mm  |
| height 95 mm  |
| 0.59 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)



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Project / Type

Notes

Count / Date

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   | 0.89  | 0.85   | 0.82   |
| 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       |



### CONVERTER

| TYPE | L-W-H (MM) | ARTICLE NUMBER(S) |
|------|------------|-------------------|
| 38 W | 147-44-30  | 002-90776         |



## Mounting accessories

### THROUGH WIRING CONNECTION BOX

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

