

# SASSO 60 round adjustable

trim 2 lamps

048-2622911F 048-269831G 002-90771

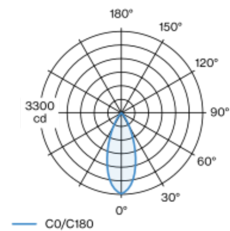


|                |
|----------------|
| Project / Type |
| Notes          |
| Count / Date   |



Round recessed spotlight in die-cast aluminium; 2 lamps; surface black; 360° rotatable and 30° tiltable; installation without tools in mounting set due to patented ball catch system; oval 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 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 40° beam; UGR  $\leq 19$ ; VDU compatible workplace luminaire according to DIN EN 12464-1; luminance above 65°  $\leq 1500$  cd/m<sup>2</sup>; degree of protection from below IP40 (from above IP20); PC2; 220-240 V; incl. converter, non dimmable; 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°                 |
| black   RAL 9005 <sup>1</sup> |
| Mounting set white aluminium  |
| front IP40   back IP20        |
| 1690 lm                       |
| fixture 79 lm/W <sup>2</sup>  |

## LED

|   |
|---|
| 2700 K  |
| CRI $\geq 90$   |
| L80 / 50000 h   |
| initial MacAdam $\leq 2$ SDCM   |
| R <sub>g</sub> : 97   R <sub>f</sub> : 91   R <sub>f(1-15)</sub> : 87 |
| MR 0.52   MDER 0.47   |

## Optical

|   |
|---|
| flood   beam angle 40°                                      |
| UGR $\leq 19$   $\geq 65^\circ$ $<1500$ cd/m <sup>2</sup>   |
| PstLM $\leq 1.0$ <sup>3</sup>   SVM $\leq 0.4$ <sup>3</sup> |

## Electrical

|                                |
|--------------------------------|
| non DIM                        |
| PC2   220-240 V                |
| system 25.0 W   fixture 10.6 W |
| 36 Vf   300 mA                 |
| fixture 21.3 W                 |

## Physical

|  |
|--|
| trim                                       |
| length 147 mm   width 80 mm   height 48 mm |
| 0.3 kg                                     |

## Cutout

|  |
|--|
| diameter 70 mm   length 70 mm   width 136 mm               |
| min. ceiling thickness 2 mm   max. ceiling thickness 25 mm |
| recessed depth 90 mm                                       |

<sup>1</sup> RAL code  
<sup>2</sup> incl. consideration of optical losses & internal control unit losses  
<sup>3</sup> Value of containing product at full load (undimmed)

## 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 Factor                          |        |        |

<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                            | 43                 |
| B13                            | 55                 |
| B16                            | 68                 |
| B20                            | 85                 |
| C10                            | 72                 |
| C13                            | 94                 |
| C16                            | 116                |
| C20                            | 145                |

## Components

### MOUNTING SET with trim 2 lamps

| TYPE                      | COLOUR          | L-W-H (MM) | ARTICLE NUMBER(S) |
|---------------------------|-----------------|------------|-------------------|
| for intermediate ceilings | white aluminium | 147-80-21  | 048-269831G       |



### POWER SUPPLY

| TYPE | L-W-H (MM) | ARTICLE NUMBER(S) |
|------|------------|-------------------|
| 13 W | 85-40-22   | 002-90771         |



## 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 LED DRIVER

| TYPE                           | L-W-H (MM) | ARTICLE NUMBER(S) |
|--------------------------------|------------|-------------------|
| DALI-2   200-1050 mA   2 x 42W | 36-88-59   | 005-6121030       |



### DIN RAIL POWER SUPPLY

| TYPE  | L-W-H (MM) | ARTICLE NUMBER(S) |
|-------|------------|-------------------|
| 160 W | 72-90-63   | 005-6520210       |



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## Optional electrical accessories

### POWER SUPPLY PREWIRED

| TYPE                        | ARTICLE NUMBER(S) |
|-----------------------------|-------------------|
| with junktion box   DALI-2  | 002-90790A        |
| with junktion box   DALI-2  | 002-90748A        |
| with junktion box   non DIM | 002-90771A        |
| with junktion box   non DIM | 002-90742A        |

## Optional electrical accessories

### POWER SUPPLY

| TYPE                       | L·W·H (MM) | ARTICLE NUMBER(S) |
|----------------------------|------------|-------------------|
| with loop through function | 185-30-21  | 002-90770         |
| with loop through function | 185-30-21  | 002-90747         |

