

# SASSO 40 round adjustable

trim

048-2820411F 048-2896318 002-90753

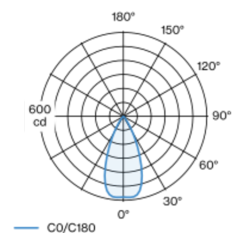


|                |
|----------------|
| Project / Type |
| Notes          |
| Count / Date   |



Round recessed spotlight in die-cast aluminium; surface black; 360° rotatable and 30° tiltable; installation without tools in mounting set due to patented ball catch system; round 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  $\leq 3$  SDCM; CRI  $\geq 90$ ; min. 85% of luminous flux after 50000 operating hours; energy efficient LEDs with high CRI; incl. high quality lens system; precise radiation characteristic with 46° 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; 220-240 V; incl. DALI-2 converter; 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 jet black        |
| front IP40 , back IP20        |
| 358 lm                        |
| fixture 70 lm/W <sup>2</sup>  |

## LED

|  |
|--|
| 2700 K   |
| CRI $\geq 90$  |
| L85 / 50000 h  |
| initial MacAdam $\leq 3$ SDCM  |
| R <sub>g</sub> : 99 , R <sub>f</sub> : 91 , R <sub>(1-15)</sub> : 89 |
| MR 0.54  |
| MDER 0.49  |

## Optical

|  |
|--|
| flood  |
| beam angle 46°   |
| UGR $\leq 16$ , $\geq 65^\circ$ $< 3000$ cd/m <sup>2</sup> |
| PstLM $\leq 1.0$ <sup>3</sup>                              |
| SVM $\leq 0.4$ <sup>3</sup>                                |

## Electrical

|               |
|---------------|
| DALI-2        |
| 220-240 V     |
| system 6.2 W  |
| fixture 5.1 W |
| 12 Vf         |
| 450 mA        |
| PC2           |

## Physical

|                |
|----------------|
| trim           |
| diameter 60 mm |
| height 50 mm   |
| 0.59 kg        |

## Cutout

|                              |
|------------------------------|
| diameter 56 mm               |
| min. ceiling thickness 2 mm  |
| max. ceiling thickness 25 mm |
| recessed depth 120 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)



# SASSO 40 round adjustable

trim

048-2820411F 048-2896318 002-90753



Project / Type

Notes

Count / Date

Installation instructions



Lighting calculator



# SASSO 40 round adjustable

trim

048-2820411F 048-2896318 002-90753



Project / Type

Notes

Count / Date

## Maintenance Factors

| Operating Time [h] | 10 000                       | 20 000 | 30 000            | 40 000                          | 50 000 |
|--------------------|------------------------------|--------|-------------------|---------------------------------|--------|
| LLMF               | 0.97                         | 0.94   | 0.91              | 0.88                            | 0.85   |
| 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                            | 72                 |
| B16                            | 115                |
| C10                            | 106                |
| C16                            | 170                |

## Components

### MOUNTING SET with trim 1 lamp

| TYPE                      | COLOUR    | Ø (MM) | ARTICLE NUMBER(S) |
|---------------------------|-----------|--------|-------------------|
| for intermediate ceilings | jet black | 60     | 048-2896318       |



### POWER SUPPLY

| L-W-H (MM) | ARTICLE NUMBER(S) |
|------------|-------------------|
| 147-33-23  | 002-90753         |

## 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       |



## Optional electrical accessories

### POWER SUPPLY PREWIRED

| TYPE                       | ARTICLE NUMBER(S) |
|----------------------------|-------------------|
| with junktion box   DALI-2 | 002-90750A        |
| with junktion box   DALI-2 | 002-90749A        |

## Optional electrical accessories

### POWER SUPPLY

| TYPE                       | L-W-H (MM) | ARTICLE NUMBER(S) |
|----------------------------|------------|-------------------|
| with loop through function | 185-30-21  | 002-90750         |
| with loop through function |            | 002-90749         |

