

# SASSO 40 round downlight trim soft acoustic ceiling

048-2800517S 048-2896398 002-90752



Project / Type

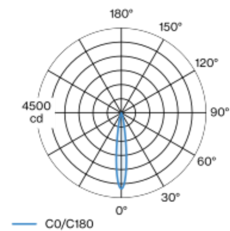
Notes

Count / Date



Round recessed spotlight in die-cast aluminium; surface traffic white; installation without tools in mounting set due to patented ball catch system; round installation housing; with trim jet black; for installation in soft acoustic ceilings; 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 3000 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 15° beam; UGR  $\leq 10$ ; 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 IP44 (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                    |
| rotation 360°                         |
| traffic white   RAL 9016 <sup>1</sup> |
| Mounting set jet black                |
| front IP44   back IP20                |
| 401 lm                                |
| fixture 78 lm/W <sup>2</sup>          |

## LED

|  |
|--|
| 3000 K   |
| CRI $\geq 90$  |
| L85 / 50000 h  |
| initial MacAdam $\leq 3$ SDCM  |
| R <sub>g</sub> : 98   R <sub>r</sub> : 91   R <sub>(1-15)</sub> : 89 |
| MR 0.6   MDER 0.55   |

## Optical

|   |
|---|
| spot   beam angle 15°                                       |
| UGR $\leq 10$   $\geq 65^\circ < 1500$ 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 6.2 W   fixture 5.1 W |
| 12 Vf   450 mA               |

## Physical

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

## Cutout

|  |
|--|
| diameter 58 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)

## Installation instructions



## Lighting calculator



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### Maintenance Factors

| Operating Time [h] | 10 000                       | 20 000 | 30 000            | 40 000                          | 50 000 |
|--------------------|------------------------------|--------|-------------------|---------------------------------|--------|
| LLMF               | 0.98                         | 0.95   | 0.92              | 0.89                            | 0.86   |
| 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                            | 39                 |
| B13                            | 63                 |
| B16                            | 79                 |
| C10                            | 63                 |
| C13                            | 101                |
| C16                            | 126                |

### Components

#### MOUNTING SET trim for soft acoustic ceilings

|           |        |                   |
|-----------|--------|-------------------|
| COLOUR    | Ø (MM) | ARTICLE NUMBER(S) |
| jet black | 64     | 048-2896398       |



#### POWER SUPPLY

|            |                   |
|------------|-------------------|
| L-W-H (MM) | ARTICLE NUMBER(S) |
| 65-39-20   | 002-90752         |

### Optional electrical accessories

#### DIN RAIL POWER SUPPLY

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



#### DIN RAIL LED DRIVER

|                              |            |                   |
|------------------------------|------------|-------------------|
| TYPE                         | L-W-H (MM) | ARTICLE NUMBER(S) |
| 2×42W   48V DC   UOUT 10–40V | 36-88-59   | 005-6121030       |

