

# SASSO 60 round downlight

trim 2 lamps

048-2602911M 048-2698318 002-90771



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



Round recessed spotlight in die-cast aluminium; 2 lamps; surface black; 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 26° beam; UGR  $\leq 16$ ; 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°                 |  |
| black , RAL 9005 <sup>1</sup> |  |
| Mounting set jet black        |  |
| front IP44 , back IP20        |  |
| 1890 lm                       |  |
| fixture 89 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>r</sub> : 91 , R <sub>(1-15)</sub> : 87 |  |
| MR 0.52  |  |
| MDER 0.47  |  |

## Optical

|                               |  |
|-------------------------------|--|
| medium                        |  |
| beam angle 26°                |  |
| UGR $\leq 16$                 |  |
| PstLM $\leq 1.0$ <sup>3</sup> |  |
| SVM $\leq 0.4$ <sup>3</sup>   |  |

## Electrical

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

## Physical

|               |  |
|---------------|--|
| trim          |  |
| length 147 mm |  |
| width 80 mm   |  |
| height 48 mm  |  |
| 0.28 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)



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

## Components

### MOUNTING SET with trim 2 lamps

|                                   |                     |                         |                                  |
|-----------------------------------|---------------------|-------------------------|----------------------------------|
| TYPE<br>for intermediate ceilings | COLOUR<br>jet black | L-W-H (MM)<br>147-80-21 | ARTICLE NUMBER(S)<br>048-2698318 |
|-----------------------------------|---------------------|-------------------------|----------------------------------|



### POWER SUPPLY

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



## Mounting accessories

### PRIMED CONCRETE MOUNTING HOUSING

|                           |                           |                                  |
|---------------------------|---------------------------|----------------------------------|
| COLOUR<br>white aluminium | L-W-H (MM)<br>614-307-120 | ARTICLE NUMBER(S)<br>048-2695110 |
|---------------------------|---------------------------|----------------------------------|



## Optional electrical accessories

### DIN RAIL LED DRIVER

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



### DIN RAIL POWER SUPPLY

|               |                        |                                  |
|---------------|------------------------|----------------------------------|
| TYPE<br>160 W | L-W-H (MM)<br>72-90-63 | ARTICLE NUMBER(S)<br>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         |

