

# SASSO PRO 100

## adjustable flush trim square

048-2412637W 052-1942418

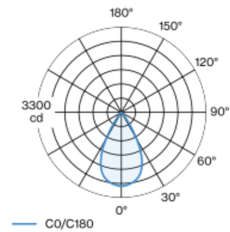


|                |  |
|----------------|--|
| Project / Type |  |
| Notes          |  |
| Count / Date   |  |

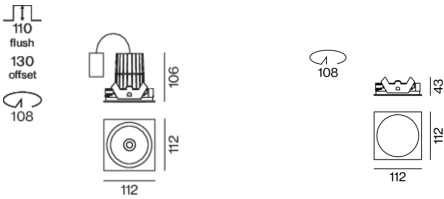


Round recessed spotlight in die-cast aluminium; surface white powder coated; 360° rotatable and 35° tiltale; installation without tools in mounting set due to patented ball catch system; square installation housing; with trim jet black; suitable for ceiling thickness of 5-25 mm; passive cooling of the LEDs through improved heat sink geometry; with COB (Chip on Board) technology for maximum efficiency; no appearance of multiple shadows; light colour 4000 K; binning initial MacAdam  $\leq 3$  SDCM; CRI  $\geq 90$ ; min. 80% of luminous flux after 50000 operating hours; energy efficient LEDs with high CRI; including high quality reflector made of plastic with spherical reflector; aluminium, vapour deposition coated; neutral colour reflection through absolute freedom from interference colour; for brilliant object staging; precise radiation characteristic with 57° beam; installed and exchanged without tools; optical attachments available as accessories; accessories are listed separately; degree of protection IP20; PC2; 220-240 V; incl. DALI-2 converter; converter wired secondary side; through wiring connection box, 3-pole or 5-pole, available as an accessory; light source replaceable by an authorized professional; control gear replaceable by an authorized professional;

### Light distribution



### Product drawing



### General

|                               |  |
|-------------------------------|--|
| Ceiling , Recessed            |  |
| tilt max 35°                  |  |
| rotation 360°                 |  |
| white , RAL 9016 <sup>1</sup> |  |
| Mounting set jet black        |  |
| IP20                          |  |
| 2280 lm                       |  |

### LED

|  |  |
|--|--|
| 4000 K   |  |
| CRI $\geq 90$  |  |
| L80 / 50000 h  |  |
| initial MacAdam $\leq 3$ SDCM  |  |
| R <sub>g</sub> : 97 , R <sub>r</sub> : 89 , R <sub>(1-15)</sub> : 91 |  |
| MR 0.85  |  |
| MDER 0.77  |  |

### Optical

|                               |  |
|-------------------------------|--|
| wide flood                    |  |
| beam angle 57°                |  |
| PstLM $\leq 1.0$ <sup>2</sup> |  |
| SVM $\leq 0.4$ <sup>2</sup>   |  |

### Electrical

|                             |  |
|-----------------------------|--|
| DALI-2                      |  |
| 220-240 V                   |  |
| system 27.0 W               |  |
| system 84 lm/W <sup>3</sup> |  |
| PC2                         |  |
| 1 DALI Addr.                |  |

### Physical

|               |  |
|---------------|--|
| trim          |  |
| length 112 mm |  |
| width 112 mm  |  |
| height 106 mm |  |
| 0.62 kg       |  |

### Cutout

|                              |  |
|------------------------------|--|
| diameter 108 mm              |  |
| min. ceiling thickness 5 mm  |  |
| max. ceiling thickness 25 mm |  |
| recessed depth 110 mm        |  |

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

### Installation instructions



### Lighting calculator



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### Maintenance Factors

| Operating Time [h] | 10 000                       | 20 000 | 30 000            | 40 000 | 50 000                          |
|--------------------|------------------------------|--------|-------------------|--------|---------------------------------|
| LLMF               | 0.95                         | 0.91   | 0.87              | 0.83   | 0.8                             |
| 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                            | 18                 |
| B16                            | 30                 |
| C10                            | 23                 |
| C16                            | 36                 |

### Components

#### MOUNTING SET

| TYPE         | COLOUR    | L-W-H (MM) | ARTICLE NUMBER(S) |
|--------------|-----------|------------|-------------------|
| square flush | jet black | 112-112-43 | 052-1942418       |



### Mounting accessories

#### THROUGH WIRING CONNECTION BOX

| TYPE                                     | L-W-H (MM) | ARTICLE NUMBER(S) |
|--|------------|-------------------|
| non DIM cable ø 4 – 12 mm, Linect®-Ready | 105-58-30  | 005-2531110       |
| DALI cable ø 4 – 12 mm, Linect®-Ready    | 105-58-30  | 005-2551110       |



### Mounting accessories

#### PRIMED CONCRETE MOUNTING HOUSING

| L-W-H (MM)  | ARTICLE NUMBER(S) |
|-------------|-------------------|
| 240-400-130 | 052-1914420       |



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### Optical accessories

#### HONEYCOMB LOUVER

| COLOUR        | Ø (MM) | ARTICLE NUMBER(S) |
|---------------|--------|-------------------|
| traffic white | 74     | 048-2191317       |
| jet black     | 74     | 048-2191318       |



#### LINEAR PRISMATIC LENS

| COLOUR        | Ø (MM) | ARTICLE NUMBER(S) |
|---------------|--------|-------------------|
| traffic white | 74     | 048-2192317       |
| jet black     | 74     | 048-2192318       |



#### SNOOT

| COLOUR        | Ø (MM) | ARTICLE NUMBER(S) |
|---------------|--------|-------------------|
| traffic white | 74     | 048-2191117       |
| jet black     | 74     | 048-2191118       |



#### SNOOT WITH HONEYCOMB LOUVER

| COLOUR        | Ø (MM) | ARTICLE NUMBER(S) |
|---------------|--------|-------------------|
| traffic white | 74     | 048-2191217       |
| jet black     | 74     | 048-2191218       |

