

# SASSO PRO 100

## adjustable offset trim square

048-2413637F 052-1952417



Project / Type \_\_\_\_\_

Notes \_\_\_\_\_

Count / Date \_\_\_\_\_



|                              |
|------------------------------|
| <b>General</b>               |
| Ceiling , Recessed           |
| tilt max 35°                 |
| rotation 360°                |
| white , RAL9016 <sup>1</sup> |
| Mounting set traffic white   |
| IP20                         |
| 2840 lm                      |

|  |
|--|
| <b>LED</b>   |
| 4000 K   |
| CRI ≥ 90   |
| L90 / 50000 h  |
| R <sub>g</sub> : 97 , R <sub>f</sub> : 89 , R <sub>(f-ls)</sub> : 91 |
| MR 0.85  |
| MDER 0.77  |

|                          |
|--------------------------|
| <b>Optical</b>           |
| flood                    |
| beam angle 39°           |
| PstLM ≤ 1.0 <sup>2</sup> |
| SVM ≤ 0.4 <sup>2</sup>   |

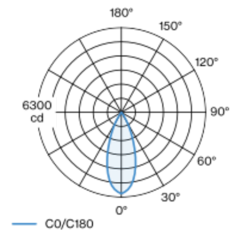
Round recessed spotlight in die-cast aluminium with recessed luminaire plane; surface white powder coated; 360° rotatable and 35° tiltable; installation without tools in mounting set due to patented ball catch system; square installation housing; with trim traffic white; suitable for ceiling thickness 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; CRI ≥ 90; min. 90% 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 39° beam; installed and exchanged without tools; optical attachments available as accessories; accessories are listed separately; degree of protection IP20; PC2 220-240V; 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;

|                   |
|-------------------|
| <b>Electrical</b> |
| DALI-2            |
| 27.0 W            |
| PC2 220-240V      |
| 105 lm/W          |
| 1 DALI Addr.      |

|                 |
|-----------------|
| <b>Physical</b> |
| trim            |
| length 112 mm   |
| width 112 mm    |
| height 106 mm   |
| 0.6 kg          |

|                              |
|------------------------------|
| <b>Cutout</b>                |
| diameter 108 mm              |
| min. ceiling thickness 5 mm  |
| max. ceiling thickness 25 mm |
| recessed depth 130 mm        |

### Light distribution



flood 39°

| h (m) | E0° (lx) | ø (m) |
|-------|----------|-------|
| 1     | 6050     | 0.71  |
| 2     | 1510     | 1.42  |
| 3     | 670      | 2.13  |
| 4     | 380      | 2.84  |
| 5     | 240      | 3.54  |

### Product drawing



<sup>1</sup> RAL code <sup>2</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                         | 0.96   | 0.94              | 0.92                            | 0.9    |
| 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                            | 18                 |
| B16                            | 30                 |
| C10                            | 23                 |
| C16                            | 36                 |

### Components

#### MOUNTING SET

| TYPE                | COLOUR        | L-W-H (MM) | ARTICLE NUMBER(S) |
|---------------------|---------------|------------|-------------------|
| square offset 17 mm | traffic white | 112-112-43 | 052-1952417       |



### Mounting accessories

#### THROUGH WIRING CONNECTION BOX

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

