

# SASSO PRO 100

## adjustable offset trim round

048-2413618M 052-1932447



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



|                               |
|-------------------------------|
| <b>General</b>                |
| Ceiling , Recessed            |
| tilt max 35°                  |
| rotation 360°                 |
| black , RAL 9005 <sup>1</sup> |
| Mounting set traffic white    |
| IP20                          |
| 2740 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>           |
| medium                   |
| beam angle 26°           |
| PstLM ≤ 1.0 <sup>2</sup> |
| SVM ≤ 0.4 <sup>2</sup>   |

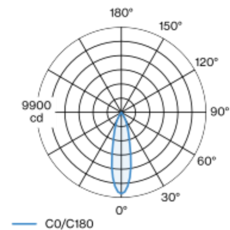
Round recessed spotlight in die-cast aluminium with recessed luminaire plane; surface black powder coated; 360° rotatable and 35° tiltable; installation without tools in mounting set due to patented ball catch system; round installation housing; with trim traffic white; suitable for ceiling thickness 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 26° beam; installed and exchanged without tools; optical attachments available as accessories; accessories are listed separately; degree of protection IP20; PC2; 220-240 V; incl. converter, non dimmable; 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>            |
| non DIM                      |
| 220-240 V                    |
| system 27.0 W                |
| system 101 lm/W <sup>3</sup> |
| PC2                          |

|                 |
|-----------------|
| <b>Physical</b> |
| trim            |
| diameter 112 mm |
| height 106 mm   |
| 0.59 kg         |

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

### Light distribution



| medium 26° |          |       |
|------------|----------|-------|
| h (m)      | E0° (lx) | ø (m) |
| 1          | 9440     | 0.47  |
| 2          | 2360     | 0.93  |
| 3          | 1050     | 1.40  |
| 4          | 590      | 1.86  |
| 5          | 380      | 2.33  |

### Product drawing



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

### Installation instructions



### Lighting calculator



# SASSO PRO 100

## adjustable offset trim round

048-2413618M 052-1932447



Project / Type

Notes

Count / Date

### 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                            | 20                 |
| B16                            | 32                 |
| C10                            | 33                 |
| C16                            | 53                 |

### Components

#### MOUNTING SET

| TYPE               | COLOUR        | Ø (MM) | ARTICLE NUMBER(S) |
|--------------------|---------------|--------|-------------------|
| round offset 17 mm | traffic white | 112    | 052-1932447       |



#### 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       |



# SASSO PRO 100

## adjustable offset trim round

048-2413618M 052-1932447



Project / Type

Notes

Count / Date

### 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       |

