

# SASSO PRO 100

## adjustable flush trim round

048-2411E38F 052-1922447



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



Round recessed spotlight in die-cast aluminium; 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; CWD (Colour Warm Dimming) of 2000K - 3000K; binning initial MacAdam  $\leq 4$  SDCM; CRI  $\geq 95$ ; 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 36° 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; with colour warm dimming a step-less change of colour temperature occurs simultaneously with a reduction in light intensity; similar to the dimming characteristic of an incandescent lamp; reducing the illuminance enables a very warm tone; 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



flood 36°

| h (m) | E0° (lx) | ø (m) |
|-------|----------|-------|
| 1     | 2120     | 0.65  |
| 2     | 530      | 1.31  |
| 3     | 240      | 1.96  |
| 4     | 130      | 2.61  |
| 5     | 80       | 3.27  |

### Product drawing



### General

|                               |  |
|-------------------------------|--|
| Ceiling , Recessed            |  |
| tilt max 35°                  |  |
| rotation 360°                 |  |
| black , RAL 9005 <sup>1</sup> |  |
| Mounting set traffic white    |  |
| IP20                          |  |
| 853 lm                        |  |

### LED

|  |  |
|--|--|
| colour warm dimming  |  |
| 2000 K - 3000 K  |  |
| CRI $\geq 95$  |  |
| L80 / 50000 h  |  |
| initial MacAdam $\leq 4$ SDCM  |  |
| R <sub>g</sub> : 100 , R <sub>f</sub> : 91 , R <sub>f(1-15)</sub> : 90 |  |
| MR 0.61  |  |
| MDER 0.55  |  |

### Optical

|                               |  |
|-------------------------------|--|
| flood                         |  |
| beam angle 36°                |  |
| PstLM $\leq 1.0$ <sup>2</sup> |  |
| SVM $\leq 0.4$ <sup>2</sup>   |  |

### Electrical

|                             |  |
|-----------------------------|--|
| DALI-2                      |  |
| 220-240 V                   |  |
| system 14.9 W               |  |
| system 57 lm/W <sup>3</sup> |  |
| PC2                         |  |
| 1 DALI Addr.                |  |

### Physical

|                 |  |
|-----------------|--|
| trim            |  |
| diameter 112 mm |  |
| height 106 mm   |  |
| 0.6 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> 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



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### Maintenance Factors

| Operating Time [h] | 10 000                       | 20 000 | 30 000  | 40 000 | 50 000 |
|--------------------|------------------------------|--------|---|--------|--------|
| LLMF               | 0.91                         | 0.9    | 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 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                            | 22                 |
| B13                            | 30                 |
| B16                            | 36                 |
| B20                            | 46                 |
| C10                            | 36                 |
| C13                            | 50                 |
| C16                            | 60                 |
| C20                            | 76                 |

### Components

#### MOUNTING SET

| TYPE        | COLOUR        | Ø (MM) | ARTICLE NUMBER(S) |
|-------------|---------------|--------|-------------------|
| round flush | traffic white | 112    | 052-1922447       |



### 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       |



[048-2411E38F 052-1922447] The technical data represent rated values for an ambient temperature of 25°C. The data values for the luminous flux are initially subject to a tolerance of +/- 10%, those for the electrical connected load are initially subject to a tolerance of +/- 10%, and those for the colour temperature are initially subject to a tolerance of +/- 150 K. No liability is assumed for typographical or printing errors. The general terms and conditions of XAL GmbH apply.

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2 / 3

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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       |

