

# SASSO PRO 80 adjustable flush trim square

048-2312638F 052-1942318



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



## General

|                               |  |
|-------------------------------|--|
| Ceiling , Recessed            |  |
| tilt max 35°                  |  |
| rotation 360°                 |  |
| black , RAL 9005 <sup>1</sup> |  |
| Mounting set jet black        |  |
| IP20                          |  |
| 1080 lm                       |  |

## LED

|                                                                      |  |
|----------------------------------------------------------------------|--|
| 4000 K                                                               |  |
| CRI ≥ 90                                                             |  |
| L90 / 50000 h                                                        |  |
| initial MacAdam ≤ 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

|                          |  |
|--------------------------|--|
| flood                    |  |
| beam angle 37°           |  |
| PstLM ≤ 1.0 <sup>2</sup> |  |
| SVM ≤ 0.4 <sup>2</sup>   |  |

## Electrical

|                             |  |
|-----------------------------|--|
| DALI-2                      |  |
| 220-240 V                   |  |
| system 12.2 W               |  |
| system 89 lm/W <sup>3</sup> |  |
| PC2                         |  |

## Physical

|              |  |
|--------------|--|
| trim         |  |
| length 98 mm |  |
| width 98 mm  |  |
| height 83 mm |  |
| 0.43 kg      |  |

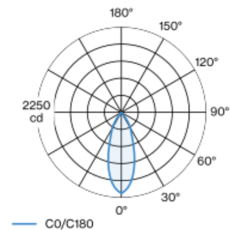
## Cutout

|                              |  |
|------------------------------|--|
| diameter 92 mm               |  |
| min. ceiling thickness 2 mm  |  |
| max. ceiling thickness 25 mm |  |
| recessed depth 110 mm        |  |

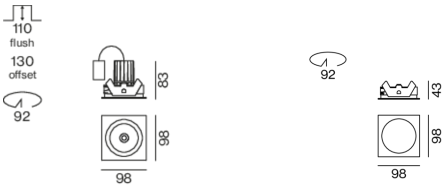
<sup>1</sup> RAL code <sup>2</sup> Value of containing product at full load (undimmed)  
<sup>3</sup> FIXTURE: incl. consideration of optical losses & internal control unit losses SYSTEM: incl. consideration of optical losses, internal control unit losses & operating device efficiency.

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; square 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 4000 K; binning initial MacAdam ≤ 3 SDCM; 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 37° 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



## 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 flush | jet black | 98-98-43   | 052-1942318       |



### Mounting accessories

#### PRIMED CONCRETE MOUNTING HOUSING

| L-W-H (MM)  | ARTICLE NUMBER(S) |
|-------------|-------------------|
| 240-400-130 | 052-1914320       |



### Optical accessories

#### HONEYCOMB LOUVER

| COLOUR        | Ø (MM) | ARTICLE NUMBER(S) |
|---------------|--------|-------------------|
| traffic white | 54     | 048-2091317       |
| jet black     | 54     | 048-2091318       |



#### LINEAR PRISMATIC LENS

| COLOUR        | Ø (MM) | ARTICLE NUMBER(S) |
|---------------|--------|-------------------|
| traffic white | 54     | 048-2092317       |
| jet black     | 54     | 048-2092318       |



#### SNOOT

| COLOUR        | Ø (MM) | ARTICLE NUMBER(S) |
|---------------|--------|-------------------|
| traffic white | 54     | 048-2091117       |
| jet black     | 54     | 048-2091118       |



#### SNOOT WITH HONEYCOMB LOUVER

| COLOUR        | Ø (MM) | ARTICLE NUMBER(S) |
|---------------|--------|-------------------|
| traffic white | 54     | 048-2091217       |
| jet black     | 54     | 048-2091218       |

