

# SASSO PRO 80 adjustable

flush trimless

048-2312538M 052-1921327

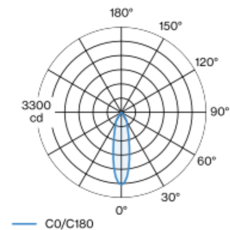


|                |  |
|----------------|--|
| Project / Type |  |
| Notes          |  |
| Count / Date   |  |

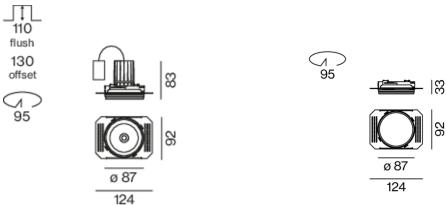


Round recessed spotlight in die-cast aluminium; surface black powder coated; 360° rotatable and 35° tiltable; installation without tools in mounting set due to patented ball catch system; round installation housing; for trimless installation in plasterboard ceilings; suitable for ceiling thickness of 12.5/15/25 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 3000 K; binning initial MacAdam  $\leq 3$  SDCM; CRI  $\geq 90$ ; 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 220-240V; 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;

## Light distribution



## Product drawing



## General

|                              |  |
|------------------------------|--|
| Ceiling , Recessed           |  |
| tilt max 35°                 |  |
| rotation 360°                |  |
| black , RAL9005 <sup>1</sup> |  |
| Mounting set traffic white   |  |
| IP20                         |  |
| 1000 lm                      |  |

## LED

|  |  |
|--|--|
| 3000 K   |  |
| CRI $\geq 90$  |  |
| L90 / 50000 h  |  |
| initial MacAdam $\leq 3$ SDCM  |  |
| R <sub>g</sub> : 100 , R <sub>f</sub> : 89 , R <sub>f(1-15)</sub> : 89 |  |
| MR 0.56  |  |
| MDER 0.51  |  |

## Optical

|                                       |  |
|---------------------------------------|--|
| medium                                |  |
| beam angle 26°                        |  |
| $\geq 65^\circ < 3000 \text{ cd/m}^2$ |  |
| PstLM $\leq 1.0$ <sup>2</sup>         |  |
| SVM $\leq 0.4$ <sup>2</sup>           |  |

## Electrical

|                             |  |
|-----------------------------|--|
| DALI-2                      |  |
| system 12.2 W               |  |
| PC2 220-240V                |  |
| system 82 lm/W <sup>3</sup> |  |
| inset 96 lm/W <sup>4</sup>  |  |

## Physical

|              |  |
|--------------|--|
| trimless     |  |
| length 87 mm |  |
| width 92 mm  |  |
| height 83 mm |  |
| 0.46 kg      |  |

## Cutout

|                                |  |
|--------------------------------|--|
| diameter 95 mm                 |  |
| min. ceiling thickness 12.5 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. optical losses and the efficiency of the operating device (converter)  
<sup>4</sup> incl. optical losses

## 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) |
|-------|---------------|------------|-------------------|
| flush | traffic white | 124-92-33  | 052-1921327       |



### 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       |

