

# SASSO PRO 80 adjustable flush trim square

048-2310418M 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

688 lm

## LED

2700 K

CRI ≥ 90

L90 / 50000 h

initial MacAdam ≤ 3 SDCM

R<sub>g</sub>: 100 , R<sub>f</sub>: 89 , R<sub>(1-15)</sub>: 86

MR 0.49

MDER 0.44

## Optical

medium

beam angle 26°

UGR < 19 , ≥65° <1500 cd/m<sup>2</sup>

PstLM ≤ 1.0 <sup>2</sup>

SVM ≤ 0.4 <sup>2</sup>

## Electrical

non DIM

220-240 V

system 8.3 W

system 83 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

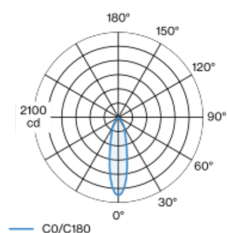
max. ceiling thickness 25 mm

recessed depth 110 mm

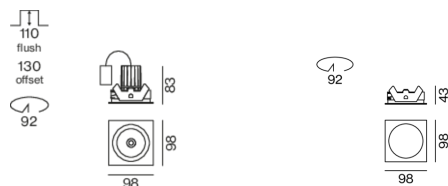
<sup>1</sup> RAL code <sup>2</sup> Value of containing product at full load (undimmed)

<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.

## Light distribution



## Product drawing



[048-2310418M 052-1942318] 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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## 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                            | 31                 |
| B13                            | 40                 |
| B16                            | 50                 |
| B20                            | 62                 |
| B25                            | 78                 |
| C10                            | 52                 |
| C13                            | 67                 |
| C16                            | 85                 |
| C20                            | 104                |
| C25                            | 130                |

## 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       |

