

# SASSO 100 square adjustable

trim 2 lamps

048-2730211F 048-2799318 002-90780



Project / Type

Notes

Count / Date



## General

Ceiling , Recessed

tilt max 30°

black , RAL 9005 <sup>1</sup>

Mounting set jet black

front IP40 , back IP20

4540 lm

fixture 100 lm/W<sup>2</sup>

## LED

3500 K

CRI ≥ 90

L80 / 50000 h

initial MacAdam ≤ 2 SDCM

R<sub>g</sub>: 99 , R<sub>r</sub>: 90 , R<sub>t(1-15)</sub>: 89

MR 0.7

MDER 0.64

## Optical

flood

beam angle 45°

UGR ≤ 16 , ≥65° <3000 cd/m<sup>2</sup>

## Electrical

non DIM

220-240 V

system 52 W

fixture 22.7 W

36 Vf

650 mA

fixture 45 W

PC2

## Physical

trim

length 218 mm

width 118 mm

height 95 mm

0.55 kg

## Cutout

length 210 mm

width 112 mm

min. ceiling thickness 2 mm

max. ceiling thickness 25 mm

recessed depth 100 mm

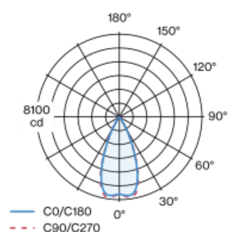
<sup>1</sup> RAL code

<sup>2</sup> FIXTURE: incl. consideration of optical losses & internal control unit losses  
SYSTEM: incl. consideration of optical losses, internal control unit losses & operating device efficiency.



Recessed square spotlight in die-cast aluminium; 2 lamps; surface black; 30° tiltable; installation without tools in mounting set due to patented ball catch system; rectangular 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 3500 K; binning initial MacAdam ≤ 2 SDCM; CRI ≥ 90; min. 80% of luminous flux after 50000 operating hours; energy efficient LEDs with high CRI; incl. high quality lens system; precise radiation characteristic with 45° beam; UGR ≤ 16; VDU compatible workplace luminaire according to DIN EN 12464-1; luminance above 65° ≤ 3000 cd/m<sup>2</sup>; degree of protection from below IP40 (from above IP20); PC2; 220-240 V; incl. converter, non dimmable; through wiring connection box, 3-pole or 5-pole, available as an accessory; accessories are listed separately; light source replaceable by an authorized professional; control gear replaceable by an authorized professional;

## Light distribution



## Product drawing



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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               | 0.964                        | 0.923  | 0.884             | 0.847                           | 0.811  |
| 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                            | 33                 |
| B16                            | 53                 |
| B20                            | 67                 |
| B25                            | 83                 |
| C10                            | 40                 |
| C16                            | 64                 |
| C20                            | 80                 |
| C25                            | 100                |

## Components

### MOUNTING SET with trim 2 lamps

| TYPE                      | COLOUR    | L-W-H (MM) | ARTICLE NUMBER(S) |
|---------------------------|-----------|------------|-------------------|
| for intermediate ceilings | jet black | 218-118-35 | 048-2799318       |



### CONVERTER

| TYPE | L-W-H (MM) | ARTICLE NUMBER(S) |
|------|------------|-------------------|
| 31 W | 143-43-30  | 002-90780         |



## Electrical 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       |



## Optional electrical accessories

### DIN RAIL POWER SUPPLY

| TYPE  | L-W-H (MM) | ARTICLE NUMBER(S) |
|-------|------------|-------------------|
| 160 W | 72-90-63   | 005-6520210       |



### DIN RAIL LED DRIVER

| TYPE                           | L-W-H (MM) | ARTICLE NUMBER(S) |
|--------------------------------|------------|-------------------|
| DALI-2   200-1050 mA   2 x 42W | 36-88-59   | 005-6121030       |

