

# SASSO 100 round downlight

trim

048-2700511F 048-2796317 002-90774



Project / Type \_\_\_\_\_

Notes \_\_\_\_\_

Count / Date \_\_\_\_\_



## General

Ceiling , Recessed \_\_\_\_\_

black , RAL9005 <sup>1</sup> \_\_\_\_\_

Mounting set traffic white \_\_\_\_\_

front IP44 , back IP20 \_\_\_\_\_

2080 lm \_\_\_\_\_

## LED

3000 K \_\_\_\_\_

CRI ≥ 90 \_\_\_\_\_

L80 / 50000 h \_\_\_\_\_

initial MacAdam ≤ 2 SDCM \_\_\_\_\_

R<sub>g</sub>: 100 , R<sub>f</sub>: 91 , R<sub>(1-15)</sub>: 88 \_\_\_\_\_

MR 0.59 \_\_\_\_\_

MDER 0.53 \_\_\_\_\_

## Optical

flood \_\_\_\_\_

beam angle 45° \_\_\_\_\_

UGR < 16 , ≥65° <3000 cd/m² \_\_\_\_\_

PstLM ≤ 1.0 <sup>2</sup> \_\_\_\_\_

SVM ≤ 0.4 <sup>2</sup> \_\_\_\_\_

## Electrical

non DIM \_\_\_\_\_

29.2 W \_\_\_\_\_

inset 24.8 W \_\_\_\_\_

36 V \_\_\_\_\_

700 mA \_\_\_\_\_

PC2 220-240V \_\_\_\_\_

71 lm/W<sup>3</sup> \_\_\_\_\_

inset 84 lm/W<sup>4</sup> \_\_\_\_\_

## Physical

trim \_\_\_\_\_

diameter 118 mm \_\_\_\_\_

height 75 mm \_\_\_\_\_

0.45 kg \_\_\_\_\_

## Cutout

diameter 108 mm \_\_\_\_\_

min. ceiling thickness 2 mm \_\_\_\_\_

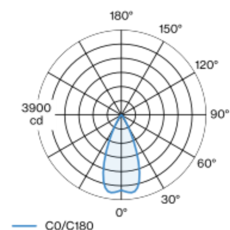
max. ceiling thickness 25 mm \_\_\_\_\_

recessed depth 80 mm \_\_\_\_\_

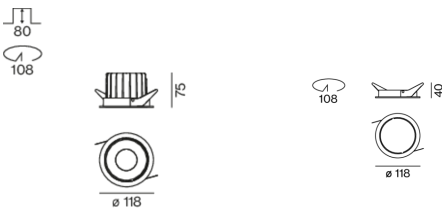
<sup>1</sup> RAL code <sup>2</sup> Value of containing product at full load (undimmed)  
<sup>3</sup> incl. optical losses and the efficiency of the operating device (converter)  
<sup>4</sup> incl. optical losses

Round recessed spotlight in die-cast aluminium; 1 lamp; surface black; installation without tools in mounting set due to patented ball catch system; round installation housing; with trim traffic white; 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 3000 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/m²; degree of protection from below IP44 (from above IP20); PC2 220-240V; 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



## Installation instructions



## Lighting calculator



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## Maintenance Factors

| Operating Time [h] | 10 000                       | 20 000 | 30 000            | 40 000                          | 50 000 |
|--------------------|------------------------------|--------|-------------------|---------------------------------|--------|
| LLMF               | 0.96                         | 0.92   | 0.89              | 0.85                            | 0.82   |
| 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                            | 20                 |
| B16                            | 32                 |
| C10                            | 33                 |
| C16                            | 53                 |

## Components

### MOUNTING SET with trim 1 lamp

| TYPE                      | COLOUR        | Ø (MM) | ARTICLE NUMBER(S) |
|---------------------------|---------------|--------|-------------------|
| for intermediate ceilings | traffic white | 118    | 048-2796317       |



### CONVERTER

| TYPE | L-W-H (MM) | ARTICLE NUMBER(S) |
|------|------------|-------------------|
| 30 W | 143-43-30  | 002-90774         |



## Mounting accessories

### THROUGH WIRING CONNECTION BOX

| TYPE                      | L-W-H (MM) | ARTICLE NUMBER(S) |
|---------------------------|------------|-------------------|
| non DIM cable ø 4 – 12 mm | 105-58-30  | 005-253110        |
| DALI cable ø 4 – 12 mm    | 105-58-30  | 005-255110        |



## Mounting accessories

### PRIMED CONCRETE MOUNTING HOUSING

| COLOUR          | L-W-H (MM)  | ARTICLE NUMBER(S) |
|-----------------|-------------|-------------------|
| white aluminium | 614-307-120 | 048-2695110       |



## 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       |

