

SASSO 100 round adjustable trim soft acoustic ceiling

048-2720014W 048-2796318 002-90789



Project / Type

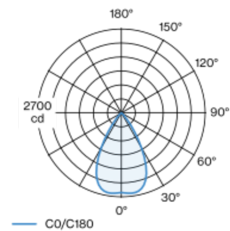
Notes

Count / Date

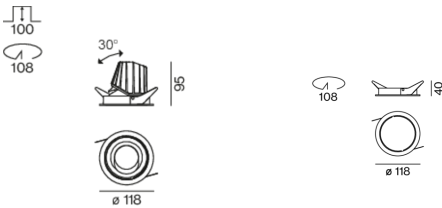


Round recessed spotlight in die-cast aluminium; 1 lamp; surface matt silver; 360° rotatable and 30° tiltable; installation without tools in mounting set due to patented ball catch system; round installation housing; with trim jet black; for installation in soft acoustic ceilings; suitable for ceiling thickness of 25-40 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 60° beam; degree of protection from below IP40 (from above IP20); PC2 220-240V; incl. DALI-2 converter; 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



General

Ceiling , Recessed

tilt max 30°

rotation 360°

matt silver

Mounting set Traffic black

front IP40 , back IP20

2410 lm

LED

3000 K

CRI ≥ 90

L80 / 50000 h

initial MacAdam ≤ 2 SDCM

R_g: 99 , R_r: 90 , R_{t(1-15)}: 87

MR 0.6

MDER 0.54

Optical

wide flood

beam angle 60°

$\geq 65^\circ < 3000 \text{ cd/m}^2$

PstLM $\leq 1.0^1$

SVM $\leq 0.4^1$

Electrical

DALI-2

system 26.7 W

inset 22.7 W

36 Vf

650 mA

PC2 220-240V

system 90 lm/W²

inset 106 lm/W³

1 DALI Addr.

Physical

with trim for acoustic ceiling

diameter 114 mm

height 95 mm

0.49 kg

Cutout

diameter 108 mm

min. ceiling thickness 25 mm

max. ceiling thickness 40 mm

recessed depth 100 mm

¹ Value of containing product at full load (undimmed)

² incl. optical losses and the efficiency of the operating device (converter)

³ incl. optical losses



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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 ^a | Room Surface Maintenance Factor | |
| MF | Maintenance Factor | | LLMF | Lamp Lumens Maintenance Factor | |
| LMF ^a | Luminaire Maintenance Factor | | LSF | Lamp Survival Faktor | |

^a 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 with trim 1 lamp

| TYPE | COLOUR | Ø (MM) | ARTICLE NUMBER(S) |
|---------------------------|-----------|--------|-------------------|
| for intermediate ceilings | jet black | 118 | 048-2796318 |



POWER SUPPLY

| L-W-H (MM) | ARTICLE NUMBER(S) |
|------------|-------------------|
| 143-43-30 | 002-90789 |



Mounting accessories

PRIMED CONCRETE MOUNTING HOUSING

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



Electrical accessories

THROUGH WIRING CONNECTION BOX

| TYPE | L-W-H (MM) | ARTICLE NUMBER(S) |
|---------------------------|------------|-------------------|
| non DIM cable ø 4 – 12 mm | 105-58-30 | 005-2531110 |
| DALI cable ø 4 – 12 mm | 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 |



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Optical accessories

HONEYCOMB LOUVER

| COLOUR | Ø (MM) | ARTICLE NUMBER(S) |
|-----------|--------|-------------------|
| jet black | 50 | 007-1965598 |

