

SASSO 100 round adjustable trim soft acoustic ceiling

048-2720114M 048-2796398 002-90789



Project / Type

Notes

Count / Date



| |
|-------------------------------|
| General |
| Ceiling Recessed |
| tilt max 30° |
| rotation 360° |
| matt silver |
| Mounting set jet black |
| front IP40 back IP20 |
| 2560 lm |
| fixture 113 lm/W ¹ |

| |
|--|
| LED |
| 4000 K |
| CRI ≥ 90 |
| L80 / 50000 h |
| initial MacAdam ≤ 2 SDCM |
| R _g : 98 R _f : 90 R _[1-15] : 88 |
| MR 0.8 MDER 0.72 |

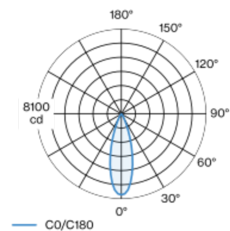
| |
|---|
| Optical |
| medium beam angle 31° |
| UGR ≤ 16 ≥65° <3000 cd/m ² |
| PstLM ≤ 1.0 ² SVM ≤ 0.4 ² |

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 4000 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 31° beam; UGR ≤ 16; VDU compatible workplace luminaire according to DIN EN 12464-1; luminance above 65° ≤ 3000 cd/m²; degree of protection from below IP40 (from above IP20); PC2; 220-240 V; 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;

| |
|--------------------------------|
| Electrical |
| DALI-2 1 DALI Addr. |
| PC2 220-240 V |
| system 26.7 W fixture 22.7 W |
| 36 Vf 650 mA |

| |
|--------------------------------|
| Physical |
| with trim for acoustic ceiling |
| diameter 114 mm height 95 mm |
| 0.7 kg |

Light distribution



Product drawing



| |
|---|
| Cutout |
| diameter 100 mm |
| min. ceiling thickness 25 mm max. ceiling thickness 40 mm |
| recessed depth 100 mm |

¹ incl. consideration of optical losses & internal control unit losses
² Value of containing product at full load (undimmed)

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 Factor | |

^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 trim for soft acoustic ceilings

| | | |
|-----------|--------|-------------------|
| COLOUR | Ø (MM) | ARTICLE NUMBER(S) |
| jet black | 114 | 048-2796398 |



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 |



Mounting accessories

MOUNTING TOOL

| | | |
|---------------|------------|-------------------|
| COLOUR | L-W-H (MM) | ARTICLE NUMBER(S) |
| traffic black | 104-104-35 | 048-2795910 |



Optional electrical accessories

DIN RAIL POWER SUPPLY

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



DIN RAIL LED DRIVER

| | | |
|--------------------------------|------------|-------------------|
| TYPE | L-W-H (MM) | ARTICLE NUMBER(S) |
| 2 × 42W 48V DC UOUT 10–40V | 36-88-59 | 005-6121030 |



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Optional electrical accessories

POWER SUPPLY PREWIRED

| TYPE | ARTICLE NUMBER(S) |
|-------------------|-------------------|
| with junktion box | 002-90767A |
| with junktion box | 002-90789A |
| with junktion box | 002-90776A |
| with junktion box | 002-90766A |
| with junktion box | 002-90780A |
| with junktion box | 002-90774A |



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 |



Optical accessories

HONEYCOMB LOUVER

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

