

SASSO 100 round adjustable trim soft acoustic ceiling

048-2720211F 048-2796398 002-90766



| |
|----------------|
| Project / Type |
| Notes |
| Count / Date |



General

| |
|-------------------------------|
| Ceiling Recessed |
| tilt max 30° |
| rotation 360° |
| jet black RAL 9005 |
| Mounting set jet black |
| front IP40 back IP20 |
| 1590 lm |
| fixture 104 lm/W ¹ |

LED

| |
|--|
| 3500 K |
| CRI ≥ 90 |
| L80 / 50000 h |
| initial MacAdam ≤ 2 SDCM |
| R _g : 99 R _f : 90 R _[1-15] : 89 |
| MR 0.7 MDER 0.64 |

Optical

| |
|---|
| flood beam angle 39° |
| UGR ≤ 16 ≥65° <1500 cd/m ² |
| PstLM ≤ 1.0 ² SVM ≤ 0.4 ² |

Electrical

| |
|--------------------------------|
| non DIM |
| PC2 220-240 V |
| system 17.9 W fixture 15.2 W |
| 36 Vf 450 mA |

Physical

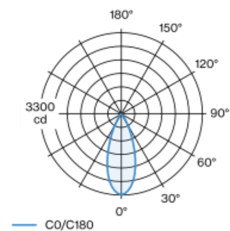
| |
|--------------------------------|
| with trim for acoustic ceiling |
| diameter 114 mm height 95 mm |
| 1.44 kg |

Cutout

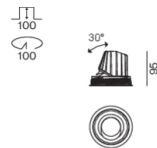
| |
|---|
| diameter 100 mm |
| min. ceiling thickness 25 mm max. ceiling thickness 40 mm |
| recessed depth 100 mm |

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

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 | 0.964 | 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 | 22 |
| B16 | 36 |
| C10 | 37 |
| C16 | 60 |

Components

MOUNTING SET with trim for soft acoustic ceilings

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



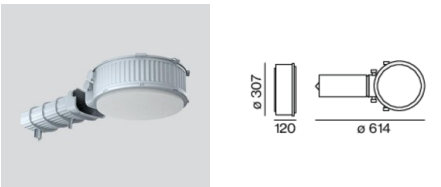
POWER SUPPLY

| | |
|------------|-------------------|
| L-W-H (MM) | ARTICLE NUMBER(S) |
| 143-43-30 | 002-90766 |

Mounting accessories

PRIMED CONCRETE MOUNTING HOUSING

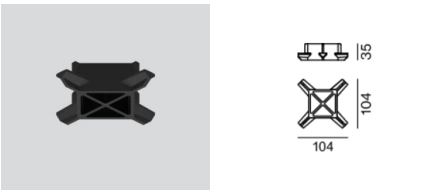
| | |
|-------------|-------------------|
| L-W-H (MM) | ARTICLE NUMBER(S) |
| 614-307-120 | 048-2695110 |



Mounting accessories

MOUNTING TOOL

| | | | |
|----------------------------|---------------|------------|-------------------|
| TYPE | COLOUR | L-W-H (MM) | ARTICLE NUMBER(S) |
| for soft acoustic ceilings | traffic black | 104-104-35 | 048-2795910 |



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Optional electrical accessories

DIN RAIL POWER SUPPLY

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



DIN RAIL LED DRIVER

| L-W-H (MM) | ARTICLE NUMBER(S) |
|------------|-------------------|
| 36-88-59 | 005-6121030 |



Optional electrical accessories

POWER SUPPLY PRE-WIRED with junction box

| ARTICLE NUMBER(S) |
|-------------------|
| 002-90767A |
| 002-90789A |
| 002-90776A |
| 002-90766A |
| 002-90780A |
| 002-90774A |



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 |



Optical accessories

HONEYCOMB LOUVER

| TYPE | COLOUR | Ø (MM) | ARTICLE NUMBER(S) |
|-----------------------|-----------|--------|-------------------|
| for BO 55 SASSO 100 | jet black | 50 | 007-1965598 |



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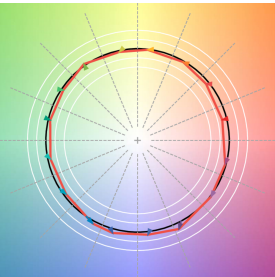
Colour rendering



CRI/R_a ≥ 92 R_e ≥ 89 (3500 K)



TM30 colour vector graphic



The black line represents the black body reference. The red line indicates the results of the test light source. The deviation from the test light source to the reference is shown and is marked by arrows. The shorter the arrows, the higher the color rendering.