

SASSO 60 round downlight trim soft acoustic ceiling

048-2602117F 048-2696397 002-90771



Project / Type

Notes

Count / Date



General

Ceiling , Recessed
rotation 360°
white , RAL 9016 ¹
Mounting set signal white for acoustic ceilings
front IP44 , back IP20
1080 lm
fixture 102 lm/W²

LED

4000 K
CRI ≥ 90
L80 / 50000 h
initial MacAdam ≤ 2 SDCM
R_g: 98 , R_r: 90 , R_{t(1-15)}: 88
MR 0.8
MDER 0.72

Optical

flood
beam angle 40°
PstLM ≤ 1.0 ³
SVM ≤ 0.4 ³

Electrical

non DIM
220-240 V
system 12.5 W
fixture 10.6 W
36 Vf
300 mA
PC2

Physical

with trim for acoustic ceiling
diameter 80 mm
height 48 mm
0.28 kg

Cutout

diameter 74 mm
min. ceiling thickness 25 mm
max. ceiling thickness 40 mm
recessed depth 60 mm

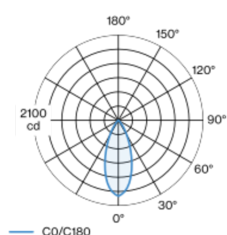
¹ RAL code

² incl. consideration of optical losses & internal control unit losses

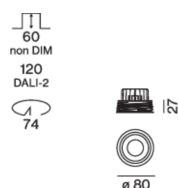
³ Value of containing product at full load (undimmed)

Round recessed spotlight in die-cast aluminium; 1 lamp; surface white; installation without tools in mounting set due to patented ball catch system; round installation housing; with trim signal white for acoustic ceilings; 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 40° beam; degree of protection from below IP44 (from above IP20); PC2; 220-240 V; incl. converter, non dimmable; light source replaceable by an authorized professional; control gear replaceable by an authorized professional;

Light distribution



Product drawing



Installation instructions



Lighting calculator



[048-2602117F 048-2696397 002-90771] The technical data represent rated values for an ambient temperature of 25°C. The data values for the luminous flux are initially subject to a tolerance of +/- 10%, those for the electrical connected load are initially subject to a tolerance of +/- 10%, and those for the colour temperature are initially subject to a tolerance of +/- 150 K. No liability is assumed for typographical or printing errors. The general terms and conditions of XAL GmbH apply.

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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 | 43 |
| B13 | 55 |
| B16 | 68 |
| B20 | 85 |
| C10 | 72 |
| C13 | 94 |
| C16 | 116 |
| C20 | 145 |

Components

MOUNTING SET trim for soft acoustic ceilings

| | | |
|------------------------------------|--------|-------------------|
| COLOUR | Ø (MM) | ARTICLE NUMBER(S) |
| signal white for acoustic ceilings | 80 | 048-2696397 |



POWER SUPPLY

| | | |
|------|------------|-------------------|
| TYPE | L·W·H (MM) | ARTICLE NUMBER(S) |
| 13 W | 85-40-22 | 002-90771 |



Mounting accessories

MOUNTING TOOL

| | | |
|---------------|------------|-------------------|
| COLOUR | L·W·H (MM) | ARTICLE NUMBER(S) |
| traffic black | 77-77-35 | 048-2695918 |



Optional electrical accessories

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 |



DIN RAIL POWER SUPPLY

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



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Optional electrical accessories

POWER SUPPLY PREWIRED

| TYPE | ARTICLE NUMBER(S) |
|-----------------------------|-------------------|
| with junktion box DALI-2 | 002-90790A |
| with junktion box DALI-2 | 002-90748A |
| with junktion box non DIM | 002-90771A |
| with junktion box non DIM | 002-90742A |

Optional electrical accessories

POWER SUPPLY

| TYPE | L·W·H (MM) | ARTICLE NUMBER(S) |
|----------------------------|------------|-------------------|
| with loop through function | 185-30-21 | 002-90770 |
| with loop through function | 185-30-21 | 002-90747 |

