

SASSO 100 square adjustable

trim

048-2730214F 048-2797318 002-90767

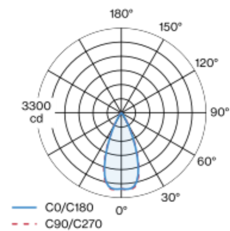


| |
|----------------|
| Project / Type |
| Notes |
| Count / Date |



Recessed square spotlight in die-cast aluminium; 1 lamp; surface matt silver; 30° tiltable; installation without tools in mounting set due to patented ball catch system; square installation housing; with trim jet black; 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 3500 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 44° 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 220-240V; 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° |
| matt silver |
| Mounting set jet black |
| front IP40 , back IP20 |
| 1730 lm |

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 44° |
| UGR < 16 , $\geq 65^\circ$ <3000 cd/m ² |
| PstLM ≤ 1.0 ¹ |
| SVM ≤ 0.4 ¹ |

Electrical

| |
|----------------|
| DALI-2 |
| 17.9 W |
| inset 15.2 W |
| 36 Vf |
| 450 mA |
| PC2 220-240V |
| 97 lm/W |
| inset 113 lm/W |
| 1 DALI Addr. |

Physical

| |
|---------------|
| trim |
| length 118 mm |
| width 118 mm |
| height 95 mm |
| 0.54 kg |

Cutout

| |
|------------------------------|
| length 112 mm |
| width 112 mm |
| min. ceiling thickness 2 mm |
| max. ceiling thickness 25 mm |
| recessed depth 100 mm |

¹ Value of containing product at full load (undimmed)



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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

| TYPE | COLOUR | L-W-H (MM) | ARTICLE NUMBER(S) |
|---------------------------|-----------|------------|-------------------|
| for intermediate ceilings | jet black | 118-118-35 | 048-2797318 |



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 |



[048-2730214F 048-2797318 002-90767] 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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