

SASSO 100 square adjustable

trim

048-2730417W 048-2797317 002-90776



Project / Type

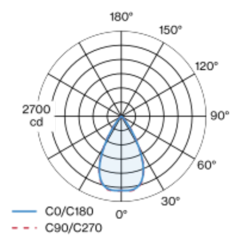
Notes

Count / Date



Recessed square spotlight in die-cast aluminium; 1 lamp; surface white; 30° tiltable; installation without tools in mounting set due to patented ball catch system; square installation housing; with trim traffic white; 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 2700 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 58° 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°

white , RAL9016 ¹

Mounting set traffic white

front IP40 , back IP20

2140 lm

LED

2700 K

CRI ≥ 90

L80 / 50000 h

initial MacAdam ≤ 2 SDCM

R_g: 99 , R_f: 91 , R₍₁₋₁₅₎: 89

MR 0.53

MDER 0.48

Optical

wide flood

beam angle 58°

PstLM ≤ 1.0 ²

SVM ≤ 0.4 ²

Electrical

DALI-2

29.2 W

PC2 220-240V

73 lm/W

1 DALI Addr.

Physical

trim

length 118 mm

width 118 mm

height 95 mm

0.52 kg

Cutout

length 112 mm

width 112 mm

min. ceiling thickness 2 mm

max. ceiling thickness 25 mm

recessed depth 100 mm

¹ RAL code ² Value of containing product at full load (undimmed)

Installation instructions



Lighting calculator



SASSO 100 square adjustable

trim

048-2730417W 048-2797317 002-90776



Project / Type

Notes

Count / Date

Maintenance Factors

| Operating Time [h] | 10 000 | 20 000 | 30 000 | 40 000 | 50 000 |
|--------------------|------------------------------|--------|-------------------|---------------------------------|--------|
| LLMF | 0.96 | 0.92 | 0.89 | 0.85 | 0.82 |
| 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 | traffic white | 118-118-35 | 048-2797317 |



CONVERTER

| L-W-H (MM) | ARTICLE NUMBER(S) |
|------------|-------------------|
| 147-44-30 | 002-90776 |



Mounting 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 |



Mounting accessories

PRIMED CONCRETE MOUNTING HOUSING

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



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) |
|--------------------------------|------------|-------------------|
| DALI-2 200-1050 mA 2 x 42W | 36-88-59 | 005-6121030 |

