

SASSO 100 square adjustable

trim

048-2730917F 048-2797318 002-90780



Project / Type

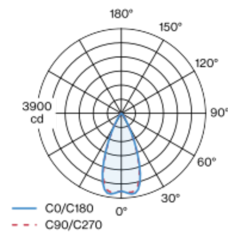
Notes

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 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 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 45° beam; UGR ≤ 19; degree of protection from below IP40 (from above IP20); PC2 220-240V; incl. converter, non dimmable; 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 jet black

front IP40 , back IP20

2230 lm

LED

2700 K

CRI ≥ 90

L80 / 50000 h

initial MacAdam ≤ 2 SDCM

R_g: 97 , R_f: 91 , R_{1-15}: 87

MR 0.52

MDER 0.47

Optical

flood

beam angle 45°

UGR < 19

Electrical

non DIM

system 26.7 W

inset 22.7 W

36 Vf

650 mA

PC2 220-240V

system 84 lm/W²

inset 98 lm/W³

Physical

trim

length 118 mm

width 118 mm

height 95 mm

0.49 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 incl. optical losses and the efficiency of the operating device (converter)

³ incl. optical losses

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 | 33 |
| B16 | 53 |
| B20 | 67 |
| B25 | 83 |
| C10 | 40 |
| C16 | 64 |
| C20 | 80 |
| C25 | 100 |

Components

MOUNTING SET with trim

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



CONVERTER

| | | |
|--------------|-------------------------|--------------------------------|
| TYPE 31 W | L·W·H (MM) 143·43·30 | ARTICLE NUMBER(S) 002-90780 |
|--------------|-------------------------|--------------------------------|



Mounting accessories

PRIMED CONCRETE MOUNTING HOUSING

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



Electrical accessories

THROUGH WIRING CONNECTION BOX

| | | |
|-----------------------------------|-------------------------|----------------------------------|
| TYPE non DIM cable ø 4 – 12 mm | L·W·H (MM) 105·58·30 | ARTICLE NUMBER(S) 005-2531110 |
| DALI cable ø 4 – 12 mm | L·W·H (MM) 105·58·30 | ARTICLE NUMBER(S) 005-2551110 |



Optional electrical accessories

DIN RAIL POWER SUPPLY

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



DIN RAIL LED DRIVER

| | | |
|--|------------------------|----------------------------------|
| TYPE DALI-2 200-1050 mA 2 x 42W | L·W·H (MM) 36·88·59 | ARTICLE NUMBER(S) 005-6121030 |
|--|------------------------|----------------------------------|

