

SASSO 60 square downlight

trim 2 lamps

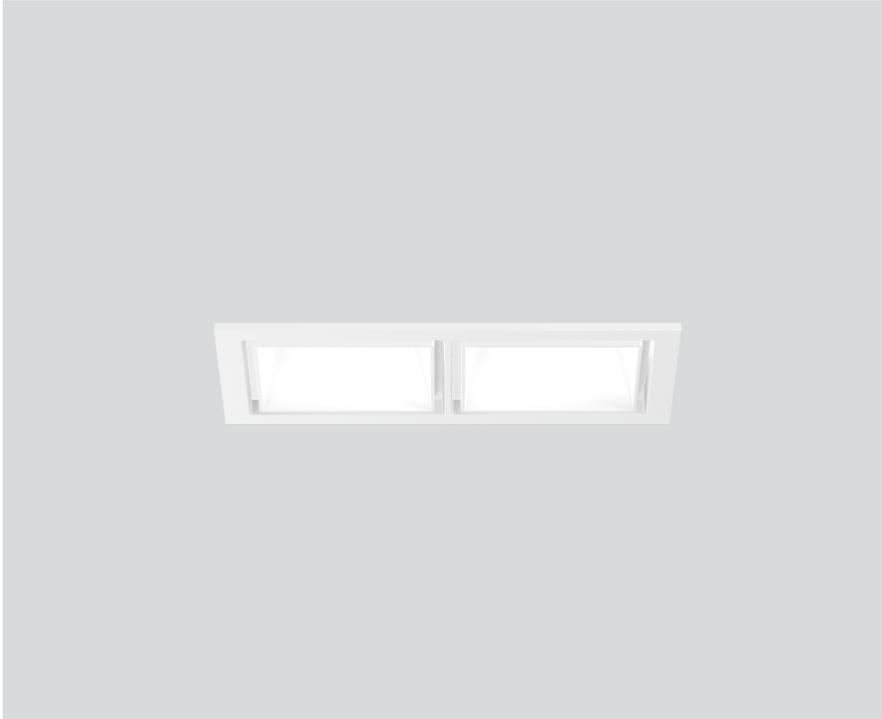
048-2612217M 048-2699317 002-90790



Project / Type

Notes

Count / Date



General

Ceiling , Recessed

white , RAL 9016 ¹

Mounting set traffic white

front IP44 , back IP20

2220 lm

fixture 105 lm/W²

LED

3500 K

CRI ≥ 90

L80 / 50000 h

initial MacAdam ≤ 2 SDCM

R_g: 99 , R_f: 90 , R_{t(1-15)}: 89

MR 0.7

MDER 0.64

Optical

medium

beam angle 27°

UGR ≤ 19

P_{stLM} ≤ 1.0 ³

SVM ≤ 0.4 ³

Recessed square spotlight in die-cast aluminium; 2 lamps; surface white; installation without tools in mounting set due to patented ball catch system; rectangular 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 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 27° beam; UGR ≤ 19; degree of protection from below IP44 (from above IP20); PC2; 220-240 V; 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;

Electrical

DALI-2

220-240 V

system 25.0 W

fixture 10.6 W

36 Vf

300 mA

fixture 21.3 W

PC2

1 DALI Addr.

Physical

trim

length 147 mm

width 81 mm

height 48 mm

4.7 kg

Cutout

length 138 mm

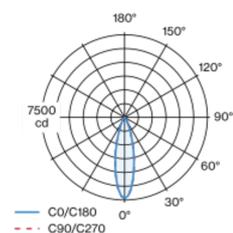
width 73 mm

min. ceiling thickness 2 mm

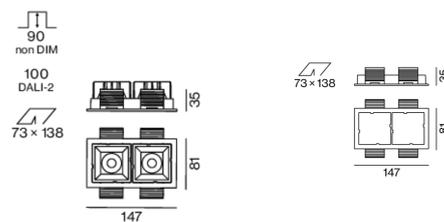
max. ceiling thickness 25 mm

recessed depth 100 mm

Light distribution



Product drawing



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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
 MF Maintenance Factor
 LMF^a Luminaire Maintenance Factor
 RSMF^a Room Surface Maintenance Factor
 LLMF Lamp Lumens 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 | 72 |
| B16 | 115 |
| C10 | 106 |
| C16 | 170 |

Components

MOUNTING SET with trim 2 lamps

| TYPE | COLOUR | L-W-H (MM) | ARTICLE NUMBER(S) |
|---------------------------|---------------|------------|-------------------|
| for intermediate ceilings | traffic white | 147-81-35 | 048-2699317 |



POWER SUPPLY

ARTICLE NUMBER(S)
002-90790

Mounting accessories

THROUGH WIRING CONNECTION BOX

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



[048-2612217M 048-2699317 002-90790] 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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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 |

