

SASSO 100 square adjustable

trim 2 lamps

048-2730014S 048-2799318 002-90780



Project / Type

Notes

Count / Date



General

Ceiling , Recessed

tilt max 30°

matt silver

Mounting set jet black

front IP40 , back IP20

4160 lm

fixture 92 lm/W¹

LED

3000 K

CRI ≥ 90

L80 / 50000 h

initial MacAdam ≤ 2 SDCM

R_g: 99 , R_r: 90 , R_{t(1-5)}: 87

MR 0.6

MDER 0.54

Optical

spot

beam angle 18°

UGR ≤ 16 , ≥65° <3000 cd/m²

Electrical

non DIM

220-240 V

system 52 W

fixture 22.7 W

36 Vf

650 mA

fixture 45 W

PC2

Physical

trim

length 218 mm

width 118 mm

height 95 mm

0.55 kg

Cutout

length 210 mm

width 112 mm

min. ceiling thickness 2 mm

max. ceiling thickness 25 mm

recessed depth 100 mm

¹ FIXTURE: incl. consideration of optical losses & internal control unit losses SYSTEM: incl. consideration of optical losses, internal control unit losses & operating device efficiency.

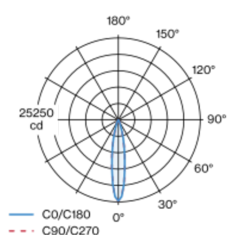
Installation instructions



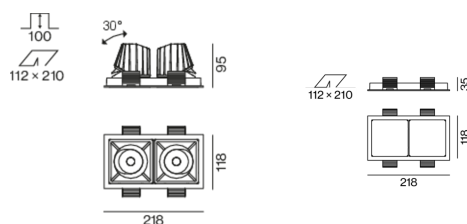
Lighting calculator



Light distribution



Product drawing



[048-2730014S 048-2799318 002-90780] 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 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 2 lamps

| | | | |
|-----------------------------------|---------------------|--------------------------|----------------------------------|
| TYPE for intermediate ceilings | COLOUR jet black | L-W-H (MM) 218-118-35 | ARTICLE NUMBER(S) 048-2799318 |
|-----------------------------------|---------------------|--------------------------|----------------------------------|



CONVERTER

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



Electrical accessories

THROUGH WIRING CONNECTION BOX

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

