

SASSO 100 round downlight

trim

048-2700114S 048-279631G 002-90780



Project / Type _____

Notes _____

Count / Date _____



220-240V

IP20
IP44

X-PERT

X-PERT

General

Ceiling , Recessed

matt silver

Mounting set white aluminium

front IP44 , back IP20

2150 lm

LED

4000 K

CRI \geq 90

L80 / 50000 h

initial MacAdam \leq 2 SDCM

R_g: 98 , R_f: 90 , R_{t1-15}: 88

MR 0.8

MDER 0.72

Optical

spot

beam angle 19°

UGR < 13

Electrical

non DIM

system 26.7 W

inset 22.7 W

36 Vf

650 mA

PC2 220-240V

system 81 lm/W¹

inset 95 lm/W²

Physical

trim

diameter 118 mm

height 75 mm

0.45 kg

Cutout

diameter 108 mm

min. ceiling thickness 2 mm

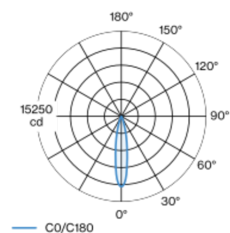
max. ceiling thickness 25 mm

recessed depth 80 mm

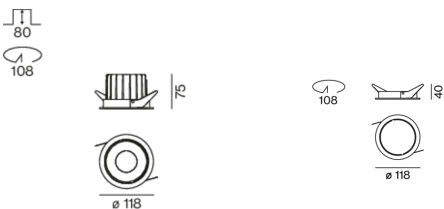
¹ incl. optical losses and the efficiency of the operating device (converter)

² incl. optical losses

Light distribution



Product drawing



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 1 lamp

| TYPE | COLOUR | Ø (MM) | ARTICLE NUMBER(S) |
|---------------------------|-----------------|--------|-------------------|
| for intermediate ceilings | white aluminium | 118 | 048-279631G |



CONVERTER

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



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 |



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Optical accessories

HONEYCOMB LOUVER

| COLOUR | Ø (MM) | ARTICLE NUMBER(S) |
|-----------|--------|-------------------|
| jet black | 50 | 007-1965598 |

