SASSO 100 round
adjustable

trimless

048-2720911S 048-2796117 002-90780

| ↑ IP20 | | X-PERT | ~ ⊡ ⊏ X-PERT |
| ↓ IP40 | | | |

General

Ceiling , Recessed
tilt max 30°
rotation 360°
black , RAL 9005 [1]
Mounting set traffic white
front IP40 , back IP20
1890 lm
fixture 83 lm/W [2]

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

spot
beam angle 19°
UGR ≤ 13 , ≥65° <3000 cd/m²

Electrical

non DIM
220-240 V
system 26.7 W
fixture 22.7 W
36 Vf
650 mA
PC2

Round recessed spotlight in die-cast aluminium; 1 lamp; surface black; 360° rotatable and 30° tiltable; installation without tools in mounting set due to patented ball catch system; round installation housing; for trimless installation in plasterboard ceilings; suitable for ceiling thickness of 12.5/15/25 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 19° beam; UGR ≤ 13; VDU compatible workplace luminaire according to DIN EN 12464-1; luminance above 65° ≤ 3000 cd/m²; degree of protection from below IP40 (from above IP20); PC2; 220-240 V; 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;

Physical

trimless
diameter 105 mm
height 95 mm
0.47 kg

Cutout

diameter 106 mm
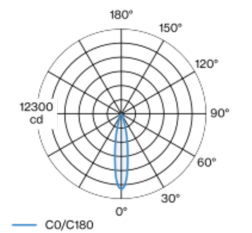min. ceiling thickness 12.5 mm
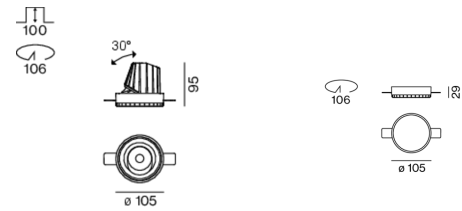max. ceiling thickness 25 mm
recessed depth 100 mm

[1] RAL code
[2] incl. consideration of optical losses & internal control unit losses

Light distribution

12300 cd

— C0/C180

Product drawing

100
106
30°
95
ø 105
106
29
ø 105

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 trimless

TYPE	COLOUR	Ø (MM)	ARTICLE NUMBER(S)
for plasterboard ceilings 12.5/15/25 mm	traffic white	105	048-2796117

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

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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Optional electrical accessories

POWER SUPPLY PREWIRED

TYPE	ARTICLE NUMBER(S)
with junktion box | DALI-2	002-90767A
with junktion box | DALI-2	002-90789A
with junktion box | DALI-2	002-90776A
with junktion box | non DIM	002-90766A
with junktion box | non DIM	002-90780A
with junktion box | non DIM	002-90774A

Electrical 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

Optical accessories

HONEYCOMB LOUVER

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