

SASSO 100 round adjustable trim soft acoustic ceiling

048-2720E14W 048-2796398 002-90776



Project / Type

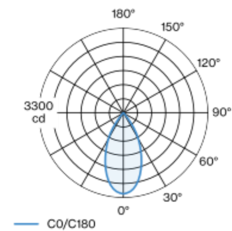
Notes

Count / Date



Round recessed spotlight in die-cast aluminium; 1 lamp; surface matt silver; 360° rotatable and 30° tiltable; installation without tools in mounting set due to patented ball catch system; round installation housing; with trim Traffic black; for installation in soft acoustic ceilings; suitable for ceiling thickness of 25-40 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; CWD (Colour Warm Dimming) of 1800K - 3000K; binning initial MacAdam ≤ 3 SDCM; CRI ≥ 90 ; min. 90% of luminous flux after 50000 operating hours; energy efficient LEDs with high CRI; incl. high quality lens system; precise radiation characteristic with 51° beam; degree of protection from below IP40 (from above IP20); PC2 220-240V; 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;

Light distribution



Product drawing



General

Ceiling , Recessed

tilt max 30°

rotation 360°

matt silver

Traffic black

front IP40 , back IP20

2290 lm

LED

colour warm dimming

1800 K - 3000 K

CRI ≥ 90

L90 / 50000 h

initial MacAdam ≤ 3 SDCM

R_g: 100 , R_f: 89 , R_{t=15}: 89

MR 0.56

MDER 0.51

Optical

wide flood

beam angle 51°

PstLM ≤ 1.0 ¹

SVM ≤ 0.4 ¹

Electrical

DALI-2

system 28.0 W

inset 23.8 W

700 mA

PC2 220-240V

system 82 lm/W²

inset 96 lm/W³

1 DALI Addr.

Physical

with trim for acoustic ceiling

diameter 114 mm

height 95 mm

0.49 kg

Cutout

diameter 100 mm

min. ceiling thickness 25 mm

max. ceiling thickness 40 mm

recessed depth 100 mm

¹ Value of containing product at full load (undimmed)

² incl. optical losses and the efficiency of the operating device (converter)

³ incl. optical losses



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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	0.97	0.95	0.93	0.91	0.89
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	18
B16	30
C10	23
C16	36

Components

MOUNTING SET trim for soft acoustic ceilings

COLOUR	Ø (MM)	ARTICLE NUMBER(S)
traffic black for acoustic ceilings	114	048-2796398



CONVERTER

TYPE	L-W-H (MM)	ARTICLE NUMBER(S)
38 W	147-44-30	002-90776



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



Optical accessories

HONEYCOMB LOUVER

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

