

SASSO 100 round wallwasher

trimless exposed concrete
048-2740214A 048-2795210 002-90766



Project / Type

Notes

Count / Date



General
Ceiling , Recessed
rotation 360°
matt silver
Mounting set white aluminium
IP20
1710 lm
fixture 109 lm/W ¹

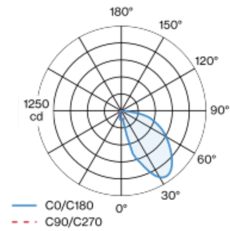
LED
3500 K
CRI ≥ 90
L85 / 50000 h
initial MacAdam ≤ 3 SDCM
R _g : 96 , R _r : 90 , R _{t(1-5)} : 91
MR 0.74
MDER 0.67

Optical
wallwasher
PstLM ≤ 1.0 ²
SVM ≤ 0.4 ²

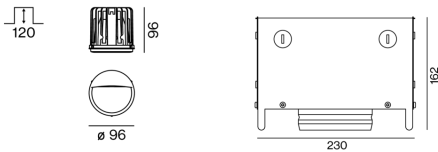
Round recessed spotlight in die-cast aluminium; 1 lamp; surface matt silver; 360° rotatable; installation without tools in mounting set due to patented ball catch system; concrete housings for exposed concrete ceilings; for trimless installation; passive cooling of the LEDs through improved heat sink geometry; with COB (Chip on Board) technology for maximum efficiency; no appearance of multiple shadows; light colour 3500 K; binning initial MacAdam ≤ 3 SDCM; CRI ≥ 90; min. 85% of luminous flux after 50000 operating hours; energy efficient LEDs with high CRI; with specially computed, asymmetrical reflector for homogeneous lighting intensity; high quality reflector with micro-faceted, aluminum-vaporised surface; 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;

Electrical
non DIM
220-240 V
system 18.6 W
fixture 15.8 W
36 Vf
450 mA
PC2

Light distribution



Product drawing



Physical
trimless for exposed concrete ceiling
length 230 mm
width 230 mm
height 162 mm
2.8 kg

Cutout
recessed depth 120 mm

¹ incl. consideration of optical losses & internal control unit losses
² Value of containing product at full load (undimmed)

Installation instructions



Lighting calculator



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Maintenance Factors

Operating Time [h]	10 000	20 000	30 000	40 000	50 000
LLMF	0.982	0.954	0.926	0.899	0.873
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	22
B16	36
C10	37
C16	60

Components

EXPOSED CONCRETE MOUNTING HOUSING

COLOUR	L-W-H (MM)	ARTICLE NUMBER(S)
white aluminium	230-230-162	048-2795210



CONVERTER

TYPE	ARTICLE NUMBER(S)
21 W	002-90766

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, Linect®-Ready	105-58-30	005-253110
DALI cable ø 4 – 12 mm, Linect®-Ready	105-58-30	005-255110



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



[048-2740214A 048-2795210 002-90766] 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 non DIM	002-90766A
with junktion box DALI-2	002-90767A
with junktion box non DIM	002-90780A
with junktion box DALI-2	002-90789A
with junktion box non DIM	002-90774A
with junktion box DALI-2	002-90776A

