

SASSO PRO 100

adjustable offset trim round

048-2412L38F 052-1932447



Project / Type

Notes

Count / Date



General

Ceiling , Recessed

tilt max 35°

rotation 360°

black , RAL 9005 ¹

Mounting set traffic white

IP20

1780 lm

LED

tunable white

1800 K - 3000 K

CRI ≥ 92

L85 / 50000 h

initial MacAdam ≤ 3 SDCM

R_g: 101 , R_r: 94 , R_{1-15}: 96

MR 0.64

MDER 0.58

Optical

flood

beam angle 38°

PstLM ≤ 1.0 ²

SVM ≤ 0.4 ²

Electrical

DALI-2 DT8

220-240 V

system 29.7 W

system 60 lm/W³

PC2

2 DALI Addr.

Physical

trim

diameter 112 mm

height 106 mm

0.59 kg

Cutout

diameter 108 mm

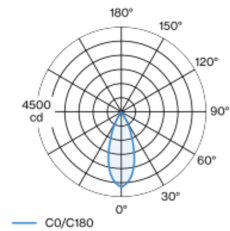
min. ceiling thickness 5 mm

max. ceiling thickness 25 mm

recessed depth 130 mm

Round recessed spotlight in die-cast aluminium with recessed luminaire plane; surface black powder coated; 360° rotatable and 35° tiltable; installation without tools in mounting set due to patented ball catch system; round installation housing; with trim traffic white; suitable for ceiling thickness of 5-25 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: tunable white diodes (1800-3000 K); binning initial MacAdam ≤ 3 SDCM; CRI ≥ 92; min. 85% of luminous flux after 50000 operating hours; energy efficient LEDs with high CRI; including high quality reflector made of plastic with spherical reflector; aluminium, vapour deposition coated; neutral colour reflection through absolute freedom from interference colour; for brilliant object staging; precise radiation characteristic with 38° beam; installed and exchanged without tools; optical attachments available as accessories; accessories are listed separately; degree of protection IP20; PC2; 220-240 V; incl. DALI-2 / DT8 converter; converter wired secondary side; through wiring connection box, 3-pole or 5-pole, available as an accessory; light source replaceable by an authorized professional; control gear replaceable by an authorized professional;

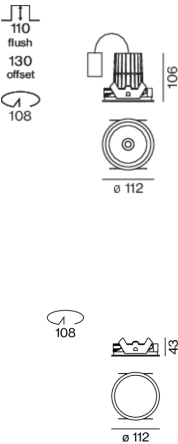
Light distribution



flood 38°

h (m)	E0° (lx)	ø (m)
1	3980	0.69
2	1000	1.38
3	440	2.07
4	250	2.76
5	160	3.45

Product drawing



¹ RAL code ² Value of containing product at full load (undimmed)
³ 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



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Maintenance Factors

Operating Time [h]	10 000	20 000	30 000	40 000	50 000
LLMF	0.96	0.94	0.91	0.89	0.86
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

TYPE	COLOUR	Ø (MM)	ARTICLE NUMBER(S)
round offset 17 mm	traffic white	112	052-1932447



Mounting 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



Mounting accessories

PRIMED CONCRETE MOUNTING HOUSING

L-W-H (MM)	ARTICLE NUMBER(S)
240-400-130	052-1914420



[048-2412L38F 052-1932447] 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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04.04.2025

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Optical accessories

HONEYCOMB LOUVER

COLOUR	Ø (MM)	ARTICLE NUMBER(S)
traffic white	74	048-2191317
jet black	74	048-2191318



LINEAR PRISMATIC LENS

COLOUR	Ø (MM)	ARTICLE NUMBER(S)
traffic white	74	048-2192317
jet black	74	048-2192318



SNOOT

COLOUR	Ø (MM)	ARTICLE NUMBER(S)
traffic white	74	048-2191117
jet black	74	048-2191118



SNOOT WITH HONEYCOMB LOUVER

COLOUR	Ø (MM)	ARTICLE NUMBER(S)
traffic white	74	048-2191217
jet black	74	048-2191218

