

# SASSO PRO 100

## adjustable

trimless exposed concrete  
048-2410438M 052-1913410



Project / Type

Notes

Count / Date



### General

Ceiling , Recessed

tilt max 35°

rotation 360°

black , RAL 9005 <sup>1</sup>

IP20

1310 lm

### LED

2700 K

CRI ≥ 90

L90 / 50000 h

initial MacAdam ≤ 3 SDCM

R<sub>g</sub>: 100 , R<sub>f</sub>: 89 , R<sub>f(1-5)</sub>: 86

MR 0.49

MDER 0.44

### Optical

medium

beam angle 24°

PstLM ≤ 1.0 <sup>2</sup>

SVM ≤ 0.4 <sup>2</sup>

Round recessed spotlight in die-cast aluminium; surface black powder coated; 360° rotatable and 35° tiltable; 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 2700 K; binning initial MacAdam ≤ 3 SDCM; CRI ≥ 90; min. 90% 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 24° 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 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;

### Electrical

DALI-2

220-240 V

system 14.7 W

system 89 lm/W<sup>3</sup>

PC2

1 DALI Addr.

### Physical

trimless for exposed concrete ceiling

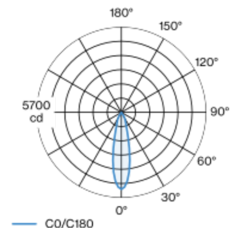
length 229 mm

width 227 mm

height 160 mm

2.31 kg

### Light distribution



medium 24°

h (m)	E0° (lx)	ø (m)
1	5130	0.43
2	1280	0.87
3	570	1.30
4	320	1.73
5	210	2.17

### Product drawing



<sup>1</sup> RAL code <sup>2</sup> Value of containing product at full load (undimmed)  
<sup>3</sup> 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	0.98	0.96	0.94	0.92	0.9
LSF	1	1	1	1	1
MF	LMF × RSMF × LLMF × LSF		RSMF <sup>a</sup>	Room Surface Maintenance Factor	
MF	Maintenance Factor		LLMF	Lamp Lumens Maintenance Factor	
LMF <sup>a</sup>	Luminaire Maintenance Factor		LSF	Lamp Survival Faktor	

<sup>a</sup> 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

#### EXPOSED CONCRETE MOUNTING HOUSING

L-W-H (MM)  
229-227-160

ARTICLE NUMBER(S)  
052-1913410



### Mounting accessories

#### THROUGH WIRING CONNECTION BOX

TYPE  
non DIM cable ø 4 – 12 mm, Linect®-Ready  
DALI cable ø 4 – 12 mm, Linect®-Ready

L-W-H (MM)  
105-58-30  
105-58-30

ARTICLE NUMBER(S)  
005-2531110  
005-2551110



### Optical accessories

#### HONEYCOMB LOUVER

COLOUR  
traffic white  
jet black

Ø (MM)  
74  
74

ARTICLE NUMBER(S)  
048-2191317  
048-2191318



#### LINEAR PRISMATIC LENS

COLOUR  
traffic white  
jet black

Ø (MM)  
74  
74

ARTICLE NUMBER(S)  
048-2192317  
048-2192318



#### SNOOT

COLOUR  
traffic white  
jet black

Ø (MM)  
74  
74

ARTICLE NUMBER(S)  
048-2191117  
048-2191118



#### SNOOT WITH HONEYCOMB LOUVER

COLOUR  
traffic white  
jet black

Ø (MM)  
74  
74

ARTICLE NUMBER(S)  
048-2191217  
048-2191218



[048-2410438M 052-1913410] 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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