

# SASSO PRO 100

## adjustable

trimless exposed concrete  
048-2410538W 052-1913410



Project / Type

Notes

Count / Date



### General

Ceiling , Recessed

tilt max 35°

rotation 360°

black , RAL9005 <sup>1</sup>

IP20

1300 lm

### LED

3000 K

CRI ≥ 90

L90 / 50000 h

initial MacAdam ≤ 3 SDCM

R<sub>g</sub>: 100 , R<sub>f</sub>: 89 , R<sub>f(1-15)</sub>: 89

MR 0.56

MDER 0.51

### Optical

wide flood

beam angle 57°

UGR < 19 , ≥65° <3000 cd/m<sup>2</sup>

P<sub>stLM</sub> ≤ 1.0 <sup>2</sup>

SVM ≤ 0.4 <sup>2</sup>

### Electrical

DALI-2

220-240 V

system 14.7 W

PC2

system 88 lm/W<sup>3</sup>

1 DALI Addr.

### Physical

trimless for exposed concrete ceiling

length 229 mm

width 227 mm

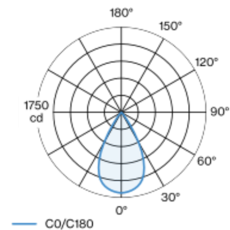
height 160 mm

2.31 kg

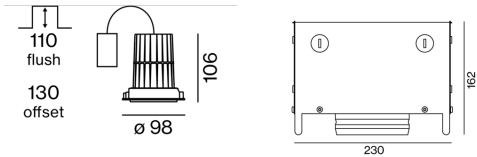
<sup>1</sup> RAL code <sup>2</sup> Value of containing product at full load (undimmed)  
<sup>3</sup> incl. optical losses and the efficiency of the operating device (converter)

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 3000 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 57° beam; installed and exchanged without tools; optical attachments available as accessories; accessories are listed separately; degree of protection IP20; PC2; 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;

### Light distribution



### Product drawing



### 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  
DALI cable ø 4 – 12 mm

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



[\*048-2410538W 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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