

# SASSO PRO 100

## adjustable flush trim round

048-2410537M 052-1922447



Project / Type

Notes

Count / Date



Round recessed spotlight in die-cast aluminium; surface white 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 3000 K; binning initial MacAdam  $\leq 3$  SDCM; CRI  $\geq 90$ ; 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 220-240V; 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



medium 24°

h (m)	E0° (lx)	ø (m)
1	5400	0.43
2	1350	0.87
3	600	1.30
4	340	1.73
5	220	2.17

### Product drawing



### General

Ceiling , Recessed

tilt max 35°

rotation 360°

white , RAL9016 <sup>1</sup>

Mounting set traffic white

IP20

1410 lm

### LED

3000 K

CRI  $\geq 90$

L90 / 50000 h

initial MacAdam  $\leq 3$  SDCM

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

MR 0.56

MDER 0.51

### Optical

medium

beam angle 24°

PstLM  $\leq 1.0$  <sup>2</sup>

SVM  $\leq 0.4$  <sup>2</sup>

### Electrical

DALI-2

system 14.7 W

PC2 220-240V

system 96 lm/W<sup>3</sup>

inset 113 lm/W<sup>4</sup>

1 DALI Addr.

### Physical

trim

diameter 112 mm

height 106 mm

0.6 kg

### Cutout

diameter 108 mm

min. ceiling thickness 5 mm

max. ceiling thickness 25 mm

recessed depth 110 mm

<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)  
<sup>4</sup> incl. optical losses

### 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

#### MOUNTING SET

TYPE	COLOUR	Ø (MM)	ARTICLE NUMBER(S)
round flush	traffic white	112	052-1922447



### Mounting 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



### Mounting accessories

#### PRIMED CONCRETE MOUNTING HOUSING

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



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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

