

# SASSO 100 round downlight

trim 2 lamps

048-2700917W 048-279831G 002-90766



Project / Type

Notes

Count / Date



### General

Ceiling , Recessed  
white , RAL9016 <sup>1</sup>  
Mounting set white aluminium  
front IP44 , back IP20  
3300 lm

### LED

2700 K  
CRI ≥ 90  
L80 / 50000 h  
initial MacAdam ≤ 2 SDCM  
R<sub>g</sub>: 97 , R<sub>f</sub>: 91 , R<sub>f(1-15)</sub>: 87  
MR 0.52  
MDER 0.47

### Optical

wide flood  
beam angle 66°  
PstLM ≤ 1.0 <sup>2</sup>  
SVM ≤ 0.4 <sup>2</sup>

### Electrical

non DIM  
system 35 W  
inset 15.2 W  
36 Vf  
450 mA  
total insets 30 W  
PC2 220-240V  
system 94 lm/W<sup>3</sup>  
inset 108 lm/W<sup>4</sup>

### Physical

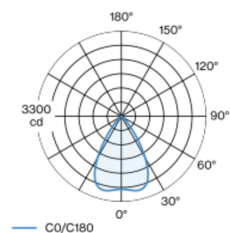
trim  
length 218 mm  
width 118 mm  
height 75 mm  
0.57 kg

### Cutout

diameter 105 mm  
length 205 mm  
width 105 mm  
min. ceiling thickness 2 mm  
max. ceiling thickness 25 mm  
recessed depth 100 mm

Round recessed spotlight in die-cast aluminium; 2 lamps; surface white; installation without tools in mounting set due to patented ball catch system; oval installation housing; with trim white aluminium; suitable for ceiling thickness of 2-25 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 2700 K; binning initial MacAdam ≤ 2 SDCM; CRI ≥ 90; min. 80% of luminous flux after 50000 operating hours; energy efficient LEDs with high CRI; incl. high quality lens system; precise radiation characteristic with 66° beam; degree of protection from below IP44 (from above IP20); PC2 220-240V; 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;

### Light distribution



### Product drawing



<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



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Installation  
instructions



Lighting  
calculator



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### Maintenance Factors

Operating Time [h]	10 000	20 000	30 000	40 000	50 000
LLMF	0.964	0.923	0.884	0.847	0.811
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	22
B16	36
C10	37
C16	60

### Components

#### MOUNTING SET with trim 2 lamps

TYPE	COLOUR	L-W-H (MM)	ARTICLE NUMBER(S)
for intermediate ceilings	white aluminium	218-118-35	048-279831G



#### CONVERTER

TYPE	ARTICLE NUMBER(S)
21 W	002-90766

### Electrical 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



### 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



### Optical accessories

#### HONEYCOMB LOUVER

COLOUR	Ø (MM)	ARTICLE NUMBER(S)
jet black	50	007-1965598

