

# SASSO 100 round downlight

trim 2 lamps

048-2700017W 048-2798318 002-90780



Project / Type

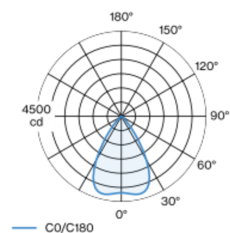
Notes

Count / Date



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 jet black; 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 3000 K; binning initial MacAdam  $\leq 2$  SDCM; CRI  $\geq 90$ ; 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; 220-240 V; 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



## General

Ceiling , Recessed

white , RAL9016 <sup>1</sup>

Mounting set jet black

front IP44 , back IP20

4720 lm

## LED

3000 K

CRI  $\geq 90$

L80 / 50000 h

initial MacAdam  $\leq 2$  SDCM

R<sub>g</sub>: 99 , R<sub>r</sub>: 90 , R<sub>t(1-15)</sub>: 87

MR 0.6

MDER 0.54

## Optical

wide flood

beam angle 66°

## Electrical

non DIM

220-240 V

system 52 W

inset 22.7 W

36 Vf

650 mA

total insets 45 W

PC2

system 91 lm/W<sup>2</sup>

inset 104 lm/W<sup>2</sup>

## Physical

trim

length 218 mm

width 118 mm

height 75 mm

0.55 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

<sup>1</sup> RAL code  
<sup>2</sup> incl. optical losses and the efficiency of the operating device (converter)

## 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	33
B16	53
B20	67
B25	83
C10	40
C16	64
C20	80
C25	100

## Components

### MOUNTING SET with trim 2 lamps

TYPE for intermediate ceilings	COLOUR jet black	L-W-H (MM) 218-118-35	ARTICLE NUMBER(S) 048-2798318
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### CONVERTER

TYPE 31 W	L-W-H (MM) 143-43-30	ARTICLE NUMBER(S) 002-90780
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## Electrical accessories

### THROUGH WIRING CONNECTION BOX

TYPE non DIM cable ø 4 – 12 mm	L-W-H (MM) 105-58-30	ARTICLE NUMBER(S) 005-2531110
DALI cable ø 4 – 12 mm, Linect®-Ready	105-58-30	005-2551110



## Optional electrical accessories

### DIN RAIL POWER SUPPLY

TYPE 160 W	L-W-H (MM) 72-90-63	ARTICLE NUMBER(S) 005-6520210
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### DIN RAIL LED DRIVER

TYPE DALI-2   200-1050 mA   2 x 42W	L-W-H (MM) 36-88-59	ARTICLE NUMBER(S) 005-6121030
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## Optical accessories

### HONEYCOMB LOUVER

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