

# SASSO 100 round downlight trimless soft acoustic ceiling

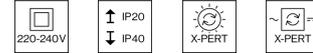
048-2700E14M 048-2796198 002-90776



Project / Type \_\_\_\_\_

Notes \_\_\_\_\_

Count / Date \_\_\_\_\_



## General

Ceiling , Recessed \_\_\_\_\_  
 matt silver \_\_\_\_\_  
 Traffic black \_\_\_\_\_  
 front IP40 , back IP20 \_\_\_\_\_  
 2020 lm \_\_\_\_\_

## LED

colour warm dimming \_\_\_\_\_  
 1800 K - 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>f(1-15)}</sub>: 89 \_\_\_\_\_  
 MR 0.56 \_\_\_\_\_  
 MDER 0.51 \_\_\_\_\_

## Optical

medium \_\_\_\_\_  
 beam angle 34° \_\_\_\_\_  
 PstLM  $\leq$  1.0<sup>1</sup> \_\_\_\_\_  
 SVM  $\leq$  0.4<sup>1</sup> \_\_\_\_\_

## Electrical

DALI-2 \_\_\_\_\_  
 system 28.0 W \_\_\_\_\_  
 inset 23.8 W \_\_\_\_\_  
 700 mA \_\_\_\_\_  
 PC2 220-240V \_\_\_\_\_  
 system 72 lm/W<sup>2</sup> \_\_\_\_\_  
 inset 85 lm/W<sup>3</sup> \_\_\_\_\_  
 1 DALI Addr. \_\_\_\_\_

## Physical

trimless for acoustic ceiling \_\_\_\_\_  
 diameter 114 mm \_\_\_\_\_  
 height 75 mm \_\_\_\_\_  
 0.52 kg \_\_\_\_\_

## Cutout

diameter 100 mm \_\_\_\_\_  
 min. ceiling thickness 25 mm \_\_\_\_\_  
 max. ceiling thickness 40 mm \_\_\_\_\_  
 recessed depth 80 mm \_\_\_\_\_

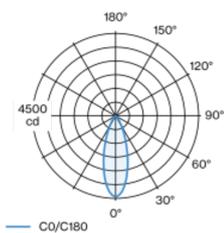
<sup>1</sup> Value of containing product at full load (undimmed)

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

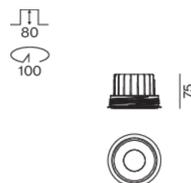
<sup>3</sup> incl. optical losses

Round recessed spotlight in die-cast aluminium; 1 lamp; surface matt silver; installation without tools in mounting set due to patented ball catch system; round installation housing; Traffic black; for trimless installation in soft acoustic ceilings; suitable for ceiling thickness of 25-40 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; CWD (Colour Warm Dimming) of 1800K - 3000K; binning initial MacAdam  $\leq$  3 SDCM; CRI  $\geq$  90; min. 90% of luminous flux after 50000 operating hours; energy efficient LEDs with high CRI; incl. high quality lens system; precise radiation characteristic with 34° beam; degree of protection from below IP40 (from above IP20); PC2 220-240V; incl. DALI-2 converter; 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



## Installation instructions



## Lighting calculator



# SASSO 100 round downlight trimless soft acoustic ceiling

048-2700E14M 048-2796198 002-90776



Project / Type \_\_\_\_\_  
Notes \_\_\_\_\_  
Count / Date \_\_\_\_\_

## Maintenance Factors

Operating Time [h]	10 000	20 000	30 000	40 000	50 000
LLMF	0.97	0.95	0.93	0.91	0.89
LSF	1	1	1	1	1

MF LMF × RSMF × LLMF × LSF  
 MF Maintenance Factor  
 LMF<sup>a</sup> Luminaire Maintenance Factor

RSMF<sup>a</sup> Room Surface Maintenance Factor  
 LLMF Lamp Lumens 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 trimless for soft acoustic ceilings

COLOUR	Ø (MM)	ARTICLE NUMBER(S)
traffic black for acoustic ceilings	114	048-2796198



### CONVERTER

TYPE	L-W-H (MM)	ARTICLE NUMBER(S)
38 W	147-44-30	002-90776



## 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

