

# SASSO 60 round downlight trimless soft acoustic ceiling

048-2602911M 048-2696197 002-90771



Project / Type

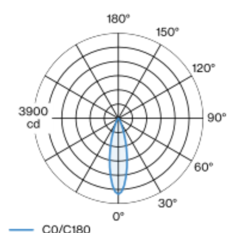
Notes

Count / Date



Round recessed spotlight in die-cast aluminium; 1 lamp; surface black; installation without tools in mounting set due to patented ball catch system; round installation housing; signal white for acoustic ceilings; 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; light colour 2700 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 26° beam; UGR  $\leq 16$ ; degree of protection from below IP44 (from above IP20); PC2; 220-240 V; incl. converter, non dimmable; light source replaceable by an authorized professional; control gear replaceable by an authorized professional;

## Light distribution



## Product drawing



## General

Ceiling , Recessed  
rotation 360°  
black , RAL 9005 <sup>1</sup>  
Mounting set signal white for acoustic ceilings  
front IP44 , back IP20  
947 lm  
fixture 89 lm/W<sup>2</sup>

## LED

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

## Optical

medium  
beam angle 26°  
UGR  $\leq 16$   
PstLM  $\leq 1.0$  <sup>3</sup>  
SVM  $\leq 0.4$  <sup>3</sup>

## Electrical

non DIM  
220-240 V  
system 12.5 W  
fixture 10.6 W  
36 Vf  
300 mA  
PC2

## Physical

trimless for acoustic ceiling  
diameter 80 mm  
height 48 mm  
0.63 kg

## Cutout

diameter 74 mm  
min. ceiling thickness 25 mm  
max. ceiling thickness 40 mm  
recessed depth 60 mm

<sup>1</sup> RAL code

<sup>2</sup> incl. consideration of optical losses & internal control unit losses

<sup>3</sup> Value of containing product at full load (undimmed)

## Installation instructions



## Lighting calculator



[048-2602911M 048-2696197 002-90771] 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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### 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 Factor	

<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	43
B13	55
B16	68
B20	85
C10	72
C13	94
C16	116
C20	145

### Components

#### MOUNTING SET trimless for soft acoustic ceilings

COLOUR	Ø (MM)	ARTICLE NUMBER(S)
signal white for acoustic ceilings	80	048-2696197



#### POWER SUPPLY

TYPE	L·W·H (MM)	ARTICLE NUMBER(S)
13 W	85-40-22	002-90771



### Mounting accessories

#### MOUNTING TOOL

COLOUR	L·W·H (MM)	ARTICLE NUMBER(S)
traffic black	77-77-35	048-2695918



### Optional electrical accessories

#### 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



#### DIN RAIL POWER SUPPLY

TYPE	L·W·H (MM)	ARTICLE NUMBER(S)
160 W	72-90-63	005-6520210



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## Optional electrical accessories

### POWER SUPPLY PREWIRED

TYPE	ARTICLE NUMBER(S)
with junktion box   DALI-2	002-90790A
with junktion box   DALI-2	002-90748A
with junktion box   non DIM	002-90771A
with junktion box   non DIM	002-90742A

## Optional electrical accessories

### POWER SUPPLY

TYPE	L-W-H (MM)	ARTICLE NUMBER(S)
with loop through function	185-30-21	002-90770
with loop through function	185-30-21	002-90747

