

# SASSO 100 round adjustable

semi-recessed

048-3401L314S



Project / Type

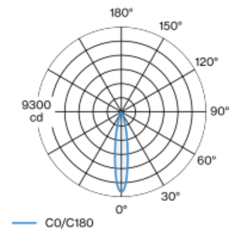
Notes

Count / Date



Cylindrical semi-recessed spotlight made of aluminium; surface black powder coated; Inner colour lacquered in matt silver; 360° rotatable and 20° tiltable; luminaire housing can be attached to mounting plate without tools by interlock; 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 tunable white; binning initial MacAdam  $\leq 3$  SDCM; CRI  $\geq 90$ ; min. 85% of luminous flux after 50000 operating hours; energy efficient LEDs with high CRI; incl. high quality lens system; precise radiation characteristic with 18° beam; UGR  $\leq 13$ ; VDU compatible workplace luminaire according to DIN EN 12464-1; luminance above 65°  $\leq 3000$  cd/m<sup>2</sup>; degree of protection IP20; PC2; 220-240 V; incl. DALI-2 converter; flicker-free visual comfort through analogue current control (minimum value 1%); external converter for ceiling insertion; 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 | Semi-Recessed

tilt max 20°

rotation 360°

black | RAL 9005 <sup>1</sup>

Inner colour matt silver

IP20

1450 lm

## LED

tunable white | 1800 K - 4000 K

CRI  $\geq 90$

L85 / 50000 h

initial MacAdam  $\leq 3$  SDCM

R<sub>g</sub>: 97 | R<sub>f</sub>: 89 | R<sub>t(15)</sub>: 91

MR 0.85 | MDER 0.77

## Optical

spot | beam angle 18°

UGR  $\leq 13$  |  $\geq 65^\circ$   $< 3000$  cd/m<sup>2</sup>

PstLM  $\leq 1.0$  <sup>2</sup> | SVM  $\leq 0.4$  <sup>2</sup>

## Electrical

DALI-2 | 1 DALI Addr.

PC2 | 220-240 V

system 29.2 W

system 50 lm/W <sup>3</sup>

## Physical

diameter 100 mm | height 115 mm

0.76 kg

## Cutout

diameter 80 mm

recessed depth 100 mm

<sup>1</sup> RAL code <sup>2</sup> Value of containing product at full load (undimmed)  
<sup>3</sup> incl. consideration of optical losses, internal control unit losses & operating device efficiency

## Installation instructions



## Lighting calculator



# SASSO 100 round adjustable

semi-recessed

048-3401L314S



Project / Type

Notes

Count / Date

## Maintenance Factors

Operating Time [h]	10 000	20 000	30 000	40 000	50 000
LLMF	0.975	0.956	0.936	0.917	0.899
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	33
B16	53
C10	33
C16	53

## Optional electrical accessories

### DIN RAIL POWER SUPPLY

L·W·H (MM)  
72-90-63

ARTICLE NUMBER(S)  
005-6520210



### DIN RAIL LED DRIVER

TYPE  
2 × 42W | 48V DC | UOUT 10–40V

L·W·H (MM)  
36-88-59

ARTICLE NUMBER(S)  
005-6121030



## Optional electrical accessories

### POWER SUPPLY PREWIRED

TYPE

with junktion box  
with junktion box  
with junktion box  
with junktion box  
with junktion box  
with junktion box

ARTICLE NUMBER(S)

002-90767A  
002-90789A  
002-90776A  
002-90766A  
002-90780A  
002-90774A



## Electrical accessories

### THROUGH WIRING CONNECTION BOX

TYPE

non DIM cable ø 4 – 12 mm, Linect®-Ready  
DALI cable ø 4 – 12 mm, Linect®-Ready

L·W·H (MM)  
105-58-30  
105-58-30

ARTICLE NUMBER(S)  
005-2531110  
005-2551110



## Optical accessories

### HONEYCOMB LOUVER

COLOUR  
jet black

Ø (MM)  
50

ARTICLE NUMBER(S)  
007-1965598



[048-3401L314S] 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.  
© XAL GmbH · Auer-Welsbach-Gasse 36 · 8055 Graz · Austria · www.xal.com

15.07.2025