

# SASSO 100 square adjustable

ceiling  
048-33105179M



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

Notes \_\_\_\_\_

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



<b>General</b>	
Ceiling , Surface	_____
tilt max 20°	_____
white , RAL9016/gold <sup>1</sup>	_____
Inner colour gold	_____
IP20	_____
1440 lm	_____

<b>LED</b>	
3000 K	_____
CRI ≥ 90	_____
L80 / 50000 h	_____
initial MacAdam ≤ 2 SDCM	_____
R <sub>g</sub> : 100 , R <sub>f</sub> : 91 , R <sub>f1-5</sub> : 88	_____
MR 0.59	_____
MDER 0.53	_____

<b>Optical</b>	
medium	_____
beam angle 31°x33°	_____
UGR < 16 , ≥65° <1500 cd/m <sup>2</sup>	_____
P <sub>st</sub> LM ≤ 1.0 <sup>2</sup>	_____
SVM ≤ 0.4 <sup>2</sup>	_____

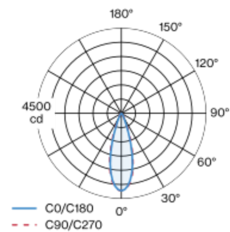
Square ceiling mounted spotlight made of aluminium; surface white (housing/light inset); 20° tiltable; luminaire housing can be attached to mounting plate without tools by interlock; passive cooling of the LEDs through improved heat sink geometry; with COB (Chip on Board) technology for maximum efficiency; no appearance of multiple shadows; light colour 3000 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 31°x33° beam; UGR ≤ 16; VDU compatible workplace luminaire according to DIN EN 12464-1; luminance above 65° ≤ 1500 cd/m<sup>2</sup>; degree of protection IP20; PC1 220-240V; incl. converter, non dimmable; converter integrated into spotlight head; luminaire for through wiring; light source replaceable by an authorized professional; control gear replaceable by an authorized professional;

<b>Electrical</b>	
non DIM	_____
20.2 W	_____
PC1 220-240V	_____
71 lm/W	_____

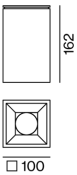
<b>Physical</b>	
length 100 mm	_____
width 100 mm	_____
height 162 mm	_____
1.1 kg	_____

<sup>1</sup> RAL code <sup>2</sup> Value of containing product at full load (undimmed)

## Light distribution



## Product drawing



## Installation instructions



## Lighting calculator



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## Maintenance Factors

Operating Time [h]	10 000	20 000	30 000	40 000	50 000
LLMF	0.96	0.92	0.88	0.85	0.81
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
B13	40
B16	50
B20	62
C13	67
C16	85
C20	104

