

# SASSO 60 round adjustable

ceiling

048-31100111F



Project / Type

Notes

Count / Date



## General

Ceiling , Surface

tilt max 30°

rotation 360°

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

Inner colour black

IP20

734 lm

## LED

3000 K

CRI ≥ 90

L80 / 50000 h

initial MacAdam ≤ 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

flood

beam angle 40°

UGR ≤ 19 , ≥65° <1500 cd/m<sup>2</sup>

## Electrical

non DIM

220-240 V

system 10.2 W

system 72 lm/W<sup>2</sup>

PC1

## Physical

diameter 72 mm

height 108 mm

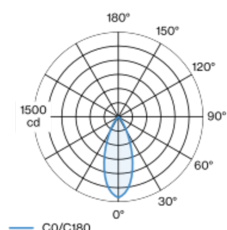
0.5 kg

<sup>1</sup> RAL code

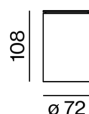
<sup>2</sup> incl. consideration of optical losses, internal control unit losses & operating device efficiency

Cylindrical surface mounted spotlight in die-cast aluminium; suitable for ceiling mounting; surface black powder coated; Inner colour lacquered in black; 360° rotatable and 30° 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 40° beam; UGR ≤ 19; VDU compatible workplace luminaire according to DIN EN 12464-1; luminance above 65° ≤ 1500 cd/m<sup>2</sup>; degree of protection IP20; PC1; 220-240 V; 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;

## 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	0.964	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	10
B16	17
B20	20
C10	16
C16	27
C20	33

