

SASSO 100 square adjustable

ceiling
048-33102117M



Project / Type _____

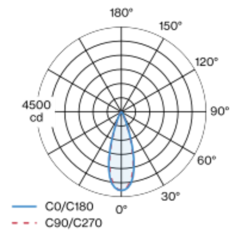
Notes _____

Count / Date _____

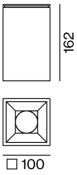


Square ceiling mounted spotlight made of aluminium; surface black powder coated; Inner colour lacquered in white; 20° tiltable; luminaire housing can be attached to mounting plate without tools by interlock; passive cooling of the LEDs through improved heat sink geometry; with COB (Chip on Board) technology for maximum efficiency; no appearance of multiple shadows; light colour 3500 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 34° beam; UGR ≤ 19 ; 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



General

Ceiling | Surface _____

tilt max 20° _____

black | RAL 9005 ¹ _____

Inner colour white _____

IP20 _____

1550 lm _____

LED

3500 K _____

CRI ≥ 90 _____

L80 / 50000 h _____

initial MacAdam ≤ 2 SDCM _____

R_g: 99 | R_f: 90 | R_{t(1-15)}: 89 _____

MR 0.7 | MDER 0.64 _____

Optical

medium | beam angle 34° _____

UGR ≤ 19 _____

PstLM ≤ 1.0 ² | SVM ≤ 0.4 ² _____

Electrical

non DIM _____

PC1 | 220-240 V _____

system 17.9 W _____

system 87 lm/W ³ _____

Physical

length 100 mm | width 100 mm | height 162 mm _____

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

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 ^a	Room Surface Maintenance Factor	
MF	Maintenance Factor		LLMF	Lamp Lumens Maintenance Factor	
LMF ^a	Luminaire Maintenance Factor		LSF	Lamp Survival Factor	

^a 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

