

# SASSO 60 square downlight

ceiling

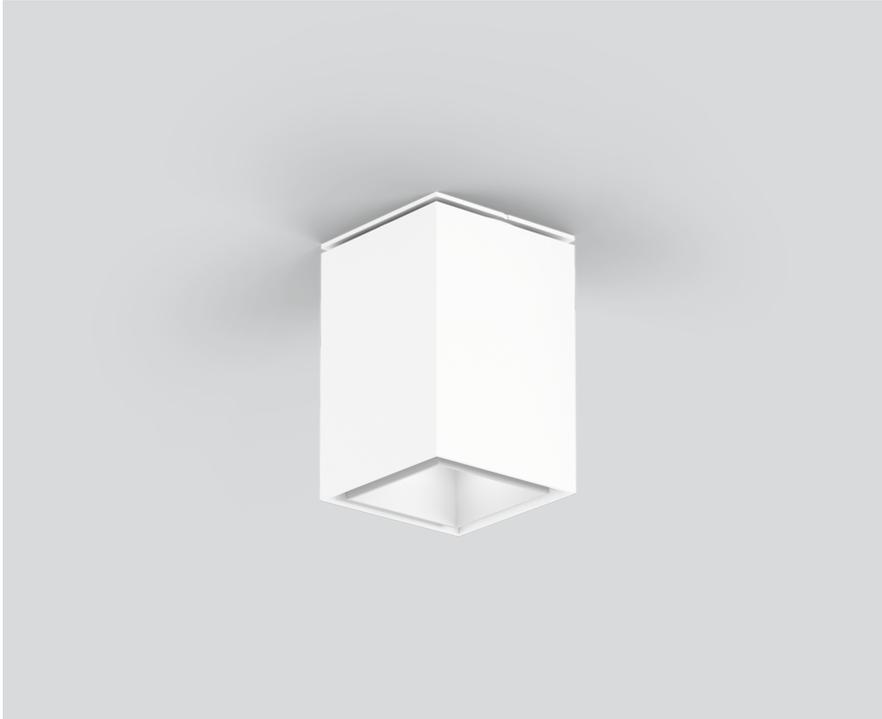
048-30106377S



Project / Type

Notes

Count / Date



## General

Ceiling | Surface  
white | RAL9016 <sup>1</sup>  
Inner colour white  
IP20  
716 lm  
system 70 lm/W <sup>2</sup>

## LED

4000 K  
CRI ≥ 90  
L80 / 50000 h  
initial MacAdam ≤ 2 SDCM  
R<sub>g</sub>: 97 | R<sub>f</sub>: 90 | R<sub>f(1-15)</sub>: 89  
MR 0.81 | MDER 0.74

## Optical

spot | beam angle 12°  
UGR < 19

## Electrical

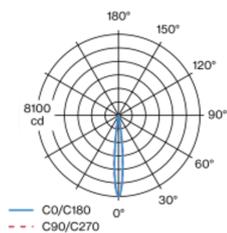
DALI-2 | 1 DALI Addr.  
PC1 | 220-240 V  
system 10.3 W

## Physical

length 72 mm | width 72 mm | height 108 mm  
0.5 kg

Square ceiling mounted spotlight made of aluminium; surface white powder coated; Inner colour lacquered in white; 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 4000 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 12° beam; UGR ≤ 19; degree of protection IP20; PC1; 220-240 V; incl. DALI-2 converter; flicker-free visual comfort through analogue current control (minimum value 1%); 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



<sup>1</sup> RAL code

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

## 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 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	40
B13	50
B16	65
B20	85
C10	70
C13	80
C16	104
C20	130