

# SASSO 60 square downlight

ceiling

048-30104371M



Project / Type

Notes

Count / Date



### General

Ceiling , Surface

white , RAL9016/black <sup>1</sup>

Inner colour black

IP20

741 lm

### LED

2700 K

CRI ≥ 90

L80 / 50000 h

initial MacAdam ≤ 2 SDCM

R<sub>g</sub>: 99 , R<sub>r</sub>: 91 , R<sub>t(1-15)</sub>: 89

MR 0.53

MDER 0.48

### Optical

medium

beam angle 21°

UGR < 13 , ≥65° <1500 cd/m²

### Electrical

DALI-2

system 10.4 W

PC1 220-240V

system 71 lm/W<sup>2</sup>

inset 84 lm/W<sup>3</sup>

1 DALI Addr.

### Physical

length 72 mm

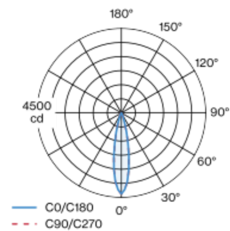
width 72 mm

height 108 mm

0.5 kg

Square ceiling mounted spotlight made of aluminium; surface white (housing/light inset); 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 2700 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 21° beam; UGR ≤ 13; VDU compatible workplace luminaire according to DIN EN 12464-1; luminance above 65° ≤ 1500 cd/m²; degree of protection IP20; PC1 220-240V; 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. optical losses and the efficiency of the operating device (converter)  
<sup>3</sup> incl. optical losses

### 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 |
|--------------------------------|--------------------|
| B10                            | 40                 |
| B13                            | 50                 |
| B16                            | 65                 |
| B20                            | 85                 |
| C10                            | 70                 |
| C13                            | 80                 |
| C16                            | 104                |
| C20                            | 130                |

