

SASSO 100 square
adjustable
ceiling
048-33101117W



Project / Type

Notes

Count / Date



| |
|-------------------------------|
| General |
| Ceiling Surface |
| tilt max 20° |
| black RAL 9005 ¹ |
| Inner colour white |
| IP20 |
| 1810 lm |

| |
|---|
| LED |
| 4000 K |
| CRI ≥ 90 |
| L80 / 50000 h |
| initial MacAdam ≤ 2 SDCM |
| R _g : 98 R _f : 90 R _{t(1-15)} : 88 |
| MR 0.8 MDER 0.72 |

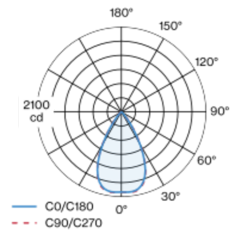
| |
|---|
| Optical |
| wide flood beam angle 58° |
| UGR ≤ 19 |
| PstLM ≤ 1.0 ² SVM ≤ 0.4 ² |

| |
|------------------------------|
| Electrical |
| non DIM |
| PC1 220-240 V |
| system 17.9 W |
| system 101 lm/W ³ |

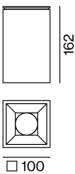
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|--|
| Physical |
| length 100 mm width 100 mm height 162 mm |

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 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 58° 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



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

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 ^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 |

