

# SASSO 60 round downlight

suspended

048-31700319M



|                |  |
|----------------|--|
| Project / Type |  |
| Notes          |  |
| Count / Date   |  |



## General

|                               |
|-------------------------------|
| Ceiling , Suspended           |
| black , RAL 9005 <sup>1</sup> |
| Inner colour gold             |
| IP20                          |
| 868 lm                        |

## LED

|                                                                       |
|-----------------------------------------------------------------------|
| 3000 K                                                                |
| CRI ≥ 90                                                              |
| L80 / 50000 h                                                         |
| initial MacAdam ≤ 2 SDCM                                              |
| R <sub>g</sub> : 99 , R <sub>f</sub> : 90 , R <sub>t(1-15)</sub> : 87 |
| MR 0.6                                                                |
| MDER 0.54                                                             |

## Optical

|                          |
|--------------------------|
| medium                   |
| beam angle 26°           |
| UGR < 16                 |
| PstLM ≤ 1.0 <sup>2</sup> |
| SVM ≤ 0.4 <sup>2</sup>   |

Cylindrical spotlight in die-cast aluminium; surface black powder coated; Inner colour lacquered in gold; pendant fitting with 1500mm suspension, incl. feed (black), can be individually shortened; 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 26° beam; UGR ≤ 16; degree of protection IP20; PC1; 220-240 V; incl. DALI-2 converter; flicker-free visual comfort through analogue current control (minimum value 1%); converter included in canopy; canopy for through wiring; light source replaceable by an authorized professional; control gear replaceable by an authorized professional;

## Electrical

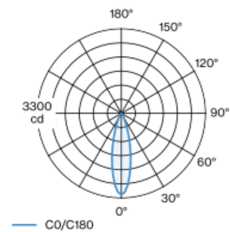
|                             |
|-----------------------------|
| DALI-2                      |
| 220-240 V                   |
| system 10.2 W               |
| system 85 lm/W <sup>3</sup> |
| PC1                         |
| 1 DALI Addr.                |

## Physical

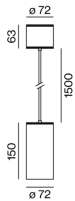
|                |
|----------------|
| diameter 72 mm |
| height 150 mm  |
| 0.85 kg        |

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

## 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 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                            | 39                 |
| B16                            | 63                 |
| B20                            | 78                 |
| C10                            | 63                 |
| C16                            | 100                |
| C20                            | 125                |

