

# SASSO 100 round downlight

trimless

048-2700211W 048-2796117 002-90767



Project / Type

Notes

Count / Date



|                               |
|-------------------------------|
| General                       |
| Ceiling   Recessed            |
| jet black   RAL 9005          |
| Mounting set traffic white    |
| front IP44   back IP20        |
| 1770 lm                       |
| fixture 116 lm/W <sup>1</sup> |

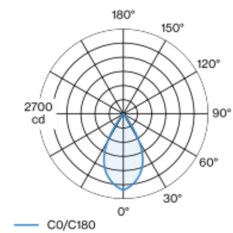
|  |
|--|
| LED  |
| 3500 K   |
| CRI ≥ 90   |
| L80 / 50000 h  |
| initial MacAdam ≤ 2 SDCM   |
| R <sub>g</sub> : 99   R <sub>f</sub> : 90   R <sub>t-15</sub> : 89 |
| MR 0.7   MDER 0.64   |

|   |
|---|
| Optical   |
| wide flood   beam angle 56°                       |
| UGR ≤ 19   ≥65° <1500 cd/m <sup>2</sup>           |
| PstLM ≤ 1.0 <sup>2</sup>   SVM ≤ 0.4 <sup>2</sup> |

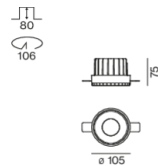
|                                |
|--------------------------------|
| Electrical                     |
| DALI-2   1 DALI Addr.          |
| PC2   220-240 V                |
| system 17.9 W   fixture 15.2 W |
| 36 Vf   450 mA                 |

|                                |
|--------------------------------|
| Physical                       |
| trimless                       |
| diameter 105 mm   height 75 mm |
| 0.51 kg                        |

## Light distribution



## Product drawing



|   |
|---|
| Cutout  |
| diameter 106 mm   |
| min. ceiling thickness 12.5 mm   max. ceiling thickness 25 mm |
| recessed depth 80 mm  |

<sup>1</sup> incl. consideration of optical losses & internal control unit losses  
<sup>2</sup> Value of containing product at full load (undimmed)

### 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 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.

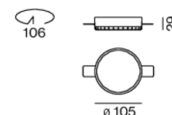
## Circuit Breaker Types

| Automatic Circuit Breaker Type | Number of Fixtures |
|--------------------------------|--------------------|
| B10                            | 18                 |
| B16                            | 30                 |
| C10                            | 23                 |
| C16                            | 36                 |

## Components

### MOUNTING SET trimless

|   |               |        |                   |
|---|---------------|--------|-------------------|
| TYPE                                    | COLOUR        | Ø (MM) | ARTICLE NUMBER(S) |
| for plasterboard ceilings 12.5/15/25 mm | traffic white | 105    | 048-2796117       |



### POWER SUPPLY

|            |                   |
|------------|-------------------|
| L-W-H (MM) | ARTICLE NUMBER(S) |
| 143-43-30  | 002-90767         |

## Mounting accessories

### PRIMED CONCRETE MOUNTING HOUSING

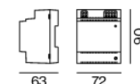
|             |                   |
|-------------|-------------------|
| L-W-H (MM)  | ARTICLE NUMBER(S) |
| 614-307-120 | 048-2695110       |



## Optional electrical accessories

### DIN RAIL POWER SUPPLY

|            |                   |
|------------|-------------------|
| L-W-H (MM) | ARTICLE NUMBER(S) |
| 72-90-63   | 005-6520210       |



### DIN RAIL LED DRIVER

|            |                   |
|------------|-------------------|
| L-W-H (MM) | ARTICLE NUMBER(S) |
| 36-88-59   | 005-6121030       |



[048-2700211W 048-2796117 002-90767] The technical data represent rated values for an ambient temperature of 25°C. The data values for the luminous flux are initially subject to a tolerance of +/- 10%, those for the electrical connected load are initially subject to a tolerance of +/- 10%, and those for the colour temperature are initially subject to a tolerance of +/- 150 K. No liability is assumed for typographical or printing errors. The general terms and conditions of XAL GmbH apply.  
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## Optional electrical accessories

### POWER SUPPLY PRE-WIRED with junction box

| ARTICLE NUMBER(S) |
|-------------------|
| 002-90767A        |
| 002-90789A        |
| 002-90776A        |
| 002-90766A        |
| 002-90780A        |
| 002-90774A        |



## Electrical accessories

### THROUGH WIRING CONNECTION BOX

| TYPE                      | L-W-H (MM) | ARTICLE NUMBER(S) |
|---------------------------|------------|-------------------|
| non DIM cable ø 4 – 12 mm | 105-58-30  | 005-2531110       |
| DALI cable ø 4 – 12 mm    | 105-58-30  | 005-2551110       |



## Optical accessories

### HONEYCOMB LOUVER

| TYPE                  | COLOUR    | Ø (MM) | ARTICLE NUMBER(S) |
|-----------------------|-----------|--------|-------------------|
| for BO 55   SASSO 100 | jet black | 50     | 007-1965598       |



## Colour rendering





CRI/R<sub>a</sub> ≥ 92 R<sub>e</sub> ≥ 89 (3500 K)



TM30 colour vector graphic



The black line represents the black body reference. The red line indicates the results of the test light source. The deviation from the test light source to the reference is shown and is marked by arrows. The shorter the arrows, the higher the color rendering.