

# SASSO 100 round wallwasher trimless soft acoustic ceiling

048-2740919A 048-2796197 002-90789



Project / Type \_\_\_\_\_

Notes \_\_\_\_\_

Count / Date \_\_\_\_\_



## General

Ceiling , Recessed  
 rotation 360°  
 gold , RAL 260-M <sup>1</sup>  
 Mounting set signal white for acoustic ceilings  
 IP20  
 2140 lm  
 fixture 91 lm/W<sup>2</sup>

## LED

2700 K  
 CRI ≥ 90  
 L85 / 50000 h  
 initial MacAdam ≤ 3 SDCM  
 R<sub>g</sub>: 101, R<sub>r</sub>: 90, R<sub>f(1-15)}</sub>: 88  
 MR 0.51  
 MDER 0.46

## Optical

wallwasher  
 PstLM ≤ 1.0 <sup>3</sup>  
 SVM ≤ 0.4 <sup>3</sup>

## Electrical

DALI-2  
 220-240 V  
 system 27.8 W  
 fixture 23.7 W  
 36 Vf  
 650 mA  
 PC2

## Physical

trimless for acoustic ceiling  
 diameter 114 mm  
 height 96 mm  
 0.71 kg

## Cutout

diameter 100 mm  
 min. ceiling thickness 25 mm  
 max. ceiling thickness 40 mm  
 recessed depth 120 mm

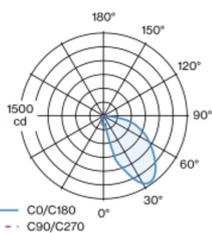
<sup>1</sup> RAL code

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

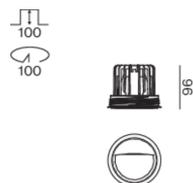
<sup>3</sup> Value of containing product at full load (undimmed)

Round recessed spotlight in die-cast aluminium; 1 lamp; surface gold; 360° rotatable; installation without tools in mounting set due to patented ball catch system; round installation housing; signal white for acoustic ceilings; for trimless installation in soft acoustic ceilings; suitable for ceiling thickness of 25-40 mm; 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 ≤ 3 SDCM; CRI ≥ 90; min. 85% of luminous flux after 50000 operating hours; energy efficient LEDs with high CRI; with specially computed, asymmetrical reflector for homogeneous lighting intensity; high quality reflector with micro-faceted, aluminum-vaporised surface; PC2; 220-240 V; incl. DALI-2 converter; through wiring connection box, 3-pole or 5-pole, available as an accessory; accessories are listed separately; light source replaceable by an authorized professional; control gear replaceable by an authorized professional;

## 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               | 0.981  | 0.959  | 0.937  | 0.916  | 0.895  |
| LSF                | 1      | 1      | 1      | 1      | 1      |

MF LMF × RSMF × LLMF × LSF  
 MF Maintenance Factor  
 LMF<sup>a</sup> Luminaire Maintenance Factor  
 RSMF<sup>a</sup> Room Surface Maintenance Factor  
 LLMF Lamp Lumens 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                            | 18                 |
| B16                            | 30                 |
| C10                            | 23                 |
| C16                            | 36                 |

## Components

### MOUNTING SET trimless for soft acoustic ceilings

| COLOUR                             | Ø (MM) | ARTICLE NUMBER(S) |
|------------------------------------|--------|-------------------|
| signal white for acoustic ceilings | 114    | 048-2796197       |



### POWER SUPPLY

| L-W-H (MM) | ARTICLE NUMBER(S) |
|------------|-------------------|
| 143-43-30  | 002-90789         |



## Mounting accessories

### MOUNTING TOOL

| COLOUR        | L-W-H (MM) | ARTICLE NUMBER(S) |
|---------------|------------|-------------------|
| traffic black | 104-104-35 | 048-2795910       |



## Electrical accessories

### THROUGH WIRING CONNECTION BOX

| TYPE                                     | L-W-H (MM) | ARTICLE NUMBER(S) |
|--|------------|-------------------|
| non DIM cable ø 4 – 12 mm, Linect®-Ready | 105-58-30  | 005-253110        |
| DALI cable ø 4 – 12 mm, Linect®-Ready    | 105-58-30  | 005-255110        |



## Optional electrical accessories

### DIN RAIL POWER SUPPLY

| TYPE  | L-W-H (MM) | ARTICLE NUMBER(S) |
|-------|------------|-------------------|
| 160 W | 72-90-63   | 005-6520210       |



### DIN RAIL LED DRIVER

| TYPE                           | L-W-H (MM) | ARTICLE NUMBER(S) |
|--------------------------------|------------|-------------------|
| DALI-2   200-1050 mA   2 x 42W | 36-88-59   | 005-6121030       |



[048-2740919A 048-2796197 002-90789] 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 PREWIRED

| TYPE                        | ARTICLE NUMBER(S) |
|-----------------------------|-------------------|
| with junktion box   non DIM | 002-90766A        |
| with junktion box   DALI-2  | 002-90767A        |
| with junktion box   non DIM | 002-90780A        |
| with junktion box   DALI-2  | 002-90789A        |
| with junktion box   non DIM | 002-90774A        |
| with junktion box   DALI-2  | 002-90776A        |