

SASSO PRO 100

adjustable flush trim square

048-2412L37F 052-1942417



Project / Type _____

Notes _____

Count / Date _____



General

Ceiling | Recessed
 tilt max 35°
 rotation 360°
 white | RAL 9016 ¹
 Mounting set traffic white
 IP20
 1830 lm

LED

tunable white | 1800 K - 3000 K
 CRI ≥ 92
 L85 / 50000 h
 initial MacAdam ≤ 3 SDCM
 R_g: 101 | R_r: 94 | R_{f(1-5)}: 97
 MR 0.64 | MDER 0.58

Optical

flood | beam angle 38°
 PstLM ≤ 1.0 ² | SVM ≤ 0.4 ²

Electrical

DALI-2 DT8 | 2 DALI Addr.
 PC2 | 220-240 V
 system 29.7 W
 system 62 lm/W ³

Physical

trim
 length 112 mm | width 112 mm | height 106 mm
 0.62 kg

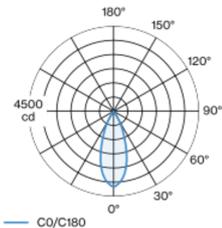
Cutout

diameter 108 mm
 min. ceiling thickness 5 mm | max. ceiling thickness 25 mm
 recessed depth 110 mm

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

Round recessed spotlight in die-cast aluminium; surface white powder coated; 360° rotatable and 35° tiltable; installation without tools in mounting set due to patented ball catch system; square installation housing; with trim traffic white; suitable for ceiling thickness of 5-25 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: tunable white diodes (1800-3000 K); binning initial MacAdam ≤ 3 SDCM; CRI ≥ 92; min. 85% of luminous flux after 50000 operating hours; energy efficient LEDs with high CRI; including high quality reflector made of plastic with spherical reflector; aluminium, vapour deposition coated; neutral colour reflection through absolute freedom from interference colour; for brilliant object staging; precise radiation characteristic with 38° beam; installed and exchanged without tools; optical attachments available as accessories; accessories are listed separately; degree of protection IP20; PC2; 220-240 V; incl. DALI-2 / DT8 converter; converter wired secondary side; through wiring connection box, 3-pole or 5-pole, available as an accessory; light source replaceable by an authorized professional; control gear replaceable by an authorized professional;

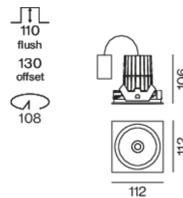
Light distribution



flood 38°

| h (m) | E0° (lx) | ø (m) |
|-------|----------|-------|
| 1 | 4010 | 0.69 |
| 2 | 1000 | 1.38 |
| 3 | 450 | 2.07 |
| 4 | 250 | 2.76 |
| 5 | 160 | 3.45 |

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 | 0.96 | 0.94 | 0.91 | 0.89 | 0.86 |
| 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 |
|--------------------------------|--------------------|
| B10 | 18 |
| B16 | 30 |
| C10 | 23 |
| C16 | 36 |

Components

MOUNTING SET with trim

| TYPE | COLOUR | L-W-H (MM) | ARTICLE NUMBER(S) |
|--------------|---------------|------------|-------------------|
| square flush | traffic white | 112-112-43 | 052-1942417 |



Mounting 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 | 005-2531110 |
| DALI cable ø 4 – 12 mm, Linect®-Ready | 105-58-30 | 005-2551110 |



Mounting accessories

PRIMED CONCRETE MOUNTING HOUSING

| L-W-H (MM) | ARTICLE NUMBER(S) |
|-------------|-------------------|
| 240-400-130 | 052-1914420 |



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Optical accessories

HONEYCOMB LOUVER

| COLOUR | Ø (MM) | ARTICLE NUMBER(S) |
|---------------|--------|-------------------|
| traffic white | 74 | 048-2191317 |
| jet black | 74 | 048-2191318 |



LINEAR PRISMATIC LENS

| COLOUR | Ø (MM) | ARTICLE NUMBER(S) |
|---------------|--------|-------------------|
| traffic white | 74 | 048-2192317 |
| jet black | 74 | 048-2192318 |



SNOOT

| COLOUR | Ø (MM) | ARTICLE NUMBER(S) |
|---------------|--------|-------------------|
| traffic white | 74 | 048-2191117 |
| jet black | 74 | 048-2191118 |



SNOOT WITH HONEYCOMB LOUVER

| COLOUR | Ø (MM) | ARTICLE NUMBER(S) |
|---------------|--------|-------------------|
| traffic white | 74 | 048-2191217 |
| jet black | 74 | 048-2191218 |

