

SASSO PRO 100

adjustable

flush trimless

048-2412638W 052-1921447



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



General

| |
|------------------------------|
| Ceiling , Recessed |
| tilt max 35° |
| rotation 360° |
| black , RAL9005 ¹ |
| IP20 |
| 2210 lm |

LED

| |
|-----------------------------------------------------------------------|
| 4000 K |
| CRI ≥ 90 |
| L80 / 50000 h |
| initial MacAdam ≤ 3 SDCM |
| R _g : 97 , R _f : 89 , R _{f(1-15)} : 91 |
| MR 0.85 |
| MDER 0.77 |

Optical

| |
|--------------------------|
| wide flood |
| beam angle 57° |
| PstLM ≤ 1.0 ² |
| SVM ≤ 0.4 ² |

Electrical

| |
|-----------------------------|
| DALI-2 |
| 220-240 V |
| system 27.0 W |
| PC2 |
| system 82 lm/W ³ |
| 1 DALI Addr. |

Physical

| |
|---------------|
| trimless |
| length 105 mm |
| width 113 mm |
| height 106 mm |
| 0.64 kg |

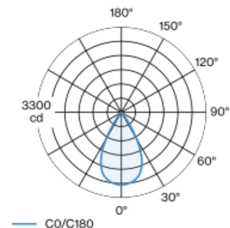
Cutout

| |
|--------------------------------|
| diameter 116 mm |
| min. ceiling thickness 12.5 mm |
| max. ceiling thickness 25 mm |
| recessed depth 110 mm |

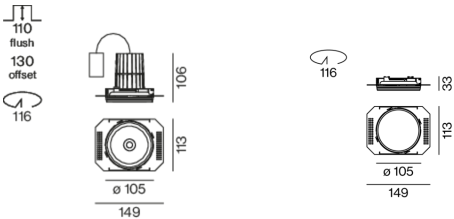
¹ RAL code ² Value of containing product at full load (undimmed)
³ incl. optical losses and the efficiency of the operating device (converter)

Round recessed spotlight in die-cast aluminium; surface black powder coated; 360° rotatable and 35° tiltable; installation without tools in mounting set due to patented ball catch system; round installation housing; for trimless installation in plasterboard ceilings; suitable for ceiling thickness of 12.5/15/25 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 4000 K; binning initial MacAdam ≤ 3 SDCM; CRI ≥ 90; min. 80% 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 57° beam; installed and exchanged without tools; optical attachments available as accessories; accessories are listed separately; degree of protection IP20; PC2; incl. DALI-2 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



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 | 0.95 | 0.91 | 0.87 | 0.83 | 0.8 |
| 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 Faktor | |

^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

| TYPE | L-W-H (MM) | ARTICLE NUMBER(S) |
|-------|------------|-------------------|
| flush | 149-113-33 | 052-1921447 |



Mounting 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 |



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 |

