

SASSO PRO 100

adjustable

offset trimless

048-2412538W 052-1931447

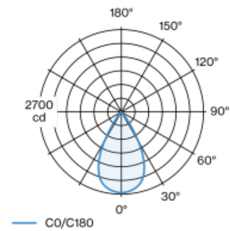


| | |
|----------------|--|
| Project / Type | |
| Notes | |
| Count / Date | |

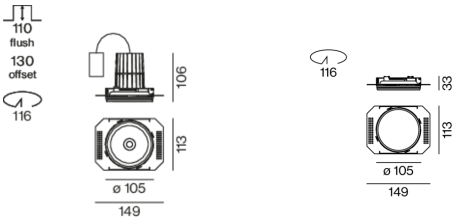


Round recessed spotlight in die-cast aluminium with recessed luminaire plane; surface black powder coated; 360° rotatable and 35° tiltable; installation without tools in mounting set due to patented ball catch system; round installation housing traffic white; for trimless installation in plasterboard 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 3000 K; binning initial MacAdam ≤ 3 SDCM; CRI ≥ 90 ; 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 57° 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 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



General

| | |
|-------------------------------|--|
| Ceiling , Recessed | |
| tilt max 35° | |
| rotation 360° | |
| black , RAL 9005 ¹ | |
| Mounting set traffic white | |
| IP20 | |
| 2090 lm | |

LED

| | |
|--|--|
| 3000 K | |
| CRI ≥ 90 | |
| L85 / 50000 h | |
| initial MacAdam ≤ 3 SDCM | |
| R _g : 100 , R _f : 89 , R _{f(1-15)} : 89 | |
| MR 0.56 | |
| MDER 0.51 | |

Optical

| | |
|---------------------------------------|--|
| wide flood | |
| beam angle 57° | |
| $\geq 65^\circ < 3000 \text{ cd/m}^2$ | |
| PstLM ≤ 1.0 ² | |
| SVM ≤ 0.4 ² | |

Electrical

| | |
|-----------------------------|--|
| DALI-2 | |
| 220-240 V | |
| system 27.0 W | |
| system 77 lm/W ³ | |
| PC2 | |
| 1 DALI Addr. | |

Physical

| | |
|-----------------|--|
| trimless | |
| diameter 105 mm | |
| height 106 mm | |
| 0.6 kg | |

Cutout

| | |
|--------------------------------|--|
| diameter 116 mm | |
| min. ceiling thickness 12.5 mm | |
| max. ceiling thickness 25 mm | |
| recessed depth 130 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

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

| TYPE | COLOUR | L-W-H (MM) | ARTICLE NUMBER(S) |
|--------------|---------------|------------|-------------------|
| offset 17 mm | traffic white | 149-113-33 | 052-1931447 |



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 |

