

SONO LOOP 350 IP54

direct

surface

871-813653DO



Project / Type

Notes

Count / Date



| |
|-----------------------------------|
| General |
| Ceiling / Wall , Surface |
| dark grey , RAL 9007 ¹ |
| IP54 |
| IK07 |
| 1940 lm |

| |
|--------------------------|
| LED |
| 3000 K |
| CRI ≥ 80 |
| L90 / 50000 h |
| initial MacAdam ≤ 3 SDCM |
| MR 0.54 |
| MDER 0.49 |

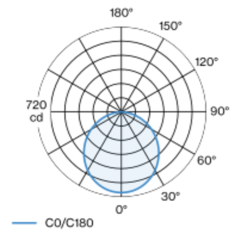
| |
|--------------------------|
| Optical |
| Opal |
| opal (lambertsch) |
| PstLM ≤ 1.0 ² |
| SVM ≤ 0.4 ² |

| |
|------------------------------|
| Electrical |
| DALI-2 |
| 220-240 V |
| system 15.9 W |
| system 122 lm/W ³ |
| PC1 |
| 1 DALI Addr. |

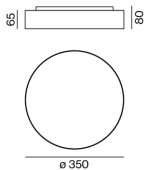
| |
|-----------------|
| Physical |
| diameter 350 mm |
| height 80 mm |
| 2.8 kg |

Round luminaire housing in die-cast aluminium; attached ring in rolled and seamlessly welded aluminium profile; surface dark grey powder coated; suitable for wall or ceiling mounting; time saving installation through snap-in mounting system; LED board highly reflective lacquered for higher efficiency; same luminance for all size versions; light colour 3000 K; binning initial MacAdam ≤ 3 SDCM; CRI ≥ 80; min. 90% of luminous flux after 50000 operating hours; energy efficient LEDs with high CRI; completely homogeneously illuminated, satin PMMA cover; luminaire with 2 cable openings and plug-in terminal for through wiring; degree of protection IP54; PC1; 220-240 V; shock resistance IK07; internal wiring in light halogen free; incl. DALI-2 converter; light source not replaceable; control gear replaceable by an authorized professional;

Light distribution



Product drawing



¹ RAL code ² Value of containing product at full load (undimmed)
³ FIXTURE: incl. consideration of optical losses & internal control unit losses SYSTEM: incl. consideration of optical losses, internal control unit losses & operating device efficiency.

Installation instructions



SONO LOOP 350 IP54

direct

surface

871-813653DO



Project / Type

Notes

Count / Date

Maintenance Factors

| Operating Time [h] | 10 000 | 20 000 | 30 000 | 40 000 | 50 000 |
|--------------------|--------|--------|--------|--------|--------|
| LLMF | 0.98 | 0.95 | 0.93 | 0.91 | 0.9 |
| LSF | 1 | 1 | 1 | 1 | 1 |

MF

MF

LMF^a

LMF × RSMF × LLMF × LSF

Maintenance Factor

Luminaire Maintenance Factor

RSMF^a

LLMF

LSF

Room Surface Maintenance Factor

Lamp Lumens Maintenance Factor

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 | 21 |
| B13 | 28 |
| B16 | 35 |
| B20 | 44 |
| C10 | 35 |
| C13 | 46 |
| C16 | 58 |
| C20 | 73 |