

SONIC direct / indirect

suspended

059-7421536P



Project / Type

Notes

Count / Date



General

Ceiling , Suspended

dark grey , RAL 7021 ¹

IP20

indirect 4940 lm

direct 5000 lm

total 9940 lm

LED

3000 K

CRI ≥ 80

L90 / 50000 h

initial MacAdam ≤ 3 SDCM

MR 0.54

MDER 0.49

Optical

Microprismatic

microprismatic

UGR < 19

PstLM ≤ 1.0 ²

SVM ≤ 0.4 ²

Electrical

DALI-2

220-240 V

system 69 W

system 144 lm/W³

PC1

1 DALI Addr.

Physical

rod 1000 mm

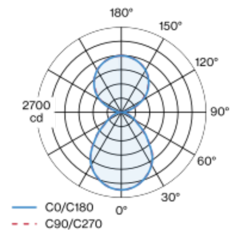
diameter 500 mm

height 52 mm

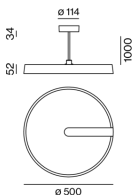
5.6 kg

Conical light housing in die-cast aluminium; surface dark grey powder coated; suspended luminaire with adjustable pendant rod mounting (chrome) 1000mm, feed in rod; direct/indirect illumination characteristic; indirect light component with special PCBs for increased luminous flux and maximum ceiling illumination; indirect component covered with opal cover; direct lighting portion: micro prismatic PMMA cover; perfectly uniform illumination through use of a diffuse polycarbonate-based film; better light dispersion to transparency ratio; UGR ≤ 19; 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; degree of protection IP20; PC1; 220-240 V; internal wiring in light halogen free; canopy with 2 cable openings and plug-in terminal for through wiring; incl. DALI-2 converter; sound absorbing accessories available: acoustic elements made of high quality, self-supporting, at least 50 % recycled PET felt (high acoustic performance by doubling the material) or as an acoustically effective lampshade (large selection of colours) with sound absorbing properties; light source replaceable by an authorized professional; 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



Lighting calculator





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 | 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 | 31 |
| B13 | 40 |
| B16 | 50 |
| B20 | 62 |
| B25 | 78 |
| C10 | 52 |
| C13 | 67 |
| C16 | 85 |
| C20 | 104 |
| C25 | 130 |

Acoustic accessories

ABSORBER RING

| COLOUR | Ø (MM) | ARTICLE NUMBER(S) |
|-------------|--------|-------------------|
| white | 1280 | 059-771111W |
| marble grey | 1280 | 059-771111D |
| black | 1280 | 059-771111L |



SOUNDCAP

| COLOUR | Ø (MM) | ARTICLE NUMBER(S) |
|--------------------------|--------|-------------------|
| marble grey | 527 | 059-773111D |
| felt grey | 527 | 059-773111G |
| black | 527 | 059-773111L |
| white | 527 | 059-773111W |
| acoustic special colours | 527 | 059-773111X |

