

SOUNDCATCHER sharp

square 1000 sensor light

acoustic

suspended

091-31815B8R 091-311120G



Project / Type

Notes

Count / Date



General

jet black | RAL 9005 ¹

felt grey

PET felt (made of at least 50% post-consumer recycled material)

IP20

2090 lm

LED

3000 K

CRI \geq 80

L90 / 50000 h

initial MacAdam \leq 3 SDCM

MR 0.56 | MDER 0.51

Optical

Reflector chrome | symmetric

UGR \leq 19 | $\geq 65^\circ$ < 1500 cd/m²

PstLM \leq 1.0 ² | SVM \leq 0.4 ²

Electrical

DALI-2 ESSENTIAL sensor | 1 DALI Addr.

brightness & presence

PC1 | 220-240 V

system 15.0 W

system 139 lm/W ³

Physical

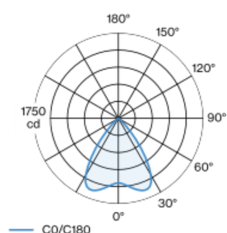
rod 977 mm

diameter 240 mm | height 45 mm

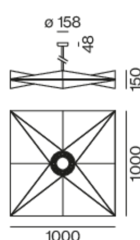


Acoustic element made of high quality, self-supporting, at least 50% recycled PET felt with sound absorbing properties; in different moldings; constructed of two layers; choice of square, round or octagonal design; suitable for single or group installation; high quality visual and tactile surface; acoustically effective cavities; large sound absorbing surface; absorption of direct sound and sound reflected from the ceiling; this creates high acoustic performance; pendant fitting with MITA circle 240 acoustic suspended (LUMINAIRE or BLIND SUSPENSION); LUMINAIRE: ring shaped luminaire housing in die-cast aluminium; extremely slim design; surface powder coated; suspended; with height adjustable rod suspension (chrome), feed in rod; electronic operating unit installed in the canopy; high gloss reflector with faceted design; energy-efficient LEDs with very good colour rendering; optionally with sensor

Light distribution



Product drawing



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

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Maintenance Factors

| Operating Time [h] | 10 000 | 20 000 | 30 000 | 40 000 | 50 000 |
|--------------------|------------------------------|--------|-------------------|---------------------------------|--------|
| LLMF | 0.98 | 0.96 | 0.94 | 0.92 | 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 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 |

Equivalent sound absorption area (A_{eq})

| 125 HZ | 250 HZ | 500 HZ | 1000 HZ | 2000 HZ | 4000 HZ |
|--------|--------|--------|---------|---------|---------|
| 0.5 | 0.9 | 1.2 | 1.6 | 2 | 2.1 |

Components

SOUNDCATCHER sharp square

| COLOUR | L-W-H (MM) | ARTICLE NUMBER(S) |
|-----------|---------------|-------------------|
| felt grey | 1000-1000-150 | 091-311120G |

Mounting accessories

SYSTEM CONNECTOR

| TYPE | COLOUR | ARTICLE NUMBER(S) |
|-----------------------|---------------|-------------------|
| set of two connectors | traffic white | 091-3191007 |
| set of two connectors | jet black | 091-3191008 |

