

SOUNDCATCHER soft

square 1000 sensor light

acoustic

suspended

091-31805B8R 091-312120D



Project / Type _____

Notes _____

Count / Date _____



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



General

jet black | RAL 9005 ¹ _____

marble grey _____

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

IP20 _____

1940 lm _____

LED

3000 K _____

CRI ≥ 80 _____

L90 / 50000 h _____

initial MacAdam ≤ 3 SDCM _____

MR 0.56 | MDER 0.51 _____

Optical

Reflector chrome | symmetric _____

UGR ≤ 19 | ≥65° <1500 cd/m² _____

PstLM ≤ 1.0 ² | SVM ≤ 0.4 ² _____

Electrical

DALI-2 ESSENTIAL sensor | 1 DALI Addr. _____

brightness & presence _____

PC1 | 220-240 V _____

system 13.7 W _____

system 142 lm/W ³ _____

Physical

rod 977 mm _____

diameter 240 mm | height 45 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



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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 | 72 |
| B16 | 115 |
| C10 | 106 |
| C16 | 170 |

Equivalent sound absorption area (A_{eq})

| 125 HZ | 250 HZ | 500 HZ | 1000 HZ | 2000 HZ | 4000 HZ |
|--------|--------|--------|---------|---------|---------|
| 0.5 | 0.9 | 1.3 | 1.7 | 1.8 | 2.1 |

Components

SOUNDCATCHER soft square

| COLOUR | L-W-H (MM) | ARTICLE NUMBER(S) |
|-------------|---------------|-------------------|
| marble grey | 1000-1000-154 | 091-312120D |

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 |



[091-31805B8R 091-312120D] The technical data represent rated values for an ambient temperature of 25°C. The data values for the luminous flux are initially subject to a tolerance of +/- 10%, those for the electrical connected load are initially subject to a tolerance of +/- 10%, and those for the colour temperature are initially subject to a tolerance of +/- 150 K. No liability is assumed for typographical or printing errors. The general terms and conditions of XAL GmbH apply.

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