

# SOUNDCATCHER soft

## square 1000 sensor light

### acoustic

suspended

091-31806B7R 091-312120B



Project / Type

Notes

Count / Date



#### General

traffic white | RAL 9016 <sup>1</sup>

anthracite

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

IP20

2210 lm

#### LED

4000 K

CRI  $\geq$  80

L90 / 50000 h

initial MacAdam  $\leq$  3 SDCM

MR 0.72 | MDER 0.65

#### Optical

Reflector chrome | symmetric

UGR  $\leq$  19 |  $\geq 65^\circ$   $< 1500$  cd/m<sup>2</sup>

PstLM  $\leq$  1.0 <sup>2</sup> | SVM  $\leq$  0.4 <sup>2</sup>

#### Electrical

DALI-2 ESSENTIAL sensor | 1 DALI Addr.

brightness & presence

PC1 | 220-240 V

system 13.7 W

system 161 lm/W <sup>3</sup>

#### Physical

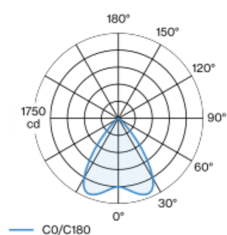
rod 977 mm

diameter 240 mm | height 45 mm

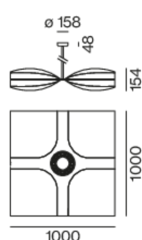


Acoustic element made of high quality, self-supporting, at least 50% recycled PET felt with sound absorbing properties; in different moldings; constructed of two layers; choice of square, round or octagonal design; suitable for single or group installation; high quality visual and tactile surface; acoustically 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



<sup>1</sup> RAL code <sup>2</sup> Value of containing product at full load (undimmed)

<sup>3</sup> 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 <sup>a</sup> | Room Surface Maintenance Factor |        |
| MF                 | Maintenance Factor           |        | LLMF              | Lamp Lumens Maintenance Factor  |        |
| LMF <sup>a</sup>   | Luminaire Maintenance Factor |        | LSF               | Lamp Survival Factor            |        |

<sup>a</sup> 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<sub>eq</sub>)

| 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) |
|------------|---------------|-------------------|
| anthracite | 1000-1000-154 | 091-312120B       |

## 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       |



['091-31806B7R 091-312120B'] 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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