

SOUNDCATCHER sharp

square 1000 light acoustic

suspended

091-3181637B 091-311120B



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

traffic white | RAL 9016 ¹
anthracite
PET felt (made of at least 50% post-consumer recycled material)
IP20
1700 lm

LED

4000 K
CRI ≥ 80
L90 / 50000 h
initial MacAdam ≤ 3 SDCM
MR 0.72 | MDER 0.65

Optical

Reflector dark chrome | symmetric
UGR ≤ 19 | ≥65° <1500 cd/m²
PstLM ≤ 1.0 ² | SVM ≤ 0.4 ²

Electrical

DALI-2 | 1 DALI Addr.
PC1 | 220-240 V
system 15.0 W
system 113 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



SOUNDCATCHER sharp square 1000 light acoustic

suspended

091-3181637B 091-311120B



Project / Type

Notes

Count / Date

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)
anthracite	1000-1000-150	091-311120B

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



[091-3181637B 091-311120B] 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.

© XAL GmbH · Auer-Welsbach-Gasse 36 · 8055 Graz · Austria · www.xal.com

09.06.2025

2 / 2