

# MUSE light/baffle

acoustic suspended

**EN** Luminaire body or acoustic element made of high-quality, self-supporting, recycled PET felt with sound absorbing properties; high-quality visual and tactile surface; constructed of 2 shells to form cavities that improve acoustic performance; large sound absorbing surface; pendant fitting with cable suspension; tool-less suspension height adjustment of the luminaire or of the acoustic element; MUSE LIGHT: optimised for the illumination of office workstations; incl. transparent feed; light inset made from extruded profile for improved thermal management; high-gloss reflector with faceted design; energy-efficient LEDs with very good colour rendering

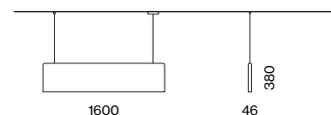
**DE** Leuchtenkörper bzw. Akustikelement aus hochwertigem, selbsttragendem, recyceltem PET-Filz mit schallabsorbierenden Eigenschaften; optisch und haptisch hochwertige Oberfläche; Aufbau aus 2 Schalen, dadurch bilden sich Hohlräume zur Verbesserung der akustischen Performance; große schallabsorbierende Oberfläche; abgependelt mit Seilabhängung; werkzeuglose Höhenverstellung an der Leuchte bzw. am Akustikelement; MUSE LIGHT: optimiert zur Ausleuchtung von Büroarbeitsplätzen; inkl. transparenter Einspeiseleitung; Lichteinsatz aus Strangpressprofil für verbessertes Thermomanagement; hochglänzender Reflektor mit Facettenoptik; energieeffiziente LEDs mit sehr guter Farbwiedergabe

## Quickinfo

3000 K, 4000 K  
 CRI ≥ 80, 3 SDCM  
 UGR ≤ 19 / 65° ≤ 1500 cd/m²  
 up to 109lm/W  
 L90 @ 50 000h  
 DALI-2  
 reflector (UGR ≤ 19)

PET felt  
 ♻️ from recycled material  
 up to absorber class A

## Type



## Colours



## Light distribution



direct



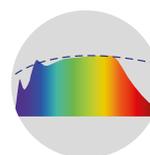
DiiA® standards  
 251, 252, 253



DIN EN 12464-1  
 UGR ≤ 19



sound absorption  
 by recycled PET



CRI ≥ 98  
 XPECTRUM

### Order options

<b>COLOUR TEMPERATURE</b>	☐☐
3000K	5
4000K	6

<b>CONTROL</b>	
DALI-2	

<b>MATERIAL COLOUR</b>	☑
● anthracite	B
● felt grey	G
● bright blue	P
● indigo blue	E

canopy always in white  
other colours on request

<b>LIGHT INSET COLOUR</b>	
grey cover / chrome reflector	

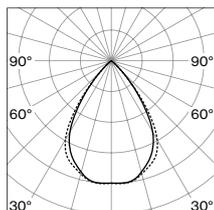
### Options on request

<b>COLOUR RENDERING INDEX</b>	
CRI ≥ 98 XPECTRUM	

<b>CONTROL</b>	
brightness & presence sensor	

<b>LIGHT INSET COLOUR</b>	
black cover / black reflector	
white cover / chrome reflector	
black cover / chrome reflector	

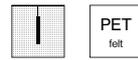
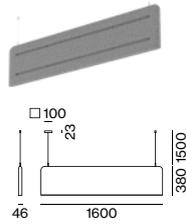
### Light distribution



chrome reflector  
direct

**LUMINOUS FLUX** value calculated for  
CRI ≥ 80, cover grey, reflector chrome

### MUSE BAFFLE suspended



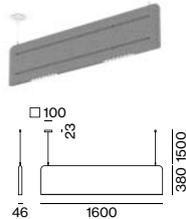
#### ACOUSTIC BAFFLE

L (mm)  
1600

**ORDER CODE**

091-101111 ☑

### MUSE LIGHT suspended



#### ACOUSTIC LUMINAIRE

**SYS. POWER**  
20W

**COLOUR TEMP.**  
3000K  
4000K

**LUM. FLUX**  
2080lm  
2200lm

L (mm)  
1600

**ORDER CODE**

091-12111 ☑☑☑☑

### Lighting calculation



#### MUSE LIGHT

20W direct, 4000K, chrome reflector  
+ MUSE BAFFLE (every 2<sup>nd</sup>)

#### ROOM VALUES

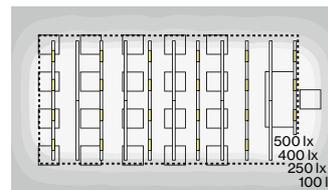
Room dimensions	9 × 5 × 3 m
Room volume	135 m <sup>3</sup>
Reflection factor	0.7   0.5   0.2
Maintenance factor	0.8
Mounting height	2.23 m

#### CALCULATION SURFACE

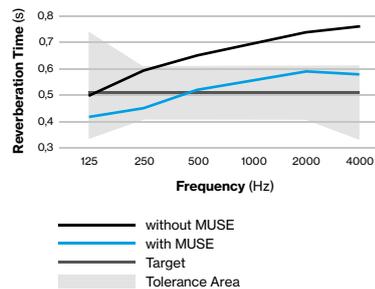
Surface dimensions	8 × 4
Surface height	0.75 m
Average illuminance (E <sub>av</sub> )	> 500 lx

#### GLARE EVALUATION

Table Classification	X=4H   Y=8H   S=0.25H
UGR transversal	≤ 19
UGR axial	≤ 19
	≥ 65° ≤ 1500 cd/m <sup>2</sup>



### Acoustic calculation



#### ACOUSTIC PARAMETERS

Target Reverberation Time	0.51s*
RT without MUSE	0.66s
RT with MUSE	0.52s

\*according to DIN 18041, room category  
A3 (education/communication)

#### MATERIALS

Walls	Hardboard
Ceiling	Gypsum Board
Floor	Hardwood