

reddot award 2019  
winner

## 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

**IT** Corpo faro ed elemento acustico in feltro prodotto con PET riciclato di alta qualità, autoportante e con proprietà fonoassorbenti; finitura con caratteristiche estetiche e tattili di alta qualità; struttura composta da 2 gusci in modo da formare cavità per migliorare le prestazioni acustiche; ampia superficie fonoassorbente; sospeso con cavo a sospensione; regolazione in altezza senza attrezzi sulla lampada o sull'elemento acustico; MUSE LIGHT: ottimizzato per l'illuminazione di postazioni di lavoro; incl. cavo di alimentazione trasparente; unità d'illuminazione in profilo di alluminio estruso per migliorare il bilancio termico; riflettore ad alta lucentezza con design sfaccettato; LED ad efficienza energetica con elevata resa cromatica

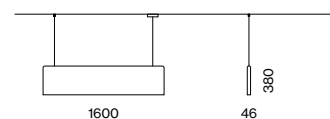
### Quickinfo

3000 K, 4000 K  
CRI  $\geq 80$ , 3 SDCM  
UGR  $\leq 19$  /  $65^\circ \leq 1500$  cd/m<sup>2</sup>  
up to 109 lm/W  
L90 @ 50 000 h  
DALI-2  
reflector (UGR  $\leq 19$ )

PET felt

♻️ from recycled material  
up to absorber class A

### Type



### Colours



### Light distribution



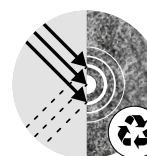
direct



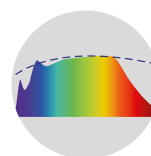
DiiA® standards  
251, 252, 253



DIN EN 12464-1  
UGR  $\leq 19$



sound absorption  
by recycled PET



CRI  $\geq 98$   
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

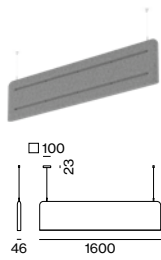
<b>LIGHT INSET COLOUR</b>	
grey cover / chrome reflector	

### Options on request

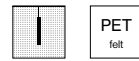
<b>COLOUR RENDERING INDEX</b>	
CRI ≥ 98 XPECTRUM	

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

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



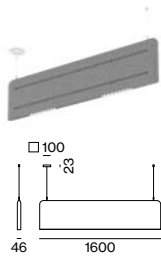
### MUSE BAFFLE suspended



#### ACOUSTIC BAFFLE

L (mm)  
1600

**ORDER CODE**  
091-101111 ☑



### MUSE LIGHT suspended



#### ACOUSTIC LUMINAIRE

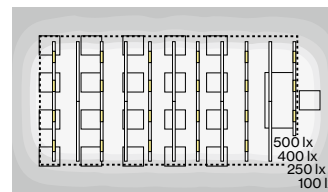
<b>SYS. POWER</b>	<b>COLOUR TEMP.</b>	<b>LUM. FLUX</b>	<b>L (mm)</b>	<b>ORDER CODE</b>
20W	3000K	2080lm	1600	091-12111 ☑☑☑☑
	4000K	2200lm		

### Lighting calculation



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

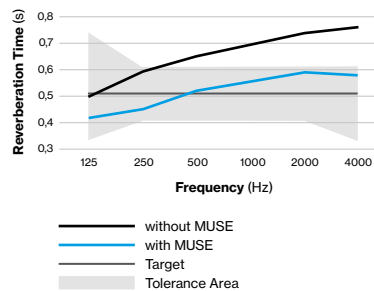
<b>ROOM VALUES</b>	
Room dimensions	9 × 5 × 3 m
Room volume	135 m <sup>3</sup>
Reflection factor	0.7   0.5   0.2
Maintenance factor	0.8
Mounting height	2.23 m



<b>CALCULATION SURFACE</b> .....	
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

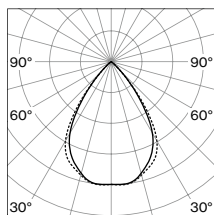


<b>ACOUSTIC PARAMETERS</b>	
Target Reverberation Time	0.51s*
RT without MUSE	0.66s
RT with MUSE	0.52s

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

<b>MATERIALS</b>	
Walls	Hardboard
Ceiling	Gypsum Board
Floor	Hardwood

### Light distribution



chrome reflector  
direct

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