

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

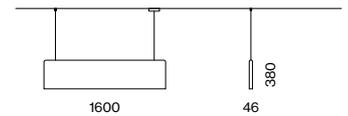
ES Cuerpo luminoso y elemento acústico de fieltro PET reciclado y autoportante de calidad superior con propiedades de absorción del sonido; superficie de gran calidad óptica y táctil; estructura de dos cuencos, así se generan huecos para mejorar el rendimiento acústico; superficie de absorción sonora grande; suspendido con cable; ajuste de altura sin herramienta de la luminaria y del elemento acústico; MUSE LIGHT: optimizado para iluminación de 2 puestos de oficina; incluido cable de alimentación transparente; inserto luminoso de perfil extruido para una mejor gestión del calor; reflector de alto brillo con óptica facetada; LEDs de alta eficiencia que proporcionan una alta reproducción cromática

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



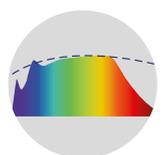
DiiA® standards
251, 252, 253



DIN EN 12464-1
UGR ≤ 19



sound absorption
by recycled PET



CRI ≥ 98
XPECTRUM

Order options

COLOUR TEMPERATURE	☐☐
3000K	5
4000K	6

CONTROL	
DALI-2	

MATERIAL COLOUR	☑
● anthracite	B
● felt grey	G
● bright blue	P
● indigo blue	E

canopy always in white
other colours on request

LIGHT INSET COLOUR	
grey cover / chrome reflector	

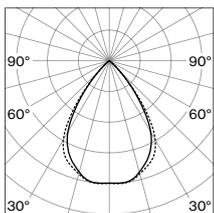
Options on request

COLOUR RENDERING INDEX	
CRI ≥ 98 XPECTRUM	

CONTROL	
brightness & presence sensor	

LIGHT INSET COLOUR	
black cover / black reflector	
white cover / chrome reflector	
black cover / chrome reflector	

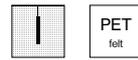
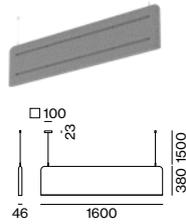
Light distribution



chrome reflector
direct

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

MUSE BAFFLE suspended



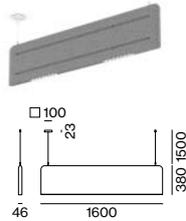
ACOUSTIC BAFFLE

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

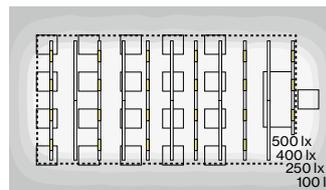


MUSE LIGHT

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

ROOM VALUES

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



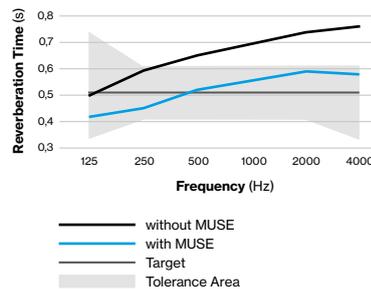
CALCULATION SURFACE

Surface dimensions	8 × 4
Surface height	0.75 m
Average illuminance (E _{av})	> 500 lx

GLARE EVALUATION

Table Classification X=4H | Y=8H | S=0.25H
UGR transversal ≤ 19
UGR axial ≤ 19
≥ 65° ≤ 1500 cd/m²

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