



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

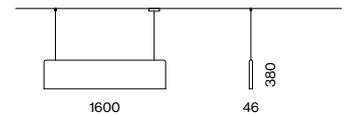
Quickinfo

3000 K, 4000 K
CRI \geq 80, 3 SDCM
UGR \leq 19 / $65^\circ \leq 1500$ cd/m²
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



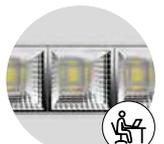
Light distribution



direct



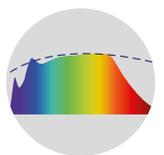
DiiA® standards
251, 252, 253



DIN EN 12464-1
UGR \leq 19



sound absorption
by recycled PET



CRI \geq 98
XPECTRUM

Order options

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

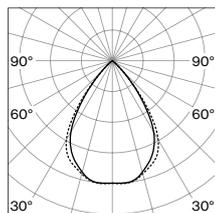
CONTROL

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

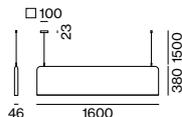


ACOUSTIC BAFFLE

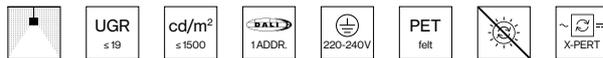
L (mm)
1600

ORDER CODE

091-101111

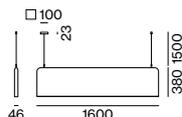


MUSE LIGHT suspended



ACOUSTIC LUMINAIRE

SYS. POWER	COLOUR TEMP.	LUM. FLUX	L (mm)	ORDER CODE
20W	3000K 4000K	2080lm 2200lm	1600	091-121113



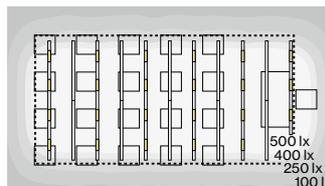
Lighting calculation



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



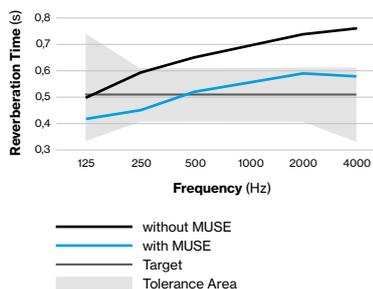
CALCULATION SURFACE

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