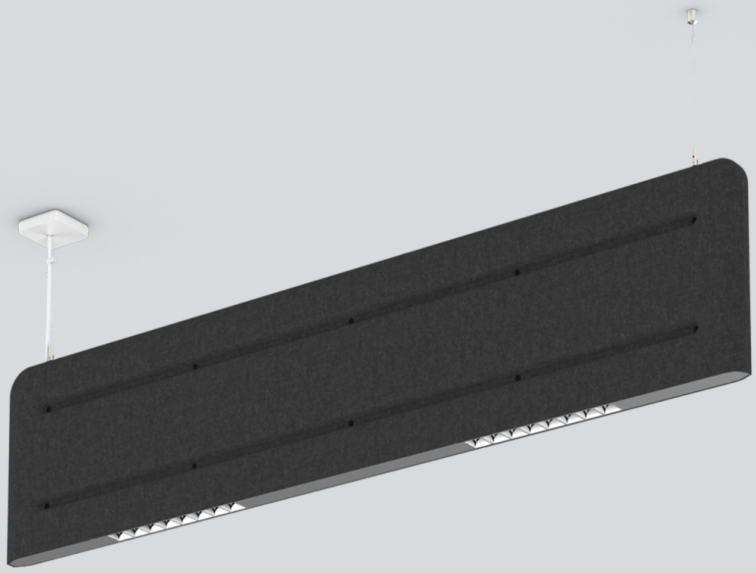
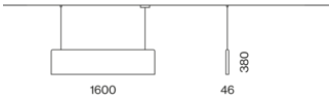


## Quickinfo

3000 K, 4000 K
CRI ≥ 80 / 3 SDCM (initial MacAdam)
UGR ≤ 19
hasta 108 lm/W
L80 / 50000 h
DALI-2
IP20
fieltro PET compuesto de al menos un 50% de material reciclado post-consumer
hasta clase de absorbente A

### Types




### Colours



### Distribución luminosa



# **MUSE LIGHT** acoustic

suspended

EN Luminaire body made of high quality, self-supporting, at least 75% 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; with integrated tool-less suspension height adjustment; 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 de fieltro PET al menos un 75% 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; regulación de la altura sin necesitar herramientas; optimizado para iluminación de 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



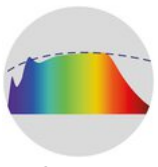

DiiA® standards 251, 252, 253



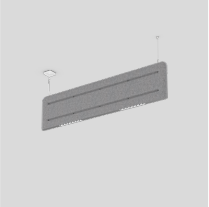
DIN EN 12464-1 UGR ≤ 19



sound absorption by PET felt from at least 75% recycled material



CRI ≥ 98 XPECTRUM (optional)

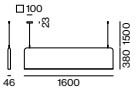


## **MUSE LIGHT** ACOUSTIC SUSPENDED

CRI ≥80 | UGR ≤19 | cd/m² ≤1500 | 220-240 V | DALI 1 ADDR. | X-PERT | A B C D E $\alpha_w$ = 0.45 | PET felt | 0.55 NRC | 0.55 SAA

CRI ≥ 80, DALI-2

| SYSTEM | COLOUR TEMP. | LUM. FLUX | EFFICACY | ORDER CODE |
|---|---|---|---|---|
| 20.3 W | 3000 K | 2080 lm | 102 lm/W | 0 9 1 - 1 2 1 1 5 3 ◪ F |
| | 4000 K | 2200 lm | 108 lm/W | 0 9 1 - 1 2 1 1 6 3 ◪ F |



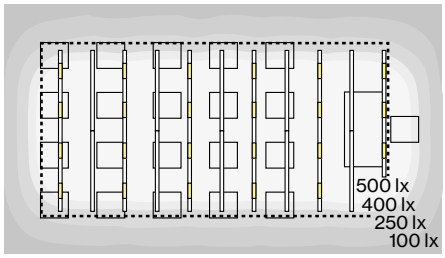

Light inset colour: grey cover / chrome reflector, canopy always in white

## EQUIVALENT SOUND ABSORPTION AREA ($A_{EQ}$ M²)

| 125Hz | 250Hz | 500Hz | 1000Hz | 2000Hz | 4000Hz |
|---|---|---|---|---|---|
| 0.1 | 0.2 | 0.57 | 0.93 | 0.97 | 0.93 |

## Planning Information






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

**ROOM VALUES**

| | |
|---|---|
| Room dimensions | 9 × 5 × 3 m |
| Room volume | 135 m² |
| 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 ($E_m$) | > 500 lx |

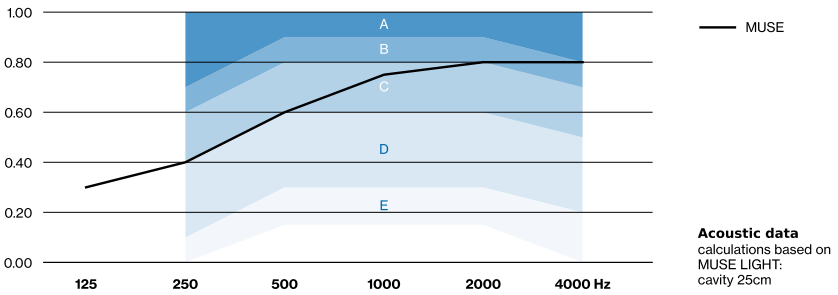
**GLARE EVALUATION**

Table Classification X=4H | Y=8H | S=0.25H

| | |
|---|---|
| UGR transversal | ≤19 |
| UGR axial | ≤19 |

≥ 65° ≤ 1500 cd/m²

## SOUND ABSORPTION COEFFICIENTS




**Acoustic data**
calculations based on MUSE LIGHT:
cavity 25cm

## Order options

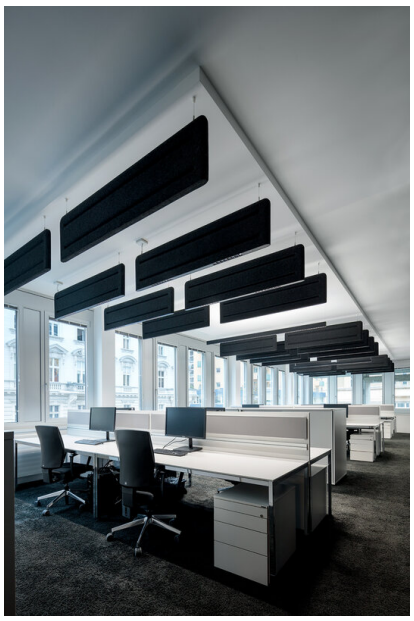
| COLOUR ◪ | |
|---|---|
| anthracite RAL 7021 | B |
| indigo blue | E |
| felt grey RAL 7037 | G |
| bright blue | P |

# XAL Office, Vienna

Austria

**Lighting Design**
XAL Lighting Design

**Fotografía**
Kurt Kuball



**Productos utilizados**



**MUSE DOUBLE LIGHT acoustic suspended**



**MUSE LIGHT acoustic suspended**



**MUSE BAFFLE acoustic suspended**



**LENO surface**



**LITO 60 suspended**

No liability is assumed for typographical or printing errors.
© XAL GmbH · Auer-Welsbach-Gasse 36 · 8055 Graz · Austria · www.xal.com



