



## LENO

suspended

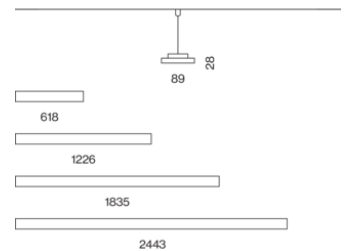
**EN** Low profile suspended luminaire, 28 mm total height; pendant fitting with cable suspension; with integrated toolless suspension height adjustment; incl. feeder cable; surface powder coated; fall-safe light inset made of extruded aluminium profile, can be inserted in the canal without tools by magnetic holders; side coupled light, directed downwards by LGP body (Light Guiding Prism) and highly efficient reflector; homogeneously illuminated, satinised (flush or jut-out) or microprismatic PMMA cover; energy-efficient LEDs with very good colour rendering

**ES** Lámpara suspendida extremadamente plana con altura total de 28 mm; suspendido con cable; regulación de la altura sin necesitar herramientas; incl. cable de alimentación; superficie con recubrimiento de pintura en polvo; elemento de luz asegurado contra caídas de perfil de aluminio extrusionado que se puede introducir en el canal sin herramientas por medio de un soporte magnético; fuente de luz insertada en un lateral que es guiada y reflectada a través de unos prismas y reflector de alta calidad; cubierta de PMMA iluminada homogéneamente, satinada (enrasada o sobresaliente) o microprismática; LEDS de alta eficiencia que proporcionan una alta reproducción cromática

### Quickinfo

3000 K, 4000 K  
 CRI  $\geq$  80 / 3 SDCM (initial MacAdam)  
 UGR  $\leq$  19  
 hasta 2,130 lm/m  
 hasta 140 lm/W  
 L90 / 50000 h  
 DALI-2  
 High Performance Opal, Jut-Out, Microprismatic  
 IP20

### Types



### Color



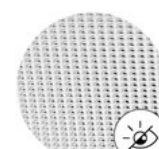
### Distribución luminosa



DiiA® standards  
 251, 252, 253



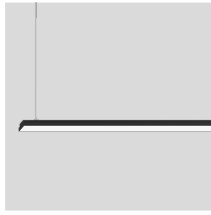
system solution



microprismatic  
 UGR  $\leq$  19



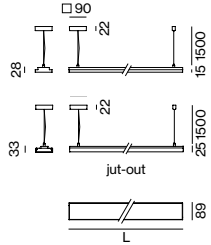
quick  
 installation



## LENO suspended



### MICROPRISMATIC (UGR ≤ 19) CRI ≥ 80, DALI-2



SYSTEM	LENGTH	COLOUR TEMP.	LUM. FLUX	EFFICACY	ORDER CODE
9.9 W	618 mm	3000 K	1160 lm	117 lm/W	0 5 1 - 9 2 1 2 5 3 <input checked="" type="checkbox"/> G
		4000 K	1230 lm	124 lm/W	0 5 1 - 9 2 1 2 6 3 <input checked="" type="checkbox"/> G
19.1 W	1226 mm	3000 K	2320 lm	121 lm/W	0 5 1 - 9 2 1 4 5 3 <input checked="" type="checkbox"/> G
		4000 K	2450 lm	128 lm/W	0 5 1 - 9 2 1 4 6 3 <input checked="" type="checkbox"/> G
28.6 W	1835 mm	3000 K	3480 lm	122 lm/W	0 5 1 - 9 2 1 6 5 3 <input checked="" type="checkbox"/> G
		4000 K	3680 lm	129 lm/W	0 5 1 - 9 2 1 6 6 3 <input checked="" type="checkbox"/> G
37.0 W	2443 mm	3000 K	4630 lm	125 lm/W	0 5 1 - 9 2 1 8 5 3 <input checked="" type="checkbox"/> G
		4000 K	4910 lm	133 lm/W	0 5 1 - 9 2 1 8 6 3 <input checked="" type="checkbox"/> G

### OPAL CRI ≥ 80, DALI-2

SYSTEM	LENGTH	COLOUR TEMP.	LUM. FLUX	EFFICACY	ORDER CODE
9.9 W	618 mm	3000 K	1220 lm	123 lm/W	0 5 1 - 9 2 1 2 5 3 <input checked="" type="checkbox"/> H
		4000 K	1300 lm	131 lm/W	0 5 1 - 9 2 1 2 6 3 <input checked="" type="checkbox"/> H
19.1 W	1226 mm	3000 K	2450 lm	128 lm/W	0 5 1 - 9 2 1 4 5 3 <input checked="" type="checkbox"/> H
		4000 K	2590 lm	136 lm/W	0 5 1 - 9 2 1 4 6 3 <input checked="" type="checkbox"/> H
28.6 W	1835 mm	3000 K	3670 lm	128 lm/W	0 5 1 - 9 2 1 6 5 3 <input checked="" type="checkbox"/> H
		4000 K	3890 lm	136 lm/W	0 5 1 - 9 2 1 6 6 3 <input checked="" type="checkbox"/> H
37.0 W	2443 mm	3000 K	4900 lm	132 lm/W	0 5 1 - 9 2 1 8 5 3 <input checked="" type="checkbox"/> H
		4000 K	5190 lm	140 lm/W	0 5 1 - 9 2 1 8 6 3 <input checked="" type="checkbox"/> H

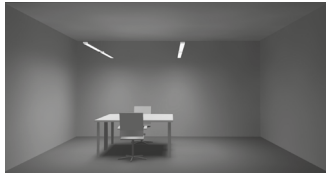
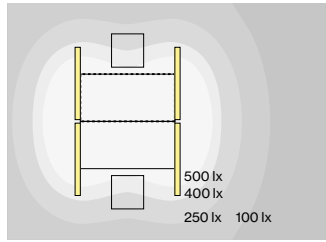
### OPAL JUT-OUT CRI ≥ 80, DALI-2

SYSTEM	LENGTH	COLOUR TEMP.	LUM. FLUX	EFFICACY	ORDER CODE
9.9 W	618 mm	3000 K	1170 lm	118 lm/W	0 5 1 - 9 2 1 2 5 3 <input checked="" type="checkbox"/> J
		4000 K	1240 lm	125 lm/W	0 5 1 - 9 2 1 2 6 3 <input checked="" type="checkbox"/> J
19.1 W	1226 mm	3000 K	2350 lm	123 lm/W	0 5 1 - 9 2 1 4 5 3 <input checked="" type="checkbox"/> J
		4000 K	2490 lm	130 lm/W	0 5 1 - 9 2 1 4 6 3 <input checked="" type="checkbox"/> J
28.6 W	1835 mm	3000 K	3520 lm	123 lm/W	0 5 1 - 9 2 1 6 5 3 <input checked="" type="checkbox"/> J
		4000 K	3730 lm	130 lm/W	0 5 1 - 9 2 1 6 6 3 <input checked="" type="checkbox"/> J
37.0 W	2443 mm	3000 K	4700 lm	127 lm/W	0 5 1 - 9 2 1 8 5 3 <input checked="" type="checkbox"/> J
		4000 K	4970 lm	134 lm/W	0 5 1 - 9 2 1 8 6 3 <input checked="" type="checkbox"/> J

## Order options

COLOUR	
pure white RAL 9010	<input checked="" type="checkbox"/> 7
jet black RAL 9005	<input checked="" type="checkbox"/> 8

## Planning Information



**LENO** suspended, microprismatic,  
19:1W, 4000K

### ROOM VALUES

Room dimensions	5.4 × 4 × 2.8 m
Reflection factor	0.7   0.5   0.2
Maintenance factor	0.8
Mounting height	2.25 m

### CALCULATION SURFACE .....

Surface dimensions	1.6 × 0.8
Surface height	0.75
Average illuminance ( $E_m$ )	> 500 lx
Uniformity ( $U_0$ )	> 0.6

### GLARE EVALUATION

Table Classification X=4H   Y=8H   S=0.25H	
UGR transversal	≤ 19
UGR axial	≤ 19

## Order options

COLOUR	
pure white RAL 9010	7
jet black RAL 9005	8

# Biologiezentrum Universität, Vienna

Austria

## Arquitecto

Karsten Liebner, Marcel  
Backhaus

## Lighting Design

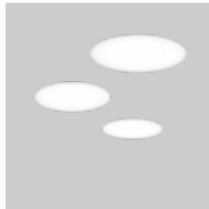
VASKO+PARTNER  
INGENIEURE  
Ziviltechniker für  
Bauwesen und  
Verfahrenstechnik  
GesmbH

## Fotografía

Bruno Klomfar  
Fotografie



## Productos utilizados



COMBO trim



LENO suspended











