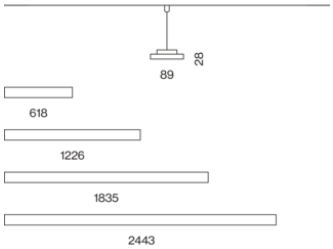


## Quickinfo

3000 K, 4000 K
CRI ≥ 80 / 3 SDCM (initial MacAdam)
UGR ≤ 19
up to 2,130 lm/m
up to 140 lm/W
L85 / 50000 h
Cover: Jut-Out, Microprismatic, Opal
DALI-2
IP20

### Types




### Colours

### Light distributions

# 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

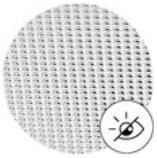
DE Extrem flache Pendelleuchte mit 28mm Gesamthöhe; abgependelt mit Seilabhängung; werkzeuglose Höhenverstellung an der Leuchte; inkl. Einspeiseleitung; Oberfläche pulverbeschichtet; absturzgesicherter Lichteinsatz aus stranggepresstem Aluminiumprofil werkzeuglos mittels Magnethalter in Kanal einsetzbar; seitlich eingekoppeltes Licht durch LGP-Body (Light-Guiding-Prism) und hocheffizientem Reflektor nach unten gelenkt; homogen ausgeleuchtete, satinierte (bündig oder herausragend) oder mikroprismatische Abdeckung aus PMMA; energieeffiziente LEDs mit sehr guter Farbwiedergabe




DiiA® standards 251, 252, 253



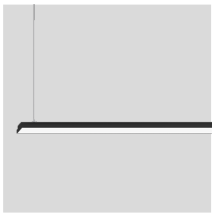
system solution

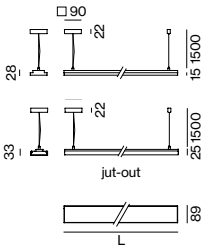


microprismatic UGR ≤ 19



quick installation






## **LENO** suspended

CRI ≥ 80 · UGR ≤ 19 · 220-240 V · 1 ADDR. · X-PERT

### 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 ◪ G |
| | | 4000 K | 1230 lm | 124 lm/W | 0 5 1 - 9 2 1 2 6 3 ◪ G |
| 19.1 W | 1226 mm | 3000 K | 2320 lm | 121 lm/W | 0 5 1 - 9 2 1 4 5 3 ◪ G |
| | | 4000 K | 2450 lm | 128 lm/W | 0 5 1 - 9 2 1 4 6 3 ◪ G |
| 28.6 W | 1835 mm | 3000 K | 3480 lm | 122 lm/W | 0 5 1 - 9 2 1 6 5 3 ◪ G |
| | | 4000 K | 3680 lm | 129 lm/W | 0 5 1 - 9 2 1 6 6 3 ◪ G |
| 37.0 W | 2443 mm | 3000 K | 4630 lm | 125 lm/W | 0 5 1 - 9 2 1 8 5 3 ◪ G |
| | | 4000 K | 4910 lm | 133 lm/W | 0 5 1 - 9 2 1 8 6 3 ◪ 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 ◪ H |
| | | 4000 K | 1300 lm | 131 lm/W | 0 5 1 - 9 2 1 2 6 3 ◪ H |
| 19.1 W | 1226 mm | 3000 K | 2450 lm | 128 lm/W | 0 5 1 - 9 2 1 4 5 3 ◪ H |
| | | 4000 K | 2590 lm | 136 lm/W | 0 5 1 - 9 2 1 4 6 3 ◪ H |
| 28.6 W | 1835 mm | 3000 K | 3670 lm | 128 lm/W | 0 5 1 - 9 2 1 6 5 3 ◪ H |
| | | 4000 K | 3890 lm | 136 lm/W | 0 5 1 - 9 2 1 6 6 3 ◪ H |
| 37.0 W | 2443 mm | 3000 K | 4900 lm | 132 lm/W | 0 5 1 - 9 2 1 8 5 3 ◪ H |
| | | 4000 K | 5190 lm | 140 lm/W | 0 5 1 - 9 2 1 8 6 3 ◪ H |

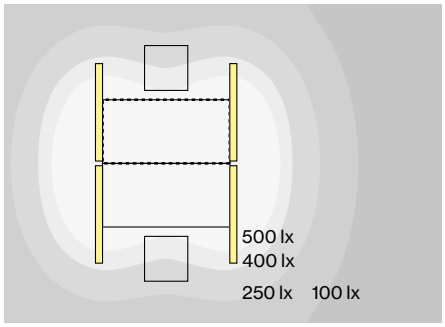
### OPAL JUT-OUT CRI ≥ 80, DALI-2

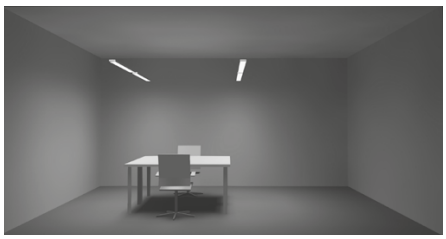
| SYSTEM | LENGTH | COLOUR TEMP. | LUM. FLUX | EFFICACY | ORDER CODE |
|---|---|---|---|---|---|
| 9.9 W | 618 mm | 3000 K | 1170 lm | 118 lm/W | 0 5 1 - 9 2 1 2 5 3 ◪ J |
| | | 4000 K | 1240 lm | 125 lm/W | 0 5 1 - 9 2 1 2 6 3 ◪ J |
| 19.1 W | 1226 mm | 3000 K | 2350 lm | 123 lm/W | 0 5 1 - 9 2 1 4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

**Order options**

| COLOUR ◪ | |
|---|---|
| pure white RAL 9010 | 7 |
| jet black RAL 9005 | 8 |

## Planning Information



**LENO** suspended, microprismatic, 19.1 W, 4000 K

**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 |

# Biologiezentrum Universität, Vienna

Austria

**Architect**
Karsten Liebner, Marcel Backhaus

**Lighting Design**
VASKO+PARTNER INGENIEURE Ziviltechniker für Bauwesen und Verfahrenstechnik GesmbH

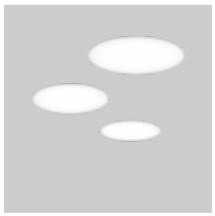
**Photographer**
Bruno Klomfar Fotografie



**Used products**



**LENO suspended**



**COMBO trim**

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7
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Entlehnung





