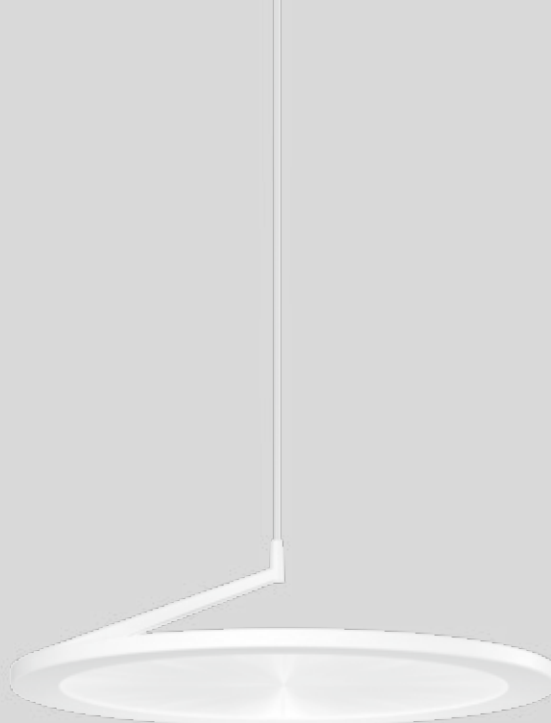


HELIOS

suspended

xal.com/helios



Quickinfo

GENERAL

suspended
IP20
several mounting options

LED

Mid-power LED
up to 110lm/W
3000K, 4000K
CRI ≥ 80
Binning initial ≤ 3 MacAdam

ESTIMATED LED LIFETIME

L80 / 50000 h

OPTICAL

direct/indirect illumination
circular de-glaring prism (UGR < 19)

ELECTRICAL

DIM DALI
transparent feeder cable

PHYSICAL

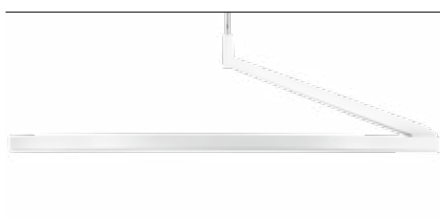
aluminium
powder-coated
halogen-free cable (internal wiring)

Description

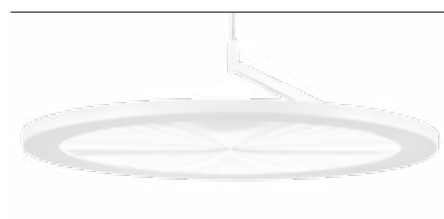
DE Ringförmiger Leuchtenkörper aus Aluminiumdruckguss; Oberfläche weiß oder schwarz pulverbeschichtet; Pendelleuchte mit 1500 mm Seilabhängung, Seil in transparenter Einspeiseleitung geführt; elektronisches Betriebsgerät im Baldachin verbaut; Schrägpendingrohr mit integrierter Kabelführung und Verstellmechanismus für Neigungsausgleich; Kühlkörper in Leuchtengeometrie für optimales Thermomanagement und passive Kühlung der LEDs integriert; direkt/indirekte Lichtverteilung durch LGP-Body (Light-Guiding-Prism); seitlich eingekoppeltes Licht durch Lasergravur nach oben und unten gelenkt; optional nur direktstrahlend, Lichtlenkung mittels hochreflektierenden Reflektormaterials; Direktanteil: zirkularprismatische PMMA-Abdeckung, absolut homogene Ausleuchtung; bildschirmtaugliche Arbeitsplatzleuchte nach DIN EN 12464-1 (UGR < 19); energieeffiziente LEDs mit sehr guter Farbwiedergabe; Binning initial ≤ 3 MacAdam; lieferbar in den Lichtfarben 3000K und 4000K; CRI ≥ 80; min. 80 % des Lichtstromes nach 50000 h Lebensdauer; Baldachin mit 2 Kabelöffnungen und Steckklemme für Durchgangsverdrahtung; Schutzart IP20; SK I; DALI-dimmbar

EN Ring shaped luminaire housing in die-cast aluminium; surface powder coated in white or black; Suspended luminaire with 1500 mm cable suspension, cable in a transparent feeder; electronic operating unit installed in the canopy; angled pendent with integrated cable management and adjustment mechanism for levelling; heat sink integrated into luminaire geometry for optimum thermal management and passive cooling of LEDs; direct/indirect light distribution by LGP body (Light Guiding Prism); side coupled light, directed up and down by laser engraving; optional direct light beam only, light control via highly reflective reflector material; Direct component: circular prismatic PMMA cover, completely homogeneous illumination; workplace light suitable for VDUs according to DIN EN 12464-1 (UGR < 19); energy-efficient LEDs with very good colour rendering; binning initial ≤ 3 MacAdam; available in the light colours 3000K and 4000K; CRI ≥ 80; min. 80% of the luminous flux after 50000 hours; canopy with 2 cable openings and plug-in terminal for through wiring; protection class IP20; PC I; DALI dimmable

Features



flat design (17 mm)



circular de-glaring prism (UGR < 19)

Standard configuration

COLOUR TEMPERATURE
3000K 5

CONTROL
DIM DALI 3

MATERIAL COLOUR
white 7



Extended configuration

COLOUR TEMPERATURE
4000K 6

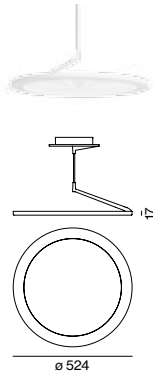
MATERIAL COLOUR
black 8



+5% surcharges

Options on request

COLOUR RENDERING INDEX
CRI ≥ 90



HELIOS suspended

DIRECT



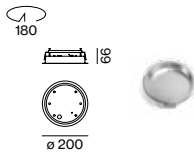
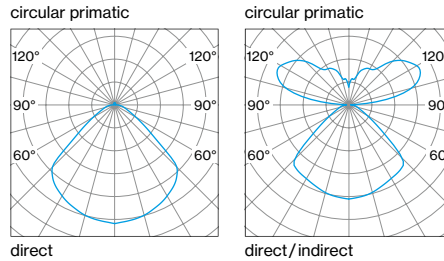
| SYSTEM POWER | COLOUR TEMP. | LUMINOUS FLUX | ORDER CODE |
|--------------|--------------|---------------|---|
| 48 W | 3000K | 4870lm | 0 5 9 - 8 2 2 2 <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> |
| | 4000K | 5170lm | |

DIRECT / INDIRECT



| SYSTEM POWER | COLOUR TEMP. | LUMINOUS FLUX | ORDER CODE |
|--------------|--------------|--------------------|---|
| 65 W | 3000K | ↓ 2770 / ↑ 3940 lm | 0 5 9 - 8 2 3 2 <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> |
| | 4000K | ↓ 2940 / ↑ 4190 lm | |

LIGHT DISTRIBUTION

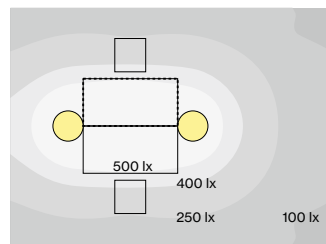


Accessories

RECESSED HOUSING

| TYPE | R CODE |
|------------------|-------------------|
| recessed housing | 0 0 5 - 3 6 0 0 0 |

Technical data



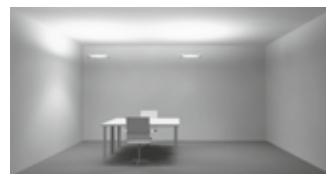
HELIOS suspended
48 W, 4000 K, direct/indirect

ROOM VALUES

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

CALCULATION SURFACE

| | |
|---------------------------------------|-------------|
| Surface dimensions | 1.6 × 0.8 m |
| Surface height | 0.75 m |
| 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 |
| | 65° < 3000 cd/m ² |

Inspiration

moovel group
Stuttgart, Germany

ARCHITECT
FURCH GESTALTUNG +
PRODUKTION GMBH
Stuttgart, Germany

PRODUCT
HELIOS suspended



