

# HELIOS

## free standing

[xal.com/helios](http://xal.com/helios)



### Quickinfo

#### GENERAL

free standing  
IP20

#### LED

Mid-power LED  
up to 105lm/W  
3000 K, 4000 K  
CRI ≥ 80  
Binning initial ≤ 3 MacAdam

#### ESTIMATED LED LIFETIME

L80/50 000 h

#### OPTICAL

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

#### ELECTRICAL

touch DIM  
daylight & movement sensor

#### PHYSICAL

aluminium  
powder-coated

### Description

**DE** Stehleuchte mit ringförmigem, schlankem Leuchtenkopf (nur 17 mm) und Standfuss; Aluminiumstandrohr trapezförmig; Oberfläche weiß oder schwarz pulverbeschichtet; elektronisches Betriebsgerät im Standrohr verbaut; 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; Direktanteil: zirkularprismatische PMMA-Abdeckung, absolut homogene Ausleuchtung; optional: Lichtverteilung durch patentierten Rotorreflektor aus hochreflektierendem Material steuerbar; Verteilung Direkt- zu Indirektlichtanteil stufenlos von 70:30% auf 100% Direktanteil einstellbar; bildschirmtaugliche Arbeitsplatzleuchte nach DIN EN 12464-1 (UGR < 19); energieeffiziente LEDs mit sehr guter Farbwiedergabe; Binning initial ≤ 3 MacAdam; lieferbar in den Lichtfarben 3000 K und 4000 K; CRI ≥ 80; min. 80% des Lichtstromes nach 50 000 h Lebensdauer Schutzart IP20; SK I; einfache Regelung durch integrierte touch DIM-Funktion am Standrohr oder mit integriertem Infrarot Anwesenheits- und Helligkeitssensor; inkl. Anschlussleitung (3 m) mit Schutzkontaktstecker

**EN** Floor lamp with an annular, slim luminaire head (only 17 mm) and stand; aluminium trapezoidal upright tube; surface powder coated in white or black; electronic operating unit installed in the downpipe; 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; Direct component: circular prismatic PMMA cover, completely homogeneous illumination; optionally: light distribution controlled by patented rotor reflector in highly reflective material; distribution of direct to indirect component continuously variable from 70:30% to 100% direct; 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 3000 K and 4000 K; CRI ≥ 80; min. 80% of the luminous flux after 50 000 hours; protection class IP20; PC I; easy control through integrated touch DIM function on downpipe or through integrated infrared daylight and movement sensor; incl. connection cable (3 m) with safety plug

### Features



flat design (17 mm)



patented rotor reflector



touch DIM control



high quality chrome reflector

#### HELIOS


suspended

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### Standard configuration

**COLOUR TEMPERATURE**   
3000K 5

**CONTROL**   
daylight & movement sensor 7

**MATERIAL COLOUR**   
white 7



**LIGHT OPTIC COVER**  
circular de-glaring prism (UGR < 19)

### Extended configuration

**COLOUR TEMPERATURE**   
4000K 6

**CONTROL**   
touch DIM 5

**MATERIAL COLOUR**   
black 8



+5% surcharges

### Options on request

**COLOUR RENDERING INDEX**  
CRI ≥ 90


**CONTROL**  
dynamic daylight control



### HELIOS rotor reflector free standing

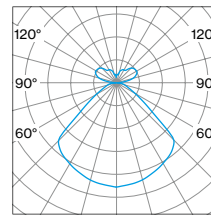
**DIRECT / INDIRECT**



SYSTEM POWER	COLOUR TEMP.	LUMINOUS FLUX	ORDER CODE
65 W	3000 K	↓ 4580 / ↑ 1810 lm	0 5 9 - 8 9 2 6 
	4000 K	↓ 4870 / ↑ 1920 lm	

### LIGHT DISTRIBUTION

reflector open




direct/indirect



### HELIOS free standing

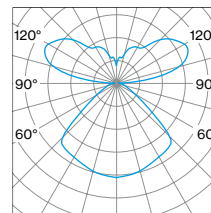
**DIRECT / INDIRECT**



SYSTEM POWER	COLOUR TEMP.	LUMINOUS FLUX	ORDER CODE
80 W	3000 K	↓ 3240 / ↑ 4620 lm	0 5 9 - 8 9 3 6 
	4000 K	↓ 3440 / ↑ 4910 lm	

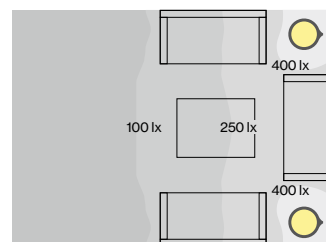
### LIGHT DISTRIBUTION

circular prismatic



direct/indirect

### Technical data



**HELIOS free standing, 65 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

#### CALCULATION SURFACE

Surface dimensions	Floor
Surface height	0 m

#### GLARE EVALUATION

Table Classification	X=4H   Y=8H   S=0.25H
UGR transversal	< 19
UGR axial	< 19
65° < 3000 cd/m <sup>2</sup>	



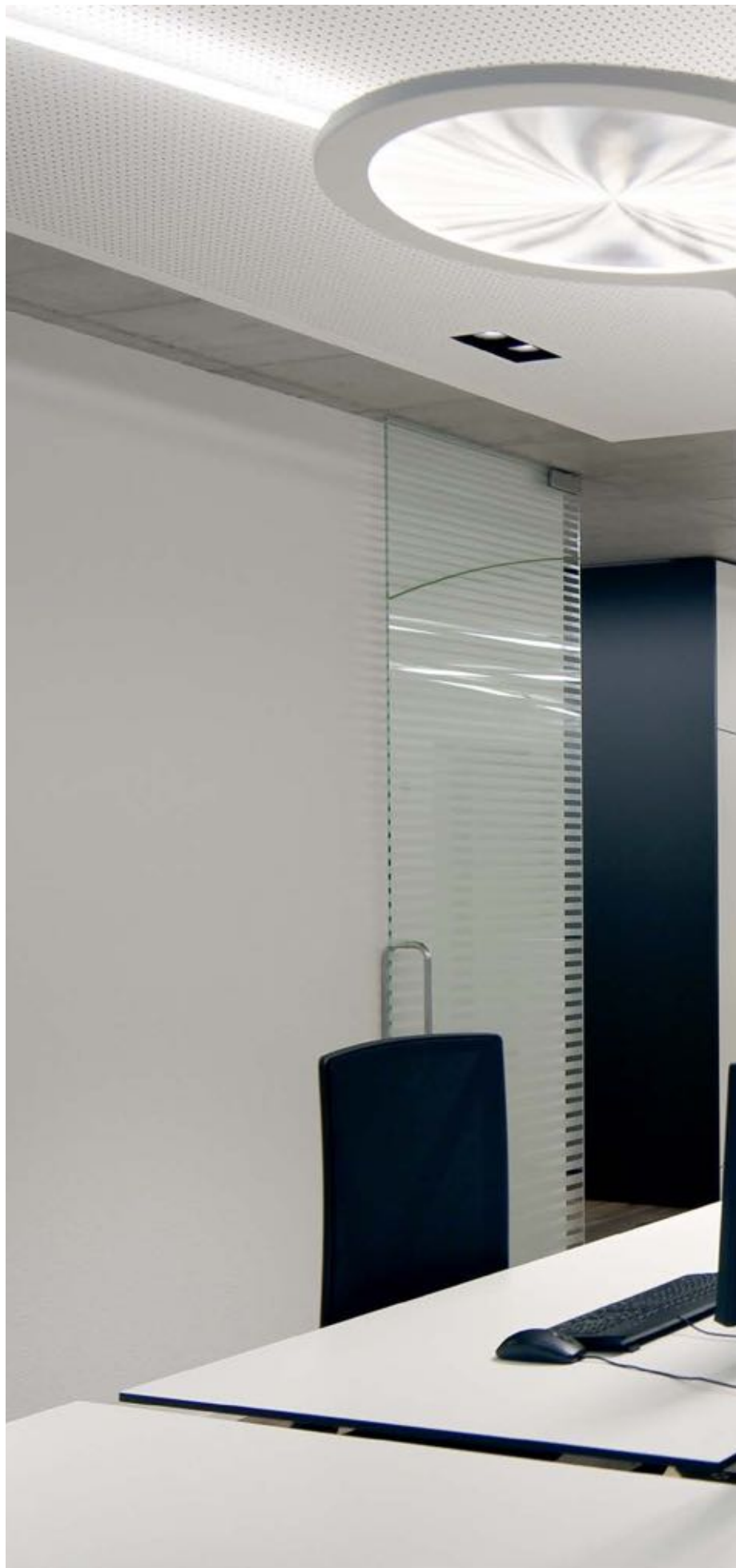
## Inspiration

Praxis am Bahnhof  
Bremgarten, Switzerland

**ARCHITECT**  
Outlog Architektur + Planung AG  
Lenzburg, Switzerland

**LIGHTING DESIGN**  
Outlog Architektur + Planung AG  
Lenzburg, Switzerland

**PRODUCT**  
HELIOS free standing





## Inspiration

Dentist KONZEPT32  
Cologne, Germany

**ARCHITECT**  
pd raumplan  
Cologne, Germany

**LIGHTING DESIGN**  
pd raumplan  
Cologne, Germany

**PRODUCT**  
HELIOS free standing



