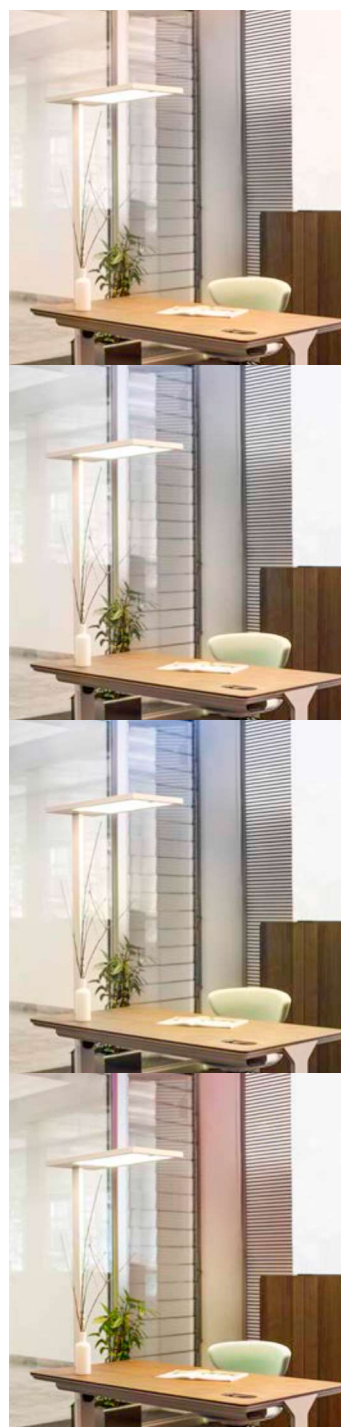


K-VIRTUS II

EXPANDS THE HORIZON

- Unique free-standing luminaire with automatic daylight sequence, brightness sensor and presence detector
- Improved concentration and increase in performance at the workplace due to the simulated circadian daylight sequence
- Direct and indirect lighting can be controlled separately
- Glare-reducing optics
- Optimal conditions for the displays of work stations $UGR < 19$
- Colours: Silver, Black, White
- Functionality: Colour temperature 1,800 K to 16,000 K
- Uniform light distribution and mixing through PI-LED Edge Light Module
- High colour stability from micro-controller controlled LED management with temperature compensation and factory calibration
- Operating temperature monitoring with automatic dimming function
- Direct 230 V mains connection



Environment
friendly



Low
consumption



Long
service life



Tunable
White



Brightness
dimmable



RGB
adjustable

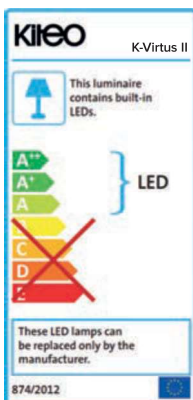


Excellent
CRI

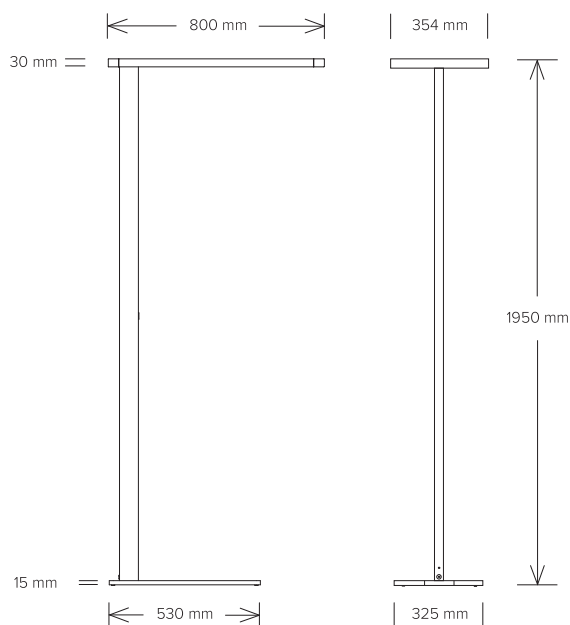
TECHNICAL DATA

K VIRTUS II Free standing luminaire

Luminous source	PI LED Edge Light Module
Connected load	100 W
Luminous flux	direct: 3,800 lm indirect: 3,950 lm
Colour temperature	1,800 K □ 16,000 K
CRI	90
Protection category	IP 20
Dimming range	CCT/CIE xy 5 □ 100% RGB 0 □ 100%
Service lifetime	L80/B10 50,000h
Tests / approvals	CE / RoHS Conformity
Weight	21.5 kg
Operating voltage	230 VAC
Control mode	NeoLink/ZigBee
Protection class	I



Dimensions



ORDER DATA

Art.No.	Luminaire
K KII NL 01	K Virtus II free standing luminaire / PI LED / NeoLink / White
K KII NL 03	K Virtus II free standing luminaire / PI LED / NeoLink / Black
K KII NL 04	K Virtus II free standing luminaire / PI LED / NeoLink / Silver
Art.No.	Accessory
K ZWALLY 4.1	NeoLink Wheel Control, seasonal course of daylight, UTC+1
Art.No.	Package
K KII NL 01 S	Complete package free standing luminaire / White / with 1 x K ZWALLY
K KII NL 03 S	Complete package free standing luminaire / Black / with 1 x K ZWALLY
K KII NL 05 S	Complete package free standing luminaire / Silver / with 1 x K ZWALLY

* Required control on page 58 ff.

Notes

The photometric data of a tolerance of $\pm 15\%$, the electrical data of a tolerance of $\pm 15\%$. Unless otherwise specified, the values are based on 3,000K and an ambient temperature of 25°C. Permissible operating temperature 10°C [35]°C. The manufacturer reserves the right to change any product specification without prior notice. CCT values outside the range 2,500/7,000K can be set in the CIE xy mode. The coefficient $\alpha(\text{smel})$ describes the melanopic effectiveness of the light source on humans and their circadian rhythm. To give the natural human biorhythm the best possible support, the melatonin production can be minimized by higher values of $\alpha(\text{smel})$ throughout the day and stimulated by lower values in the evening. PI LED enables the implementation of an illumination that is not only visually but also biologically/melanopic effective. For a standard conforming lighting design, Lumitech recommends the document DIN SPEC 5031 100 to be taken as a basis. More documents can be found at www.kiteo.eu.
Last change: 07.03.2019



CCT [K]	VISUAL DATA		MELANOPIC ACTION FACTOR
	Luminous flux [lm]		$\alpha(\text{smel})$
	direkt	indirekt	
1,800	2040	2100	0.264
2,000	2305	2370	0.299
2,500	3020	3120	0.377
2,700	3320	3450	0.405
3,000	3800	3950	0.445
3,500	3750	3800	0.506
4,000	3630	3660	0.560
4,500	3540	3575	0.608
5,000	3480	3510	0.650
5,500	3440	3460	0.688
6,000	3400	3425	0.722
6,500	3380	3400	0.753
7,000	3360	3370	0.781
8,000	3330	3340	0.827
9,000	3310	3315	0.864
10,000	3300	3300	0.894
12,000	3280	3280	0.939
14,000	3270	3280	0.972
16,000	3260	3275	0.996