

# K-SOLIS AND K-SOLIS PURE

## NEW THINKING ABOUT SUNLIGHT

- High-quality suspended luminaire for setting accents and for general lighting
- Unique design for customised applications
- Functionality: Colour temperature 1,800 K to 16,000 K
- High colour stability from micro-controller controlled LED management with temperature compensation and factory calibration
- Soft light mixing and uniform light distribution
- Integrated aluminium heat sink
- Operating temperature monitoring with automatic dimming function
- Mounting: Pendant



Environment  
friendly



Low  
consumption



Long  
service life



Tunable  
White



Brightness  
dimmable



RGB  
adjustable

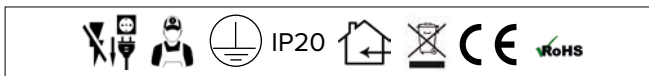
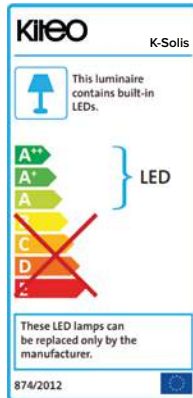


Excellent  
CRI

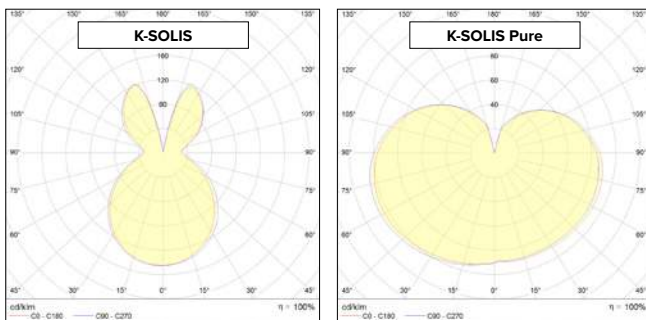
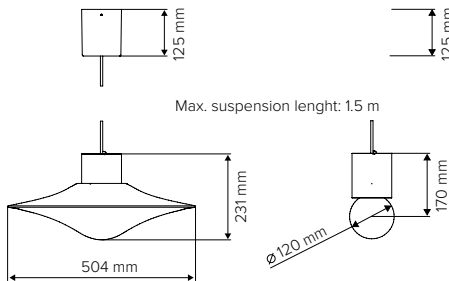
# TECHNICAL DATA

## K-SOLIS and K-SOLIS PURE Pendant luminaires

Luminous source	LED module <b>PI-LED</b>
Connected load	37 W
Luminous flux	K-SOLIS 2,000 lm K-SOLIS PURE 2,300 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	2 kg   2.3 kg
Operating voltage	230 VAC
Control mode	NeoLink/ZigBee DALI DT8
Protection class	I
Mounting	Pendant luminaires



### Dimensions



## ORDER DATA

Art.No.	Luminaire
K-SOLIS-NL	K-Solis suspended luminaire / PI-LED / NeoLink / White (RAL 9003)
K-SOLIS-DA	K-Solis suspended luminaire / PI-LED / DALI DT8 / White (RAL 9003)
K-SOLIS-PURE-NL	K-Solis suspended luminaire Pure / PI-LED / NeoLink / White (RAL 9003)
K-SOLIS-PURE-DA	K-Solis suspended luminaire Pure / PI-LED / DALI DT8 / White (RAL 9003)

CCT [K]	VISUAL DATA		MELANOPIC ACTION FACTOR
	Luminous flux [lm]		alpha (smel)
	K-SOLIS	K-SOLIS Pure	
1,800	1480	1650	0.226
2,000	1745	1945	0.252
2,500	2170	2495	0.324
2,700	2090	2400	0.357
3,000	2000	2300	0.407
3,500	1910	2195	0.484
4,000	1850	2130	0.554
4,500	1815	2085	0.618
5,000	1790	2055	0.676
5,500	1775	2040	0.728
6,000	1765	2025	0.774
6,500	1755	2015	0.816
7,000	1750	2010	0.852
8,000	1745	2000	0.915
9,000	1740	1995	0.965
10,000	1735	1990	1.033
12,000	1730	1970	1.168
14,000	1720	1950	1.304
16,000	1710	1935	1.439

\* Required control on page 58 ff.

### Notes

The photometric data of a tolerance of +/- 15%, the electrical data of a tolerance of +/- 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(smell) 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(smell) 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](http://www.kiteo.eu).  
Last change: 07.03.2019