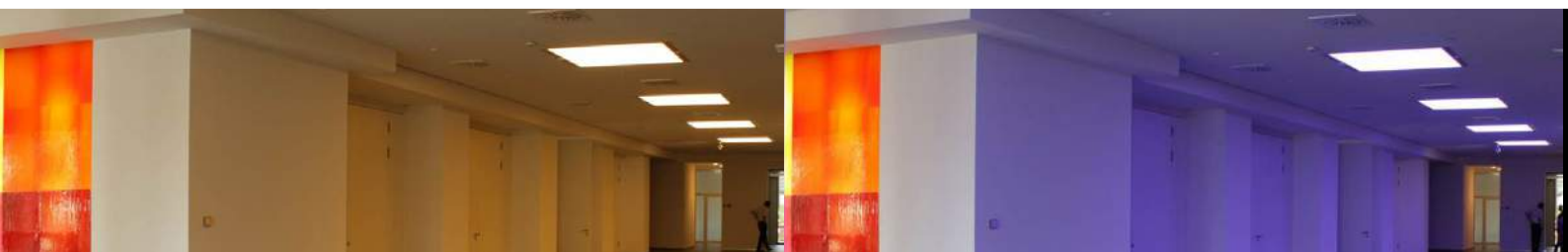


K-AERA FLAT

BRINGS THE SUN INTO THE ROOM

- Ideal indoor use as wide indoor area lighting
- Improved concentration and increase in performance at the workplace due to the simulated circadian daylight sequence
- 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
- Glare-reducing microprism reflector optics
- Very flat design by using PI-LED Edge Light modules
- Uniform light distribution and mixing through edge lighting
- Optimal conditions for the displays of work stations UGR<19
- Operating temperature monitoring with automatic dimming function
- Construction size according to popular modular dimensions
- Direct 230 V mains connection
- Mounting: Flush-mounted | Surface-mounted | Pendant



Environment
friendly



Low
consumption



Long
service life



Tunable
White



Brightness
dimmable



RGB
adjustable

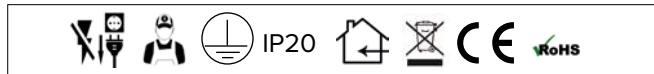
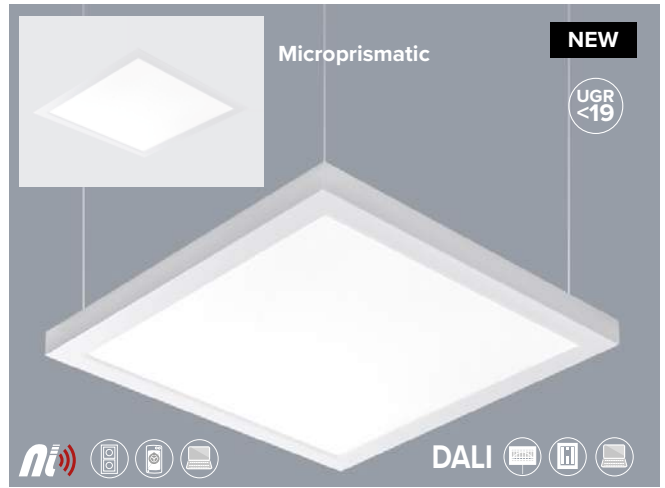
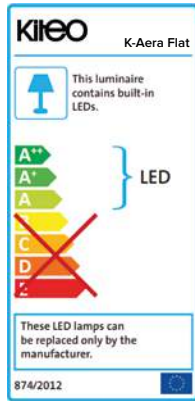


Excellent
CRI

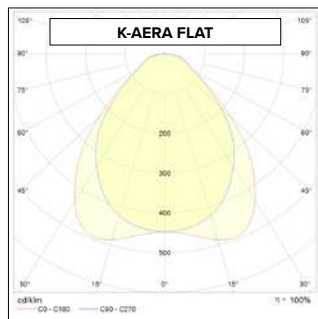
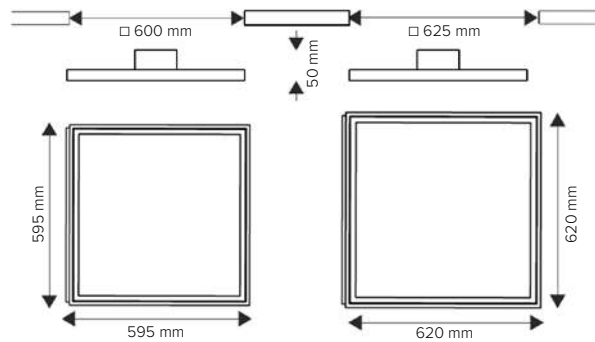
TECHNICAL DATA

K-AERA FLAT Panel light | Pendant luminaire

Luminous source	LED module PI-LED
Connected load	48 W
Luminous flux	3,600 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	8.5 kg
Operating voltage	230 VAC
Control mode	NeoLink/ZigBee DALI DT8
Protection class	I
Mounting	Flush-mounted Surface-mounted Pendant luminaire



Dimensions



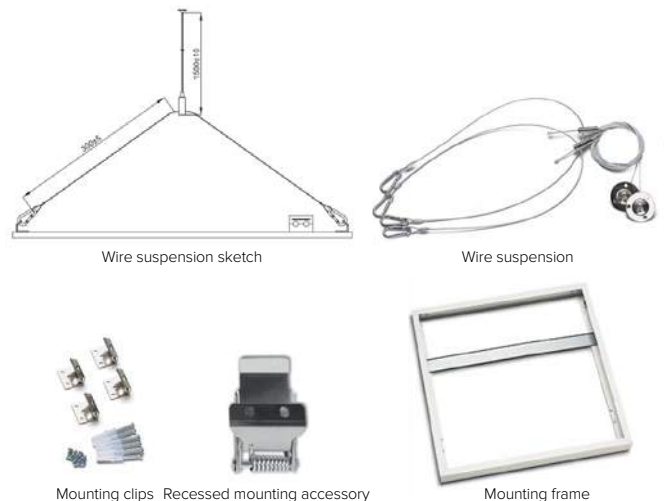
CCT [K]	VISUAL DATA	MELANOPIC ACTION FACTOR
	Luminous flux [lm]	alpha [smel]
1,800	2300	0.261
2,000	2600	0.298
2,500	3410	0.384
2,700	3750	0.416
3,000	3600	0.462
3,500	3430	0.532
4,000	3325	0.595
4,500	3250	0.651
5,000	3200	0.701
5,500	3170	0.746
6,000	3140	0.786
6,500	3120	0.823
7,000	3105	0.856
8,000	3085	0.910
9,000	3070	0.954
10,000	3060	0.990
12,000	3055	1.044
14,000	3050	1.082
16,000	3050	1.111

ORDER DATA

Art.No.	Luminaire*
K-AEF-595-NL	K-Aera Flat Luminaire / PI-LED / NeoLink / 595mm
K-AEF-620-NL	K-Aera Flat Luminaire / PI-LED / NeoLink / 620mm
K-AEF-595-DA	K-Aera Flat Luminaire / PI-LED / DALI DT8 / 595mm
K-AEF-620-DA	K-Aera Flat Luminaire / PI-LED / DALI DT8 / 620mm

Art.No.	Accessory
LTX-1751-00-00	Wire suspension K-AERA FLAT
LTX-1751-01-00	Mounting clip K-AERA FLAT
LTX-1751-02-00	Mounting frame 595x595x60mm K-AERA FLAT
LTX-1751-03-00	Mounting frame 620x620x60mm K-AERA FLAT

* Required control on page 58 ff. *The 595mm variants are available from Q4 / 2019.



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(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(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