

K-MOTUS

SMALL, SMALLER, BIORHYTHMIC

- Compact design with small construction height
- 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
- Automatic daytime sequence
- Soft light mixing and uniform light distribution
- 35° rotatable
- Bayonet-lock spring-clip mounting
- Mounting: Flush-mounted



Environment
friendly



Low
consumption



Long
service life



Tunable
White



Brightness
dimmable



RGB
adjustable

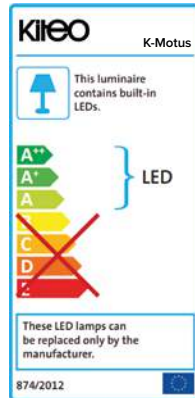


Excellent
CRI

TECHNICAL DATA

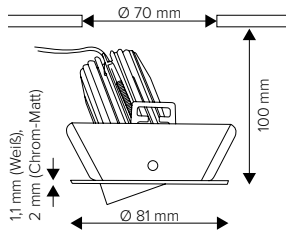
K-MOTUS Recessed luminaire

Luminous source	LED module PI-LED
Connected load	13.3 W
Beam angle	50°
Luminous flux	670 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% L80/B10 50,000h
Service lifetime	
Tests / approvals	CE / RoHS Conformity
Weight	0.4 kg
Operating voltage	230 VAC
Control mode	NeoLink/ZigBee
Protection class	II
Mounting	Flush-mounted

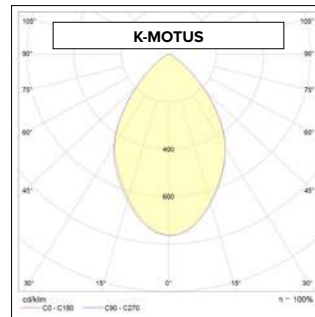
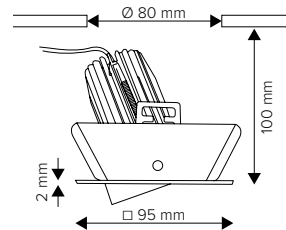


Dimensions

K-Motus round



K-Motus square



ORDER DATA

Art.No.	K-MOTUS
K-MO-R-40-NL-WH.	K-Motus recessed luminaire / PI-LED / NeoLink / round / white
K-MO-R-40-NL-CM.	K-Motus recessed luminaire / PI-LED / NeoLink / round / matt chrome
K-MO-E-40-NL-WH.	K-Motus recessed luminaire / PI-LED / NeoLink / square / white
K-MO-E-40-NL-CM.	K-Motus recessed luminaire / PI-LED / NeoLink / square / matt chrome
K-MO-R-40-DA-WH.	K-Motus recessed luminaire / DALI DT8 / NeoLink / round / white
K-MO-R-40-DA-CM.	K-Motus recessed luminaire / DALI DT8 / NeoLink / round / matt chrome
K-MO-E-40-DA-WH.	K-Motus recessed luminaire / DALI DT8 / NeoLink / square / white
K-MO-E-40-DA-CM.	K-Motus recessed luminaire / DALI DT8 / NeoLink / square / matt chrome

3,000 K Fixed White also available.

* Required control on page 58 ff. Can be flush mounted in concrete ceiling.

CCT [K]	VISUAL DATA	MELANOPIC ACTION FACTOR
	Luminous flux [lm]	alpha [smel]
1,800	430	0.241
2,000	505	0.266
2,500	710	0.345
2,700	695	0.381
3,000	670	0.435
3,500	645	0.519
4,000	630	0.597
4,500	620	0.668
5,000	615	0.732
5,500	615	0.789
6,000	610	0.841
6,500	610	0.887
7,000	610	0.928
8,000	610	0.998
9,000	590	1.054
10,000	550	1.100
12,000	500	1.171
14,000	470	1.221
16,000	450	1.257

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