

The PI-LED Lamp: rich in feature - easy to use



Relaxation



Activation



Moods



Harmony



If artificial lighting is based on the natural sunlight, it is not only perceived as high-grade and pleasant but also reinforces our health and well-being.

The **PI-LED Lamp**, equipped with the prize-winning leading-edge technology PI-LED, imitates the spectrum of sunlight which impacts our biological inner clock positively. Moreover, the **PI-LED Lamp** with its countless effect colors creates lighting moods depending on individual requirements.

+19%
noticeably increased productivity

+27%
good health

+28%
more vitality throughout the day

+37%
improved concentration

CCT [K]	VISUAL DATA	MELANOPIC ACTION FACTOR
	Lum. flux [lm]	alpha [smel]
1,800	1650	0.226
2,000	1945	0.252
2,500	2495	0.324
2,700	2400	0.357
3,000	2300	0.407
3,500	2195	0.484
4,000	2130	0.554
4,500	2085	0.618
5,000	2055	0.676
5,500	2040	0.728
6,000	2025	0.774
6,500	2015	0.816
7,000	2010	0.852
8,000	2000	0.915
9,000	1995	0.965
10,000	1990	1.033
12,000	1970	1.168
14,000	1950	1.304
16,000	1935	1.439

The coefficient α [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 α [smel] throughout the day and stimulated by lower values in the evening. PI-LED enables the implementation of an illumination that is not only visual but also biological/melanopic effective. For a standard-conforming lighting design, Lumitech recommends the document DIN SPEC 5031-100 to be taken as a basis.

ORDERING DATA

PI-LED-Lamp-2300-a	PI-LED Lamp (a = DA for DALI a = NL for NeoLink/ZigBee)
LT-WALLY-x.1	NeoLink Air Wheel Control (x = 1-4, sequence and UTC)

The Lumitech Wally



The Wally as perfect combination for the PI-LED Lamp:

- Rotary knob on the wall, simple mounting
- Control of brightness/CCT/colour
- **Automatic mode:** Daylight sequence (standard/seasonal)
- Simple, one-time network setup (up to 200 members)
- Flush-mounted connector socket (61mm)

- Tunable white**
1.800K - 16.000K
- Brightness dimmable**
CCT/CIE-xy: 5-100% | RGB: 0-100%
- RGB/CIE-xy adjustable**
Colour points and sequences
- Biorhythmic lighting**
Vitalisation and recreation
- 2 Control modes**
DALI DT8, NeoLink
- Excellent CRI**
CRI > 90

TECHNICAL DATA for the PI-LED Lamp

Luminous source	SMD LED Module (High Power LEDs)
Supply voltage	230V AC
Power	37W
Luminous flux	2,300lm
Control mode	NeoLink/ZigBee, DALI DT8
CRI	90
Dimmable	CCT and CIE-xy: 5%-100% RGB: 0%-100%
CCT and colour control	1.800 - 16.000K adjustable CIE-xy colours and RGB colours
Protection type and class	IP20 / I
Tests/approvals	CE / RoHS conformity
Service lifetime	L80/B10 50,000h
Mounting	suspended
Further features	High colour stability MacAdam 1 (typ./initial) Integrated over-temperature protection

