



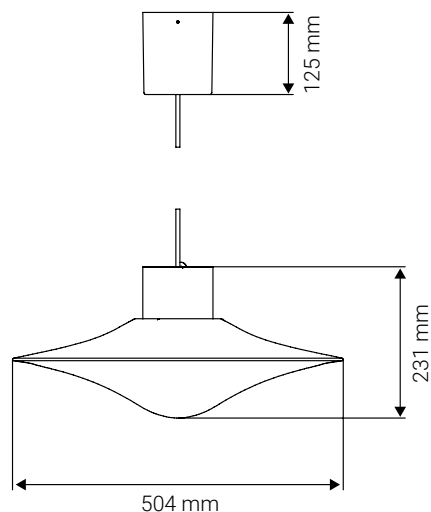
## Ellipse

### SUSPENDED | PI-LED SERIES

- High-quality pendant luminaire for accent lighting and general illumination in a unique design
- High colour rendition CRI >90
- Low tolerance for colour temperature
- Control mode: DALI DT8
- Integrated overtemperature protection
- Adjustable colour temperature 1.800K - 16.000K
- Adjustable CIE-xy colour points and RGB colours
- Dimming: CCT/CIE-xy 5-100%
- Long life-time up to 50.000 hours

### APPLICATION

Fashion Retailers | Art & Exhibitions | DIY | Indoor applications



## SPECIFICATIONS

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Luminous source	PI-LED Downlight Modul
Dimensions	Ø504 x 231 mm±1mm
Supply voltage	230VAC
Power	37W
LED luminous flux	2000lm
Control mode	DALI DT8
Dimmable	RGB: 0% - 100%; CCT/CIE-xy: 5% - 100%
CCT and colour control	1.800K - 16.000K ( CCT values outside the range 2.500-7.000K can be set in the CIE-xy mode )
Lifetime	L80/B10@50.000h
Type of protection	IP20
Mac Adam tolerance	MacAdam<4
Protection class	I
Weight	2.3Kg

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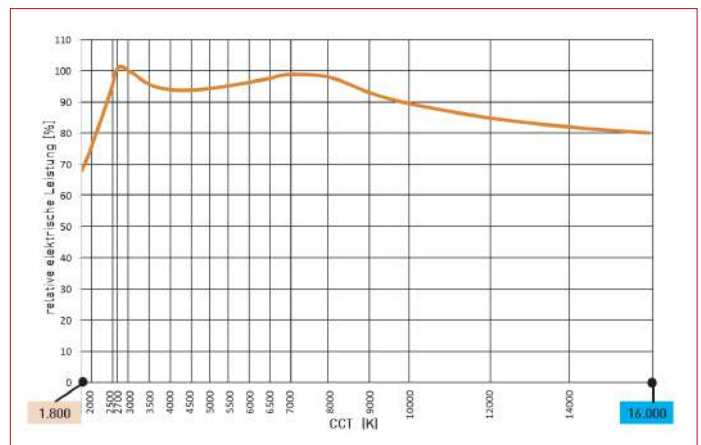
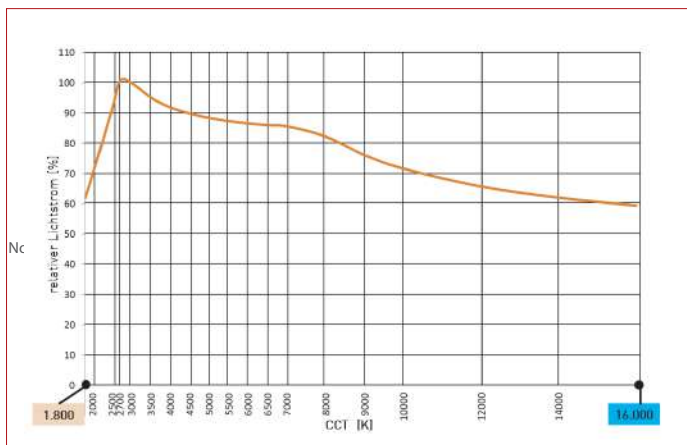
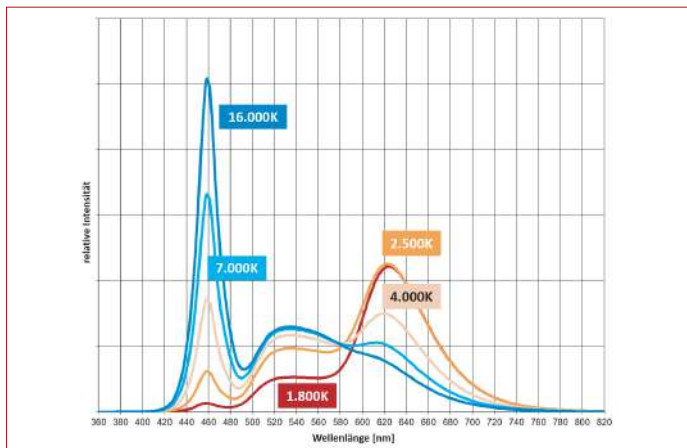
MELANOPTIC EFFECT FACTOR

CCT [K]	VISUELL		BIOLOGISCH
	Lichtstrom [lm]		alpha (smel)
	SOLIS		
1.800	1480		0,226
2.000	1745		0,252
2.500	2170		0,324
2.700	2090		0,357
3.000	2000		0,407
3.500	1910		0,484
4.000	1850		0,554
4.500	1815		0,618
5.000	1790		0,676
5.500	1775		0,728
6.000	1765		0,774
6.500	1755		0,816
7.000	1750		0,852
8.000	1745		0,915
9.000	1740		0,965
10.000	1735		1,033
12.000	1730		1,168
14.000	1720		1,304
16.000	1710		1,439

Besides the visual and emotional characteristics of PI-LED HCL lighting, it is above all its biological effect which - following the example of natural daylight - creates healthy light.

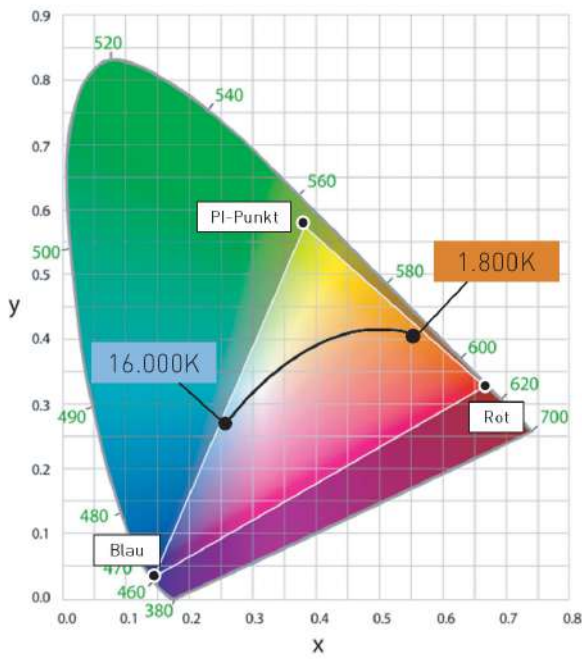
The factor alpha(smel) describes the melanopic effectiveness of the light source on humans and their circadian rhythms. In order to support natural human biorhythms in the best possible way, higher alpha(smel) values can minimise melatonin release during the day, while lower values can promote it in the evening. Lighting that is not only visually but also melanopically effective is made possible by PI-LED.

PHOTOMETRICAL PROPERTIES / VISUAL DATA AND DATA FOR MELANOPIC LIGHT DESIGN



- The actual drop in the luminous flux can vary across the delivered LED modules.
- The diagrams show typical curves and not the exact behaviour of the LED module or the PI-LED system.

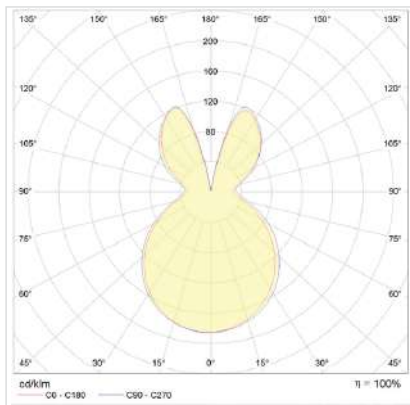
COORDINATES AND TOLERANCES ACCORDING TO CIE 1931



Representable PI-LED colour space in the CIE 1931 system.

If a colour point outside of the triangle (PI-LED colour space) is set, the closest colour point within the triangle is referenced.

LIGHT DISTRIBUTION



## SKU SPECIFICATIONS

Product Code	Dimensions [mm]	Colour	Lumens [lm]	Power typ./max [W]	CRI	Weight [Kg]
<b>CRI90</b>						
2E5000 Ellipse 504/PI/37W/90/W	504 x 231 mm	PI	2000	37W	90	2.3

REFERENCES

