

EnergyByLight

a tasklight that follows your daylight rhythm

Bakker Elkhuizen

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Technical specifications EnergyByLight



General

Diameter (mm)	104
Height (mm)	385
Colour	Black, white
Material	Aluminium, plastic
Weight (gr)	1500
Control via the app	Yes, settings can be personalized
Control via the lamp	Yes, with limited settings
Energy efficiency class	Not applicable [1]
IP value	IP 20
Protection class electrical device	III

Lighting

Type of illumination	Task & ambient lighting
Circadian Lighting	Yes
Light Source	LED Die
Light Source Replaceable	No
Power (wattage)	Dimmed: 8 Full power: 16
Brightness adjustable (dimmable)	Yes
Brightness range (lux)	300 – 1000
Brightness adjustable range	1 - 100%
Colour rendering index	80
Color temperature range (kelvin)	2.700 - 6.500
Color temperature adjustable	Yes
Ambient temperature (°C)	Maximum 25
Burning life (hours)	50.000

Power

Nominal voltage (volts)	100 - 240
Nominal frequency (Hz)	50 - 60
Power supply units	Europlug, UK plug
Power (W)	15
Output	Max. 48V - 24W - 0,5A
Cable length (mm)	2000

1. *The EnergyByLight uses an LED Die. It is excluded from the EU legislation, regulation 2017/1369 which means that the energy efficiency class is not mandatory.*

App specifications

Connection type	Bluetooth
Bluetooth version	5.0
Bluetooth range (m)	10
Compatible devices	Tablet / Phone
Suitable operating systems	Android, iOS
Minimum operating systems requirements	All versions
Multi-pairing	Yes
Number of lamps that can be paired	No limit
Absence detection	Yes

App explanation

Circadian rhythm	Based on the set location, the recommended circadian rhythm is played throughout the day with the brightness and color temperature changing automatically.
Early or late person	The recommended circadian rhythm is adjustable to an early or late person.
Lunchtime	At the end of the lunch break the energy boost is automatically started.
Brightness offset	Based on location, the recommended circadian rhythm is set. However, you can change the brightness by an offset of + or - 20% from the recommended circadian rhythm.
Color temperature offset	Based on location the recommended circadian rhythm is set. However, you can change the color temperature with an offset of + or - 20% from the recommended circadian rhythm.
Energy boost	100% white light with a color temperature of 6500 kelvin.
App tracking	Setting the location is only necessary to set the EnergyByLight. The location will not be tracked any further.



Expert video

Want to learn even more about the EnergyByLight and all its features?

Click to play

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Patent pending

DUTCH DESIGN