



- **Flexible and stable:** its flexible arm can be rotated 360°. You can easily adjust the direction of the light towards your work area; the weighted base provides excellent stability.
- **Modern and simple design:** the head shape ensures that the light is distributed widely over the work surface.
- **Pleasant light:** stable, high-quality light thanks to the latest generation of LEDs. In addition, these LEDs are protected by an opaque diffuser: no flickering, no glare.
- **Energy efficient:** this lamp consumes 75% less energy than incandescent lighting and 35% less energy than fluorescent lighting for the same level of brightness.
- **Available in 5 colours:** blue, white, green, pink and light grey. Add a touch of colour to your desk.
- **ON/OFF switch:** easy access on the cord

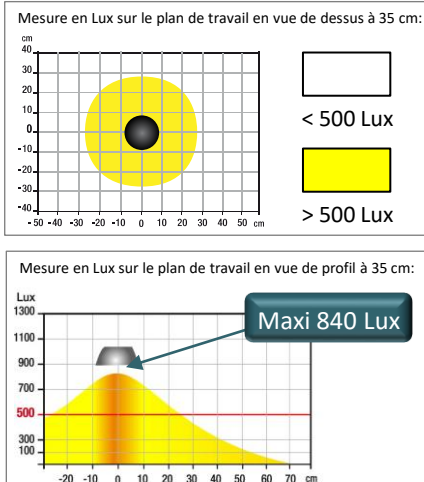
- Maximum height: 33 cm / minimum height: 20 cm
- Energy efficiency: class E (A to G spectrum)
- Warranty : 2 years
- Materials: ABS plastic head and base/ metal arm with rubberised surface



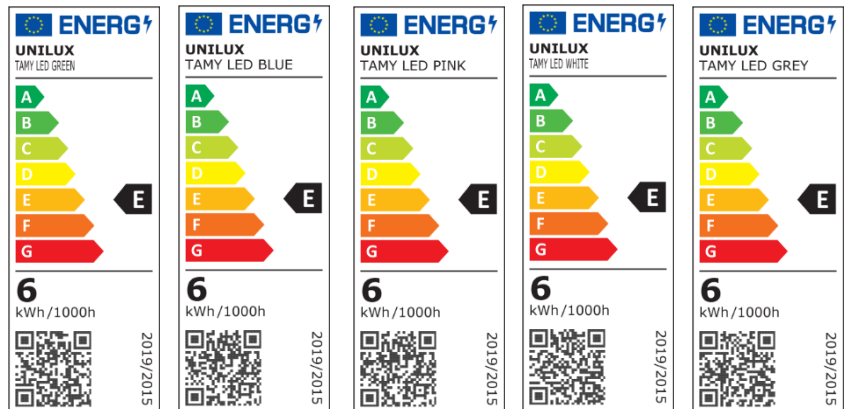
Replaceable (LED only) light source by a professional



Technical features



Energy class:



SAP no.	Colours	Energy consumption kWh/1000 h	Lux at 35 cm	Luminous flow	Lm/W	Colour T°	CRI	Source lifetime	Net weight	EAN code
400165012	White	6	840	625 lm	104	3000 K	84	20000h	0,80 kg	3595560034284
400165015	Green	6	840	625 lm	104	3000 K	84	20000h	0,80 kg	3595560034314
400165017	Blue	6	840	625 lm	104	3000 K	84	20000h	0,80 kg	3595560034345
400165018	Pink	6	840	625 lm	104	3000K	84	20000h	0,80 kg	3595560034376
400165986	Light grey	6	840	625 lm	104	3000K	84	20000h	0,80 kg	3595560035007

UNILUX'S ADVICES

1- Why using a desk lamp ?

We spend about 8 hours a day at our place of work. Occupational medicine **recommends lighting of at least 450 lux**. The European standard NF EN 12464-1 * **goes up to 500 lux** for screen work or reading. You should know that an office equipped with fluorescent ceiling lights usually receives **200 and 300 Lux** for those in LED!

The consequences of constant and insufficient artificial interior lighting:

- **Decreased visual comfort**
- **Headache**
- **Badly lapping the general concentration**
- **Decrease in productivity**
- **Disturbances of the circadian cycle**
- **Sleep and mood disorders**

* Standard NF EN 12 464-1 (European standard): Requirement for lighting indoor workplaces

2- Some figures



300 Lux

Only on the desk fitted with ceiling lights



34% of offices

Reach the level of 500 Lux prescribed by Occupational Medicine



29 % of employees

Report suffering from eyestrain *

* Source: <http://www.recrutons.fr/ergonomie-du-poste-de-travail.html>

3- The LED's Benefits



High quality and efficient lighting



Longer life



Energy saving



Eco-responsible purchase



Safe for the health

4- Somes definitions

Illuminance (Lux)

corresponds to a quantity of light received by a surface. So:

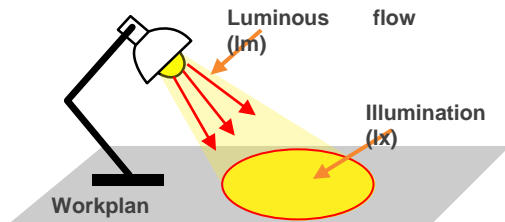
- Φ : Luminous flux in lumen
- S: surface per m²

$$E = \frac{\Phi}{S}$$

Recommended lighting according to DIN EN 12464-1 * for the office

- 300 Lux : deposit, copy, traffic areas
- 500 Lux : writing, reading, data processing
- 500 Lux : at the reception and at the counter
- 750 Lux : technical drawing

* DIN EN 12464-1 (DIN 5035-1): European standard that determines the lighting requirements of workstations in enclosed areas, which meet the requirements of comfort and visual performance. DIN EN 12464-1 has replaced DIN 5035-1



Luminous flux (lm)

is defined by the sum of all the radiations emitted by the lamp. It is measured in Lumen, "lm" for short. It is defined from the energy flux (expressed in watts) more often termed radiated power.

The latter is a flow of radiated energy:

$$\Phi = \frac{Q}{t}$$

where Q is the radiated energy, expressed in joules (J) and t in seconds (s)

Luminous efficiency (lm/W)

corresponds to the luminous efficiency of the lamp. This value is established by the ratio between the luminous flux and the power consumed. It is measured in "lm / W". The higher the luminous efficiency, the higher the amount of light relative to the power consumed. This data is fundamental for the preservation of the environment since it allows us to reduce energy consumption for the same amount of light emitted.

Color temperature (Kelvin)

is defined by the color emitted by the light source. Variation in color temperature is an essential function of the desk lamp in addition to the variation of the intensity, as it allows to customize the lighting and to adapt the appropriate color temperature to the different activities (computer work, concentration, reading, relaxation, rest, ...). This variation in color temperature is measured in "Kelvin", "K" for short.

