

VENUSLIGHT

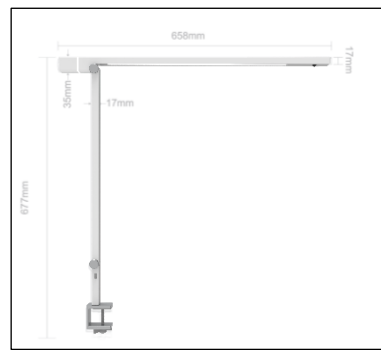


- **Innovation:** a new generation of ergonomic desk lamp that offers a wide range of movement for high quality lighting thanks to its large, innovative design.
- **Flexible thanks to its folding arms:** With these 2 quality joints, the lamp can be used in many positions according to your needs and your morphology.
- **Variable light intensity and color temperature:** two touch-switches on the base allow the light intensity to be infinitely varied and one allows the color temperature to be infinitely adjusted. Adapt your lighting to your activity (resting, reading, working).
- **A pure and modern design:** VENUSLIGHT is distinguished by a design with fine and pure lines. Its head is only 2 cm thick, which gives it an elegant character.
- **Intelligent:** depending on the ambient light in your workspace, the lamp adapts its light for better visual comfort, thanks to its brightness sensor.
- **Motion sensor:** Automatically switches on when the lamp detects movement. Optimal and uniform light distribution thanks to its daylight LEDs: it will better protect your vision, reduce fatigue of your eyes
- **More space:** Supplied with a clamp with a maximum distance of 4cm. VENUSLIGHT will allow you to gain more space on your desk.

- Warranty: 2 years
- Energy efficiency: class E (spectrum A to G)
- Maximum height: 67 cm / minimum height: 25 cm
- Materials: aluminum clamp/arm and head in plastic/ metal joint

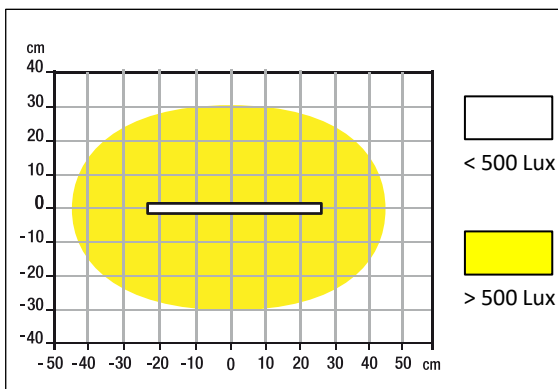


Source lumineuse remplaçable (LED uniquement) par un professionnel

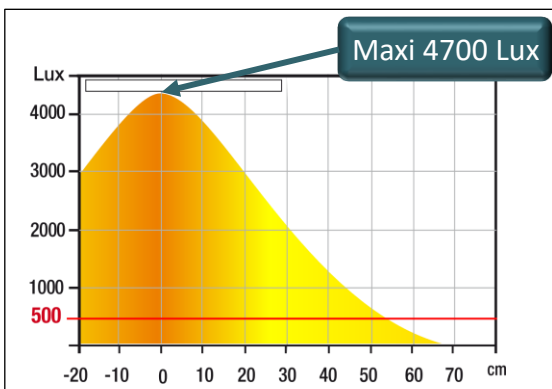


Technical features

Measurement of Lux on the worktop in 35 cm top view:



Measurement of Lux on the worktop in 35 cm top view:



Energy class:



SAP no.	Colour	Energie consommée kWh/1000 h	Lux at 35 cm	Luminous flow	Lm/W	Colour T°	CRI	Source lifetime	Net weight	EAN code
400165033	White	17	4700	1720 lm	101	2700K à 5000 K	93	50000h	0,88kg	3595560034420

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:

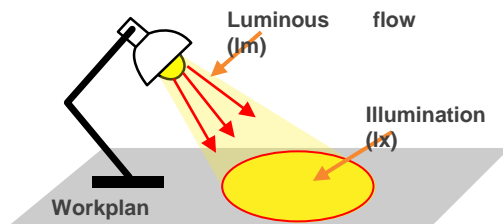
- Φ : Luminous flux in lumen
- S: surface per m²

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

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.

