

## LED Lamp Bulb 45W - High Luminosity



### Product code:

Reference: FLB45WS2

### Technical specifications:

REFERENCE: FLB45WS2  
Rated Power : 45w  
Nominal Voltage: 175V-260V  
Colour: 3000K - 4000K  
CRI - Chromatic Rendiment Index: 80  
Construction Material: Thermoplastic  
Luminosity-Lm: 6000  
Number & Type of LEDs: SMD 2835  
Beam Angle (°): 360°  
Luminous diodo LED (Lm/W): 150Lm/W  
Luminous Efficiency (Lm/W): 133Lm/W  
Base: E27  
Certifications: CE - ROHS  
IP : IP20  
Diode Life Expectancy (H): 20.000  
Dimensions (mm): Ø108xH264mm  
Power Factor (PF): 0.99  
Frequency (Hz): 50/60Hz  
Temperature Range (°C): -20°C ~ +55°C  
On/Off Cycles: 100.000  
Starting Time (s): 0,2s  
Energy Rating (2021-UE-2019/2015): A+  
Energy Rating (2023 - UE-2019/2015): E  
Warranty Years: 3

### Product short description:

**45W LED lamp of HIGH RESISTANCE** specifically designed for a very efficient heat dissipation, specifically designed for industrial use and lighting of large spaces, has a high power factor (+0.95) high energy conversion and low maintenance costs.

### Product description:

40W LED Lamp - E27 - High Resistance

40W LED lamp of high resistance and durability specifically designed for large areas, with a high power factor (+0.95), high energy conversion and low maintenance costs. It offers instant start-up, dedicating all the energy consumed to the creation of light. The energy savings achieved enable a rapid return on the initial investment. Long life, robustness and high resistance to vibrations.

**A POWER FACTOR (PF) of 0.90** or above means that the electrical circuit is using most of the energy supplied effectively and efficiently. A PF above 0.90 is desirable as it indicates that the luminaire is using most of the energy supplied to produce light, rather than wasting it in the form of heat or other types of energy losses. This can be beneficial in terms of energy efficiency and cost reduction in the long term, as less energy is used to achieve the same level of illumination.

The advantages of a heavy duty E27 LED lamp are as follows:

1. The high endurance of this LED lamp refers to its ability to withstand adverse conditions, such as extreme temperature changes, vibrations and shocks.
2. Increased durability: Heavy duty LED lamps are designed to be stronger and more durable than other LED lamps. This makes them more suitable for use in harsh environments or for applications that require greater endurance.
3. Higher energy efficiency: Heavy duty LED lamps can be more energy efficient than other LED lamps due to their design and materials. This can help to further reduce the cost of electricity.
4. Higher power: Heavy duty LED lamps can be more powerful than other LED lamps. This means they can provide more light in larger spaces or for applications requiring higher light intensity.
5. Greater flexibility: Heavy duty LED lamps can be more flexible in terms of design and mounting options. This means they can be adapted to a variety of applications and lighting needs.
6. Higher quality of light: Heavy duty LED lamps can produce brighter and sharper light than other LED lamps due to their design and technology. This means they can provide more precise and uniform illumination.
7. Greater compatibility: Heavy duty LED lamps can be compatible with a wide variety of lighting control and dimming systems. This means they can be used in a wide variety of applications, from home to industry.

Our heavy-duty bulb is available in several light colours

- Amber (1800°K).
- Warm white (3000°K).
- Neutral white (4000°K).
- Cool white (6500°K)

# Technical Datasheet

Our **bulb** has a novel and stylised design in the shape of a tulip or magnolia. With this design, a 360° angle of light is achieved, and at the same time a very efficient evacuation of the heat generated by the LED.

The bulb has a self-protection system that intelligently adjusts the power when the recommended temperature is exceeded for greater efficiency.

Applications LED Lamp 40W E27 - **High Resistance:**

- Supermarkets and indoor garages.
- Street lamps.
- Shops and shops in general.
- Workshops and warehouses.
- Replaces 125W E40 halogen bulbs and 250W E40 sodium vapour bulb.
- Any indoor area with high ceilings or large spaces.

## Additional images:

