Power surges resistant

- **Wide voltage range (100-240V)** to protect the driver both from voltage droop and voltage overshoot, which are quite frequent in case of outdoor installations.
- **Double 400V capacitors** and multiple resistances to withstand power surges.
- **Silicone paste** to avoid – in case of voltage swings- the vibration of the electronic components of the driver and the consequent risk of components unsoldering.

Heat resistant - Working temperature -30°+80°C

- **Gold wire bonding:** Chips connected by pure gold wires, which are able to withstand at the highest and lowest temperatures and at temperature fluctuations between day and night. The gold wire bonding can grant a lumens maintenance factor > 80%.
- **Silicone paste:** Thermoconductive silicone paste with metal powder inside for helping heat dissipation and avoid overheating problems and for protecting the electronic components in case of high and low temperatures.

Humidity resistant - Weatherproof driver for a longer lifetime

- **Silicone paste:** The driver is fully enclosed in a special silicone paste, which ensures the highest driver protection against moisture and humidity up to 90%, both unavoidable in outdoor installations.

Tested according to :
EN 62560:2012/A1: 2015
IEC/TR 62778:2014
EN 62493:2015

CE

LVD TESTED

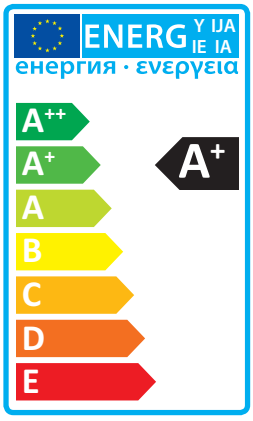
LVD Certificate: *Fumagalli lamps fulfil the Low Voltage Directive 2014/35/EU, therefore are CE marked and comply with safety requirements like protection against electrical shock, moisture and heat resistance, resistance to flame and ignition.*

EMC TESTED

EMC Certificate: *Fumagalli lamps meet the Electromagnetic Compatibility Directive 2014/30/EU*

ERP 6000 h

ERP Attestation of conformity: *Fumagalli lamps fulfil the European Ecodesign Directive 2009/125/EC about the energy performance requirements of energy related products.*

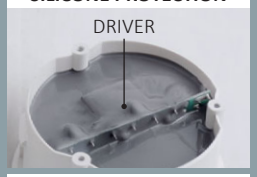


Digitally signed by Mavrodi Oleg
Date: 2018.12.28 16:55:22 EET
Reason: MoldSign Signature
Location: Moldova

E27 HIGH POWER LED

TÜV CERTIFIED LED MODULES

SILICONE PROTECTION



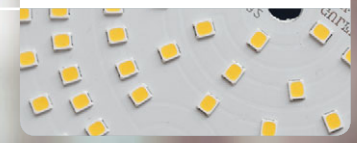
INDOOR & OUTDOOR USE

-30 +80 °C	90% HUMIDITY

VOLTAGE SURGE RESISTANT

GOLD WIRE BONDING

- 120 LED chips connected by pure **gold wires** able to withstand at the highest and lowest temperatures and granting a **lumens maintenance factor > 80%**.
- SMD 3528.



LENS

- Opal color lens reducing dazzle.
- Made of UV stabilized resin material to avoid yellowing process.
- Special lens design for a better light distribution.

HEATSINK

- Made by white painted aluminum.
- Special design to grant a correct heat dissipation.

DRIVER 100-240V

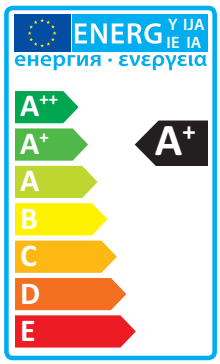
- IC isolated driver technology.
- Wide voltage range: **100-240V** +/- 10% tolerance to protect the driver both from voltage droop and voltage overshoot.
- **Double 400V capacitors** and multiple resistances to withstand power surges.

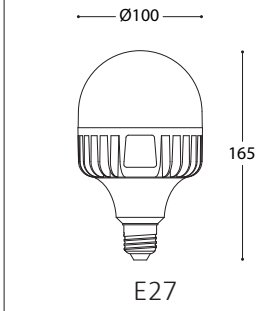
THERMOCONDUCTIVE SILICONE PASTE

- To protect the driver against moisture and humidity up to **90%**, granting a longer product lifetime
- To help heat dissipation thanks to the metal powder inside the paste, granting **-30°+80°C** working temperature.
- To avoid the vibration and the unsoldering of the electronic components of the driver.

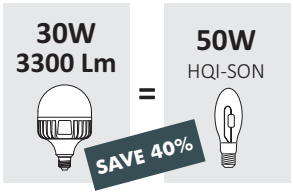
E27 HIGH POWER LED

POWER	**30 W**	
LUMINOUS FLUX	**3300 lm**	
EFFICIENCY	110 Lm/W	
VOLTAGE	100-240 V	
FREQUENCY	50/60 Hz	
CURRENT	135 mA	
POWER FACTOR	> 0,9	
COLOR RENDERING INDEX RA	> 80	
BEAM ANGLE	200°	
WARM UP TIME	< 1”	
SWITCHING CYCLE	30.000	
LIFETIME	25.000 h	
KELVIN	4000 K	3000 K
REF. CODE	H2.LED.HIP.4K	H2.LED.HIP.3K



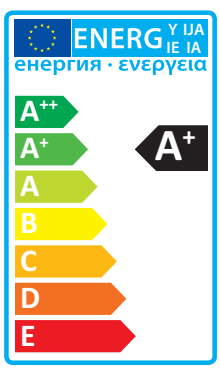


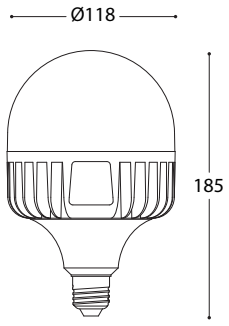
COMPARISON



E27 HIGH POWER LED

POWER	**50 W**	
LUMINOUS FLUX	**5000 lm**	
EFFICIENCY	100 Lm/W	
VOLTAGE	100-240 V	
FREQUENCY	50/60 Hz	
CURRENT	210 mA	
POWER FACTOR	> 0,9	
COLOR RENDERING INDEX RA	> 80	
BEAM ANGLE	200°	
WARM UP TIME	< 1”	
SWITCHING CYCLE	30.000	
LIFETIME	25.000 h	
KELVIN	4000 K	3000 K
REF. CODE	H.LED.HIP.4K	H.LED.HIP.3K





COMPARISON