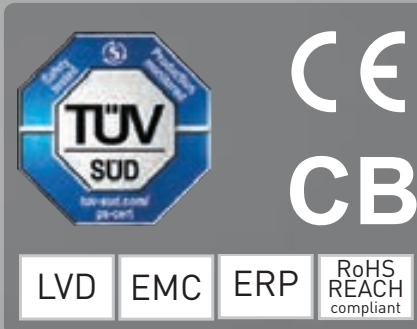


# FUMAGALLI LED LAMPS

## MODULAR SYSTEM



Innovative **TÜV certified LED lamps** with standard E27, GX53 ,R7s, GU10 or G9 lamp holder to get a very efficient LED lighting system. Heatsink and driver are built-in the lamps. LED modules can be easily replaced without the help of a qualified technician. Available in different wattage versions and color temperature. Moreover combining in series Fumagalli GX53 lamps you get a powerful and efficient public lighting system both on classic and modern luminaries.



### BENEFITS:

- **COST SAVING:** long-life and efficient LED light sources.
- **BUILT-IN DRIVER:** quick and easy lamp replacement.
- **GREAT FLEXIBILITY:** standard lamp holder.
- **FUTURE-PROOFED LUMINARIES:** performances easy to upgrade to latest technology developments.
- **SUITABLE FOR OUTDOOR USE:** driver fully protected against heat and humidity by silicone paste.
- **TÜV CERTIFIED QUALITY:** Production monitored, CE marked, LVD and EMC tested, in compliance with the European Ecodesign Directive (ERP) and with RoHS and REACH directives. CB certified.



### 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



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 and its amendments.

NEW  
ERP

**New ERP Attestation of conformity:** Fumagalli lamps fulfil the NEW European Ecodesign Directive EU 2019/2020, which sets stricter energy efficiency requirements, new verification tolerances and other factors such as bulb lifetime and warm-up time.

CB  
IECEE CB  
SCHEME

**IECEE CB Certificate:** Fumagalli lamps meet the International System for Conformity and Certification of Electrotechnical Equipment allowing direct market access in more than 50 countries all over the world.

RoHS  
REACH  
COMPLIANT

**RoHS REACH compliant:** Fumagalli lamps fulfil the RoHS (Restriction of Hazardous Substances) directive 2011/65/EU and its amendments and the REACH regulation (EC) No. 1907/2006, regarding the concentration of Very High Concern Substances (SVHC).



## E27 HIGH POWER LED

TÜV- CB CERTIFIED LED MODULES



### SILICONE PROTECTION

DRIVER

### INDOOR & OUTDOOR USE

-30 +80 °C

90% HUMIDITY

VOLTAGE SURGE RESISTANT



### GOLD WIRE BONDING

- 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.



### 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.



### 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.



4000K 3620lm  
3000K 3325lm  
30W  
100-240V

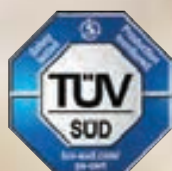
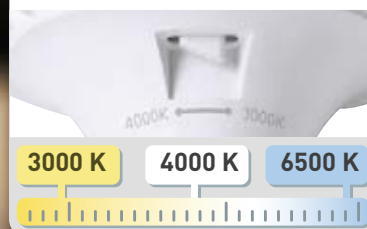
### HEATSINK

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

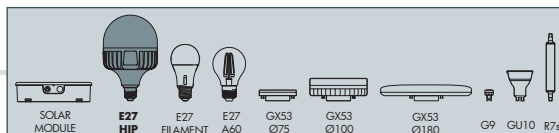


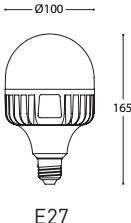
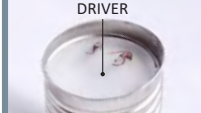
### CCT SETTABLE

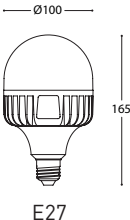
- Switch settable in two different positions, to select the desired Kelvin temperature (3000K, 4000K) and get a customized ambience.
- 3000k and 4000K led chips on 2 separate circuits to grant SDCM < 6.







| E27 HIGH POWER LED - CCT SETTABLE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |                                                                                     |                |         |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-------------------------------------------------------------------------------------|----------------|---------|
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  | POWER                                                                               | 15 W           |         |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  | LUMINOUS FLUX (Φ TOTAL)                                                             | 3000 K         | 1545 lm |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |                                                                                     | 4000 K         | 1690 lm |
| SIZE & SOCKET                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |                |         |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  | E27                                                                                 |                |         |
| <div><div><p>CCT SETTABLE</p></div><div><p>SILICONE PROTECTION DRIVER</p><p>INDOOR &amp; OUTDOOR USE</p><p>-30 +80 °C 90% HUMIDITY</p><p>VOLTAGE SURGE RESISTANT</p></div><div><p>COMPLY WITH:<br/>EU 2019/2015<br/>EU 2019/2020</p></div><div><p>CE CB</p><p>LVD<br/>EMC<br/>ERP</p><p>IECEE CB CERTIFICATE:<br/>SG PSB-LE-03835</p></div></div> <td>VOLTAGE</td> <td colspan="2">100-240 V</td> |  | VOLTAGE                                                                             | 100-240 V      |         |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  | FREQUENCY                                                                           | 50/60 Hz       |         |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  | DISPLACEMENT FACTOR                                                                 | >0,7           |         |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  | PSTLM (NO FLICKER)                                                                  | <1             |         |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  | SVM                                                                                 | 0,4            |         |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  | CRI                                                                                 | > 80           |         |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  | SDCM                                                                                | <6             |         |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  | SWITCHING CYCLE                                                                     | 30.000         |         |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  | WARM UP TIME                                                                        | < 0,5"         |         |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  | LIFETIME                                                                            | 25.000 h       |         |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  | EFFICIENCY CLASS                                                                    | F              |         |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  | REF. CODE                                                                           | H3.LED.HIP.CCT |         |

| E27 HIGH POWER LED - CCT SETTABLE                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                 |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                                                                                                                                                                                                                                                                                                                                                                 |  | POWER                                                                                                                                                                                                                                                                                          | 30W                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  | LUMINOUS FLUX (Φ TOTAL)                                                                                                                                                                                                                                                                        | 3000 K                                                                                                                                                                                                                                                                     | 3325 lm                                                                                                                                                                                                                         |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |                                                                                                                                                                                                                                                                                                | 4000 K                                                                                                                                                                                                                                                                     | 3620 lm                                                                                                                                                                                                                         |
| SIZE & SOCKET                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                 |
| <div>CCT SETTABLE</div> <div> 3000 K 4000 K</div> <div><div>INDOOR &amp; OUTDOOR USE</div><div>-30 +80 °C 90% HUMIDITY</div><div>VOLTAGE SURGE RESISTANT</div></div> <div><div>COMPLY WITH:<br/>EU 2019/2015<br/>EU 2019/2020</div></div> |  | <div><div>CE CB</div><div>LVD<br/>EMC<br/>ERP</div><div><div>IECEE CB CERTIFICATE:<br/>SG PSB-LE-03834</div></div></div> | <div>VOLTAGE</div> <div>FREQUENCY</div> <div>DISPLACEMENT FACTOR</div> <div>PSTLM (NO FLICKER)</div> <div>SVM</div> <div>CRI</div> <div>SDCM</div> <div>SWITCHING CYCLE</div> <div>WARM UP TIME</div> <div>LIFETIME</div> <div>EFFICIENCY CLASS</div> <div>REF. CODE</div> | <div>100-240 V</div> <div>50/60 Hz</div> <div>&gt;0,9</div> <div>&lt;1</div> <div>0,4</div> <div>&gt; 80</div> <div>&lt;6</div> <div>30.000</div> <div>&lt; 1"</div> <div>25.000 h</div> <div>E</div> <div>H2.LED.HIP.CCT</div> |

## E27 HIGH POWER LED

TÜV- CB CERTIFIED LED MODULES

### SILICONE PROTECTION

DRIVER

### INDOOR & OUTDOOR USE

-30 +80 °C

90% HUMIDITY

VOLTAGE SURGE  
RESISTANT



### GOLD WIRE BONDING

- 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.



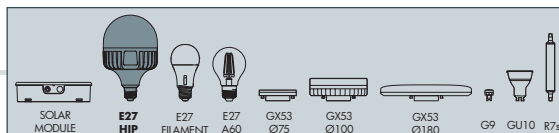
H. LED. H.P. 4K  
50W 210mA 4000K  
100-240V 50/60Hz  
2312

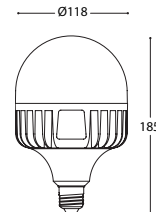
### THERMOCONDUCTIVE SILICONE PASTE

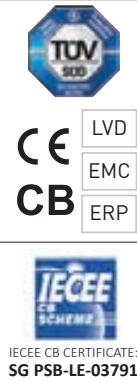
- To protect the driver against moisture and humidity up to **90%**, granting a longer product lifetime
- To help heat dissipation thanks to the metal powder inside the paste, granting **-30°+80°C** working temperature.
- To avoid the vibration and the unsoldering of the electronic components of the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

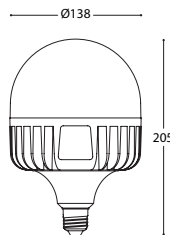


IECEE CB CERTIFICATE



| E27 HIGH POWER LED                                                                |  |                                                                                            |        |         |
|-----------------------------------------------------------------------------------|--|--------------------------------------------------------------------------------------------|--------|---------|
|  |  | POWER                                                                                      |        | 50 W    |
|                                                                                   |  | LUMINOUS FLUX<br>(Φ TOTAL)                                                                 | 3000 K | 5850 lm |
|                                                                                   |  |                                                                                            | 4000 K | 6550 lm |
| SIZE & SOCKET                                                                     |  | <br>E27 |        |         |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                     |              |           |  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|--------------|-----------|--|
| <div><div>SILICONE PROTECTION<br/>DRIVER</div><div></div><div>INDOOR &amp;<br/>OUTDOOR USE</div><div>-30 +80 °C90%<br/>HUMIDITY</div><div>VOLTAGE SURGE<br/>RESISTANT</div><div></div></div> <div><p>COMPLY WITH:<br/>EU 2019/2015<br/>EU 2019/2020</p></div> <div><p>IECEE CB CERTIFICATE:<br/>SG PSB-LE-03791</p></div> | VOLTAGE             |              | 100-240 V |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | FREQUENCY           |              | 50/60 Hz  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | DISPLACEMENT FACTOR |              | >0,9      |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | PSTLM (NO FLICKER)  |              | <1        |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | SVM                 |              | 0,4       |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | CRI                 |              | > 80      |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | SWITCHING CYCLE     |              | 30.000    |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | WARM UP TIME        |              | < 1"      |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | LIFETIME            |              | 25.000 h  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | KELVIN              | 3000 K       | 4000 K    |  |
| EFFICIENCY CLASS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                     | E            |           |  |
| REF. CODE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                     | H.LED.HIP.3K |           |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                     | H.LED.HIP.4K |           |  |

| E27 HIGH POWER LED                                                                  |                            |                                                                                              |         |  |
|-------------------------------------------------------------------------------------|----------------------------|----------------------------------------------------------------------------------------------|---------|--|
|  | POWER                      |                                                                                              | 60W     |  |
|                                                                                     | LUMINOUS FLUX<br>(Φ TOTAL) | 3000 K                                                                                       | 6800 lm |  |
|                                                                                     |                            | 4000 K                                                                                       | 7600 lm |  |
| SIZE & SOCKET                                                                       |                            | <br>E27 |         |  |

|                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                          |                                                                                                                                                                                                                                                                                                |                     |        |           |  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|--------|-----------|--|
| <div><div>SILICONE PROTECTION<br/>DRIVER</div><div></div><div>INDOOR &amp;<br/>OUTDOOR USE</div><div>-30 +80 °C90%<br/>HUMIDITY</div><div>VOLTAGE SURGE<br/>RESISTANT</div><div></div></div> | <div></div> <div>COMPLY WITH:<br/>EU 2019/2015<br/>EU 2019/2020</div> | <div><div>CECB</div><div>LVD<br/>EMC<br/>ERP</div></div> <div><div>IECEE CB CERTIFICATE:<br/>SG PSB-LE-03799</div></div> | VOLTAGE             |        | 100-240 V |  |
|                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                          |                                                                                                                                                                                                                                                                                                | FREQUENCY           |        | 50/60 Hz  |  |
|                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                          |                                                                                                                                                                                                                                                                                                | DISPLACEMENT FACTOR |        | >0,9      |  |
|                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                          |                                                                                                                                                                                                                                                                                                | PSTLM (NO FLICKER)  |        | <1        |  |
|                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                          |                                                                                                                                                                                                                                                                                                | SVM                 |        | 0,4       |  |
|                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                          |                                                                                                                                                                                                                                                                                                | CRI                 |        | > 80      |  |
|                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                          |                                                                                                                                                                                                                                                                                                | SWITCHING CYCLE     |        | 30.000    |  |
|                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                          |                                                                                                                                                                                                                                                                                                | WARM UP TIME        |        | < 0,5"    |  |
|                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                          |                                                                                                                                                                                                                                                                                                | LIFETIME            |        | 25.000 h  |  |
|                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                          |                                                                                                                                                                                                                                                                                                | KELVIN              | 3000 K | 4000 K    |  |
| EFFICIENCY CLASS                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                          | E                                                                                                                                                                                                                                                                                              |                     |        |           |  |
| REF. CODE                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                          | H4.LED.HIP.3K                                                                                                                                                                                                                                                                                  |                     |        |           |  |
|                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                          | H4.LED.HIP.4K                                                                                                                                                                                                                                                                                  |                     |        |           |  |