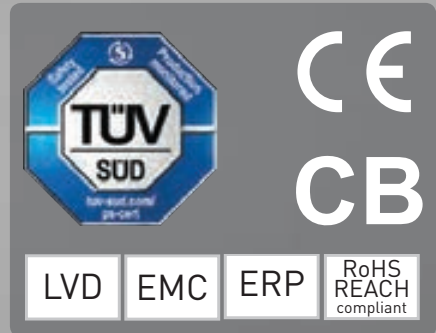


# FUMAGALLI LED LAMPS

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).



GARDEN REVIVAL  
GARDEN CLASSIC  
BOLLARD  
UP&DOWN  
DOWNLIGHT  
IN-GROUND  
BRICKLIGHT  
FLOODLIGHT  
BULKHEAD  
SOLAR  
URBAN CLASSIC  
URBAN REVIVAL  
URBAN MODERN  
POST  
LAMPS


# E27 LED

TÜV- CB CERTIFIED LED MODULES



**INDOOR & OUTDOOR USE**

-30 +80 °C	90% HUMIDITY
------------	--------------

VOLTAGE SURGE RESISTANT 


**LENS**

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



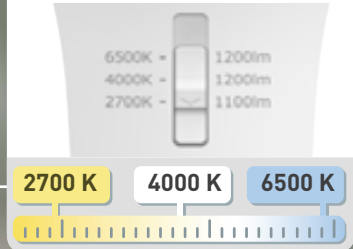
**GOLD WIRE BONDING**

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



**CCT SETTABLE**

- Switch settable in three different positions, to select the desired Kelvin temperature (2700K, 4000K, 6500K) and get a customized ambiance.
- 2700K, 4000K and 6500K led chips on 3 separate circuits to grant SDCM < 6.



6500K - 1200lm	1200lm
4000K - 1200lm	1200lm
2700K - 1100lm	1100lm

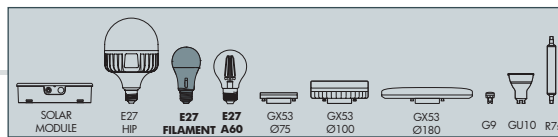
**2700 K**   **4000 K**   **6500 K**


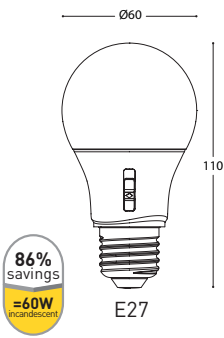
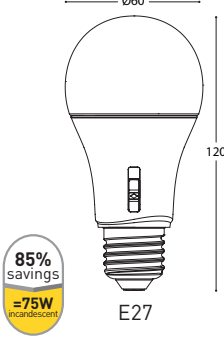
**DRIVER 100-240V**


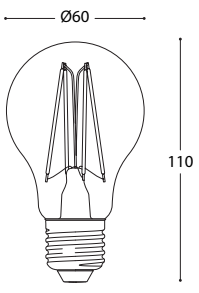
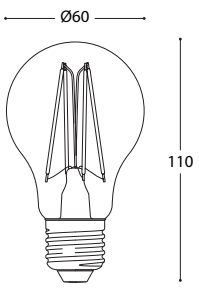
- IC isolated driver technology.
- Wide voltage range: **100-240V** +/- 10% tolerance to protect the driver both from voltage droop and voltage overshoot.





E27 LED A60- CCT SETTABLE				
	POWER	<b>8,5 W</b>	<b>11 W</b>	
	LUMINOUS FLUX (Φ TOTAL)	2700 K	840 lm	1100 lm
		4000 K	920 lm	1200 lm
	6500 K	920 lm	1200 lm	
	SIZE & SOCKET			
		<p>86% savings =60W incandescent</p> <p>85% savings =75W incandescent</p>		
<p><b>CCT SETTABLE</b></p> <p>2700 K 4000 K 6500 K</p> <p>SDCM &lt;6</p> <p><b>INDOOR &amp; OUTDOOR USE</b></p> <p>-30 +80 °C 90% HUMIDITY</p> <p>VOLTAGE SURGE RESISTANT</p> <p><b>ENERG+</b></p> <p>FUMAGALLI S.R.L. H.LED.A60.CCT</p> <p>A B C D E F G</p> <p>9 kWh/1000h</p> <p>COMPLY WITH: EU 2019/2015 EU 2019/2020</p> <p><b>TÜV SUD</b></p> <p>CE LVD EMC CB ERP</p> <p><b>IECEE</b> CB SCHEME</p> <p>IECEE CB CERTIFICATE: SG PSB-LE-03297</p>	VOLTAGE	100-240 V	100-240 V	
	FREQUENCY	50/60 Hz	50/60 Hz	
	DISPLACEMENT FACTOR	>0,5	>0,7	
	PSTLM (NO FLICKER)	< 1	< 1	
	SVM	0,4	0,4	
	CRI	> 80	> 80	
	SDCM	<6	<6	
	LIFETIME	25.000 h	25.000 h	
	EFFICIENCY CLASS	F	F	
	REF. CODE	H.LED.A60.CCT	H2.LED.A60.CCT	

E27 LED FILAMENT A60			
	POWER	<b>6,5 W</b>	
	LUMINOUS FLUX (Φ TOTAL)	2700 K	<b>800 lm</b>
	SIZE & SOCKET		
		<p>90% savings =60W incandescent</p>	
<p><b>INDOOR &amp; OUTDOOR USE</b></p> <p>-30 +80 °C 90% HUMIDITY</p> <p>VOLTAGE SURGE RESISTANT</p> <p><b>ENERG+</b></p> <p>FUMAGALLI S.R.L. H.LED.FIL.3K</p> <p>A B C D E F G</p> <p>7 kWh/1000h</p> <p>COMPLY WITH: EU 2019/2015 EU 2019/2020</p> <p><b>TÜV SUD</b></p> <p>CE LVD EMC CB ERP</p> <p><b>IECEE</b> CB SCHEME</p> <p>IECEE CB CERTIFICATE: SG PSB-LE-03735</p>	VOLTAGE	100-240 V	
	FREQUENCY	50/60 Hz	
	DISPLACEMENT FACTOR	>0,5	
	CRI	> 80	
	SWITCHING CYCLE	>100.000	
	WARM UP TIME	≤ 0,5"	
	LIFETIME	25.000 h	
	EFFICIENCY CLASS	E	
	REF. CODE	H.LED.FIL.3K	