

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.

| | | | |
|-----|-----|--------------|----------------------------|
| LVD | EMC | ERP 6000h | RoHS REACH compliant |
|-----|-----|--------------|----------------------------|



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.

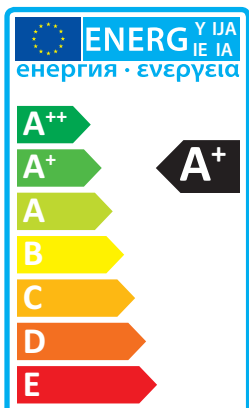


Humidity resistant - Weatherproof driver for a longer lifetime

- **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.



ERP
6000 h

ERP Attestation of conformity: Fumagalli lamps fulfil the European Ecodesign Directive 2009/125/EC and EU 2015/1428 about the energy performance requirements of energy related products. Lamp lumen maintenance factor after 6.000 hrs > 80%

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).



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

R7s LED

TÜV CERTIFIED LED MODULES



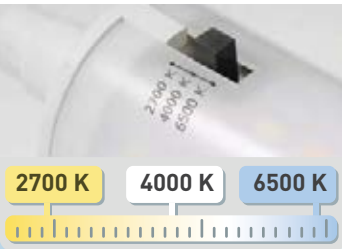
INDOOR & OUTDOOR USE

-30 +80 °C 90% HUMIDITY

VOLTAGE SURGE RESISTANT

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.



LENS

- Opal lens made of UV stabilized resin material to avoid yellowing process.
- Designed for granting 360° light distribution and for improving light efficiency.

HEATSINK

- Made by an aluminum tube on which the PCB is glued to.
- 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.
- High quality capacitors and multiple resistances able to withstand power surges.



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 3014 LED.



THERMOCONDUCTIVE SILICONE PASTE (7,5W-10,5W)

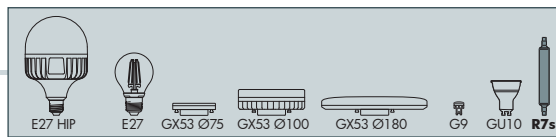
- To protect the driver against moisture and humidity up to **90%**, granting a longer product lifetime.
- To help heat dissipation thanks to the metal powder inside the paste, granting **-30°+80°C** working temperature.
- To avoid the vibration and the unsoldering of the electronic components of the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



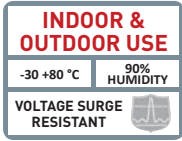

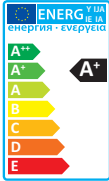

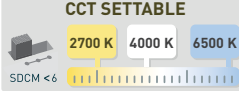
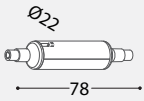
R7s LAMPHOLDER

- Quick and easy lamp replacement and version upgrade.
- Made of steatite material to resist up to 250°.
- VDE certified.



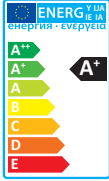

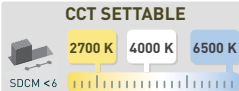
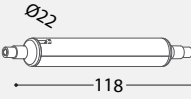






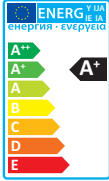

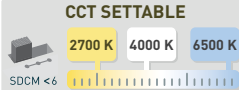
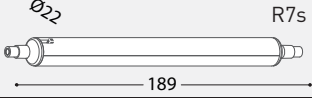
R7s LED 78mm - CCT SETTABLE

| | | | | |
|--|---|---|--------------------------|--|
|  <p>INDOOR & OUTDOOR USE -30 +80 °C 90% HUMIDITY VOLTAGE SURGE RESISTANT</p> |  <p>Ø22mm</p> |  | POWER | 3 W |
| | | | LUMINOUS FLUX | 400 lm |
|  <p>LVD EMC ERP 6000h</p> |  <p>CCT SETTABLE 2700 K 4000 K 6500 K SDCM <6</p> | | SIZE & SOCKET |  R7s Ø22 78 |
| | | | EFFICIENCY | 133 Lm/W |
| | | | VOLTAGE | 100-240 V |
| | | | FREQUENCY | 50/60 Hz |
| | | | CURRENT | 75 mA |
| | | | POWER FACTOR | > 0,5 |
| | | | COLOR RENDERING INDEX RA | > 80 |
| | | | SDCM | < 6 |
| | | | BEAM ANGLE | 360° |
| | | | WARM UP TIME | ≤ 0,5" |
| | | | SWITCHING CYCLE | 45.000 |
| | | | LIFETIME | 25.000 h |
| | | | KELVIN SETTABLE | 2700 K / 4000 K / 6500 K |
| | | | REF. CODE | H7.LED.R7S.CCT |

R7s LED 78mm - CCT SETTABLE

| | | | | |
|--|---|--|--------------------------|--|
|  <p>SILICONE PROTECTION DRIVER</p> <p>INDOOR & OUTDOOR USE -30 +80 °C 90% HUMIDITY VOLTAGE SURGE RESISTANT</p> |  <p>Ø22mm</p> |  | POWER | 7,5 W |
| | | | LUMINOUS FLUX | 850 lm |
|  <p>LVD EMC ERP 6000h</p> |  <p>CCT SETTABLE 2700 K 4000 K 6500 K SDCM <6</p> | | SIZE & SOCKET |  R7s Ø22 118 |
| | | | EFFICIENCY | 113 Lm/W |
| | | | VOLTAGE | 100-240 V |
| | | | FREQUENCY | 50/60 Hz |
| | | | CURRENT | 168 mA |
| | | | POWER FACTOR | > 0,5 |
| | | | COLOR RENDERING INDEX RA | > 80 |
| | | | SDCM | < 6 |
| | | | BEAM ANGLE | 360° |
| | | | WARM UP TIME | ≤ 0,5" |
| | | | SWITCHING CYCLE | 45.000 |
| | | | LIFETIME | 25.000 h |
| | | | KELVIN SETTABLE | 2700 K / 4000 K / 6500 K |
| | | | REF. CODE | H8.LED.R7S.CCT |

R7s LED 78mm - CCT SETTABLE

| | | | | |
|---|---|---|--------------------------|---|
|  <p>SILICONE PROTECTION DRIVER</p> <p>INDOOR & OUTDOOR USE -30 +80 °C 90% HUMIDITY VOLTAGE SURGE RESISTANT</p> |  <p>Ø22mm</p> |  | POWER | 10,5 W |
| | | | LUMINOUS FLUX | 1100 lm |
|  <p>LVD EMC ERP 6000h</p> |  <p>CCT SETTABLE 2700 K 4000 K 6500 K SDCM <6</p> | | SIZE & SOCKET |  R7s Ø22 189 |
| | | | EFFICIENCY | 104 Lm/W |
| | | | VOLTAGE | 100-240 V |
| | | | FREQUENCY | 50/60 Hz |
| | | | CURRENT | 170 mA |
| | | | POWER FACTOR | > 0,5 |
| | | | COLOR RENDERING INDEX RA | > 80 |
| | | | SDCM | < 6 |
| | | | BEAM ANGLE | 360° |
| | | | WARM UP TIME | ≤ 0,5" |
| | | | SWITCHING CYCLE | 45.000 |
| | | | LIFETIME | 25.000 h |
| | | | KELVIN SETTABLE | 2700 K / 4000 K / 6500 K |
| | | | REF. CODE | H9.LED.R7S.CCT |