



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.



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.

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.

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



SILICONE PROTECTION

DRIVER

**INDOOR &
OUTDOOR USE**

-30 +80 °C

90%
HUMIDITY

VOLTAGE SURGE
RESISTANT



HEATSINK

- Made by an aluminum tube on which the PCB is glued to.
- Special design to grant a correct heat dissipation



LENS

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

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

- 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 ceramic material to resist up to 250°.
- VDE certified.

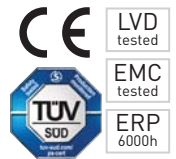


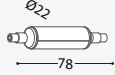
R7s LED 78mm



Ø22mm

NEW



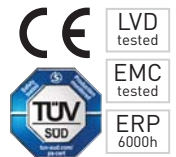
POWER	NEW 4 W	
LUMINOUS FLUX	400 lm	
SIZE & SOCKET	R7s	
EFFICIENCY	100 Lm/W	
VOLTAGE	100-240 V	
FREQUENCY	50/60 Hz	
CURRENT	75 mA	
POWER FACTOR	> 0,5	
COLOR RENDERING INDEX RA	> 80	
BEAM ANGLE	360°	
WARM UP TIME	≤ 0,5"	
SWITCHING CYCLE	45.000	
LIFETIME	25.000 h	
KELVIN	4000 K	3000 K
REF. CODE	H7.LED.R7S.4K	H7.LED.R7S.3K

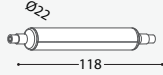
R7s LED 118mm



Ø22mm

NEW



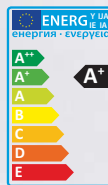
POWER	NEW 8,5 W	
LUMINOUS FLUX	900 lm	
SIZE & SOCKET	R7s	
EFFICIENCY	106 Lm/W	
VOLTAGE	100-240 V	
FREQUENCY	50/60 Hz	
CURRENT	168 mA	
POWER FACTOR	> 0,5	
COLOR RENDERING INDEX RA	> 80	
BEAM ANGLE	360°	
WARM UP TIME	≤ 0,5"	
SWITCHING CYCLE	45.000	
LIFETIME	25.000 h	
KELVIN	4000 K	3000 K
REF. CODE	H8.LED.R7S.4K	H8.LED.R7S.3K

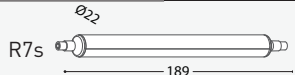
R7s LED 189mm



Ø22mm

NEW



POWER	NEW 11 W	
LUMINOUS FLUX	1200 lm	
SIZE & SOCKET	R7s	
EFFICIENCY	110 Lm/W	
VOLTAGE	100-240 V	
FREQUENCY	50/60 Hz	
CURRENT	170 mA	
POWER FACTOR	> 0,5	
COLOR RENDERING INDEX RA	> 80	
BEAM ANGLE	360°	
WARM UP TIME	≤ 0,5"	
SWITCHING CYCLE	45.000	
LIFETIME	25.000 h	
KELVIN	4000 K	3000 K
REF. CODE	H9.LED.R7S.4K	H9.LED.R7S.3K