





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 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).



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



TÜV CERTIFIED LED MODULES



INDOOR & OUTDOOR USE

-30 +80 °C	90% HUMIDITY
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VOLTAGE SURGE RESISTANT

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%**.

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.

LENS

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

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.



E27 LED A60- CCT SETTABLE

NEW

POWER		8,5 W	11 W
LUMINOUS FLUX (Φ TOTAL)	2700 K	840 lm	1100 lm
	4000 K	920 lm	1200 lm
	6500 K	920 lm	1200 lm

SIZE & SOCKET	84% savings ≈60W	85% savings ≈75W
<p>E27</p>	<p>E27</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

CCT SETTABLE

2700 K 4000 K 6500 K

SDCM <4

ENERGY

FUMAGALLI S.R.L.

H.LED.A60.CCT

9 kWh/1000h

TÜV SÜD

CE

CB

LVD
EMC
ERP

IECEE

CB SCHEME

IECEE CB CERTIFICATE:
SG PSB-LE-03297

INDOOR & OUTDOOR USE

-30 +80 °C 90% HUMIDITY

VOLTAGE SURGE RESISTANT

COMPLY WITH:
EU 2019/2015
EU 2019/2020

E27 LED FILAMENT A60

POWER		6,5 W
LUMINOUS FLUX (Φ TOTAL)	2700 K	800 lm

SIZE & SOCKET	90% savings ≈60W
<p>E27</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

ENERGY

FUMAGALLI S.R.L.

H.LED.FIL.3K

7 kWh/1000h

TÜV SÜD

CE

CB

LVD
EMC
ERP

IECEE

CB SCHEME

IECEE CB CERTIFICATE:
SG PSB-LE-03735

INDOOR & OUTDOOR USE

-30 +80 °C 90% HUMIDITY

VOLTAGE SURGE RESISTANT

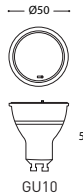
COMPLY WITH:
EU 2019/2015
EU 2019/2020

E27 HIGH POWER LED				
		POWER	15 W	30W
		LUMINOUS FLUX (Φ TOTAL)		3000 K 4000 K
<p>INDOOR & OUTDOOR USE</p> <p>-30 +80 °C 90% HUMIDITY</p> <p>VOLTAGE SURGE RESISTANT</p>		<p>30 kWh/1000h</p> <p>COMPLY WITH: EU 2019/2015 EU 2019/2020</p>	<p>LVD EMC CB ERP</p>	<p>IECEE CB CERTIFICATE: SG PSB-LE-03835 SG PSB-LE-03834</p>
		VOLTAGE	100-240 V	100-240 V
		FREQUENCY	50/60 Hz	50/60 Hz
		DISPLACEMENT FACTOR	>0,7	>0,9
		PSTLM (NO FLICKER)	<1	<1
		SVM	0,4	0,4
		CRI	> 80	> 80
		SDCM	<6	<6
		SWITCHING CYCLE	30.000	30.000
		WARM UP TIME	< 0,5"	< 1"
		LIFETIME	25.000 h	25.000 h
		EFFICIENCY CLASS	F	E
		REF. CODE	H3.LED.HIP.CCT	H2.LED.HIP.CCT

E27 HIGH POWER LED				
		POWER	50 W	60W
		LUMINOUS FLUX (Φ TOTAL)		3000 K 4000 K
<p>INDOOR & OUTDOOR USE</p> <p>-30 +80 °C 90% HUMIDITY</p> <p>VOLTAGE SURGE RESISTANT</p>		<p>50 kWh/1000h</p> <p>COMPLY WITH: EU 2019/2015 EU 2019/2020</p>	<p>LVD EMC CB ERP</p>	<p>IECEE CB CERTIFICATE: SG PSB-LE-03791 SG PSB-LE-03799</p>
		VOLTAGE	100-240 V	100-240 V
		FREQUENCY	50/60 Hz	50/60 Hz
		DISPLACEMENT FACTOR	>0,9	>0,9
		PSTLM (NO FLICKER)	<1	<1
		SVM	0,4	0,4
		CRI	> 80	> 80
		SWITCHING CYCLE	30.000	30.000
		WARM UP TIME	< 1"	< 0,5"
		LIFETIME	25.000 h	25.000 h
		KELVIN	3000 K 4000 K	3000 K 4000 K
		EFFICIENCY CLASS	E	E
		REF. CODE	H.LED.HIP.3K H.LED.HIP.4K	H4.LED.HIP.3K H4.LED.HIP.4K

GU10 LED - CCT SETTABLE



POWER		3,5 W
LUMINOUS FLUX (Φ TOTAL)	2700 K	329 lm
	4000 K	366 lm
SIZE & SOCKET		 <p>— Ø50 — 54 GU10</p>
LUMINOUS FLUX (Φ USE 90°)		260 lm
VOLTAGE		100-240 V
FREQUENCY		50/60 Hz
DISPLACEMENT FACTOR		>0
PSTLM (NO FLICKER)		<1
SVM		0,4
CRI		> 80
SDCM		<3
BEAM ANGLE		43°
SWITCHING CYCLE		> 25.000
WARM UP TIME		≤ 0,5"
LIFETIME		25.000 h
EFFICIENCY CLASS		F
REF. CODE		H.LED.GU10.CCT

CCT SETTABLE
2700 K 4000 K

SILICONE PROTECTION DRIVER

INDOOR & OUTDOOR USE

-30 +80 °C 90% HUMIDITY

VOLTAGE SURGE RESISTANT

ENERG+
FUMAGALLI S.R.L.
LED GU10 CCT

4

COMPLY WITH:
EU 2019/2015
EU 2019/2020

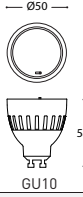
TUV SUD

CE LVD
CB EMC
ERP

IECEE
CB SCHEME
SG PSB-LE-02300A1

GU10 LED - CCT SETTABLE



POWER		6 W
LUMINOUS FLUX (Φ TOTAL)	2700 K	562 lm
	4000 K	615 lm
SIZE & SOCKET		 <p>— Ø50 — 58 GU10</p>
LUMINOUS FLUX (Φ USE 90°)		440 lm
VOLTAGE		100-240 V
FREQUENCY		50/60 Hz
DISPLACEMENT FACTOR		>0,5
PSTLM (NO FLICKER)		<1
SVM		0,9
CRI		> 80
SDCM		<3
BEAM ANGLE		45°
SWITCHING CYCLE		> 25.000
WARM UP TIME		≤ 0,5"
LIFETIME		25.000 h
EFFICIENCY CLASS		F
REF. CODE		H2.LED.GU10.CCT

CCT SETTABLE
2700 K 4000 K

SILICONE PROTECTION DRIVER

INDOOR & OUTDOOR USE

-30 +80 °C 90% HUMIDITY

VOLTAGE SURGE RESISTANT

ENERG+
FUMAGALLI S.R.L.
LED GU10 CCT

6

COMPLY WITH:
EU 2019/2015
EU 2019/2020

TUV SUD

CE LVD
CB EMC
ERP

IECEE
CB SCHEME
SG PSB-LE-02300A1

GX53 LED Ø75mm- CCT SETTABLE


	POWER		3 W
	LUMINOUS FLUX (Φ TOTAL)	3000 K	405 lm
4000 K		410 lm	
6500 K		410 lm	
SIZE & SOCKET			
	<p>LUMINOUS FLUX (Φ USE 120°) 335 lm</p> <p>VOLTAGE 100-240 V</p> <p>FREQUENCY 50/60 Hz</p> <p>PSTLM (NO FLICKER) <1</p> <p>SVM 0,4</p> <p>CRI > 80</p> <p>SDCM <6</p> <p>BEAM ANGLE 112°</p> <p>SWITCHING CYCLE > 30.000</p> <p>WARM UP TIME 0s</p> <p>LIFETIME 25.000 h</p> <p>EFFICIENCY CLASS E</p> <p>REF. CODE H.LED.G53.CCT</p>		
<p>CCT SETTABLE</p> <p>3000 K 4000 K 6500 K</p> <p>SDCM <6</p>	<p>3</p> <p>1000h/10000h</p> <p>SDCM <6</p>	<p>CE</p> <p>CB</p> <p>LVD</p> <p>EMC</p> <p>ERP</p>	<p>IECEE CB CERTIFICATE</p> <p>SG PSB-LE-03887</p>
<p>INDOOR & OUTDOOR USE</p> <p>-30 +80 °C 90% HUMIDITY</p> <p>VOLTAGE SURGE RESISTANT</p>	<p>COMPLY WITH:</p> <p>EU 2019/2015</p> <p>EU 2019/2020</p>		

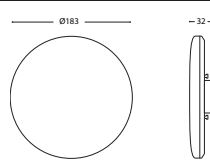
GX53 LED Ø100mm - CCT SETTABLE

	POWER		10W
	LUMINOUS FLUX (Φ TOTAL)	3000 K	1190 lm
4000 K		1290 lm	
6500 K		1210 lm	
SIZE & SOCKET			
	<p>LUMINOUS FLUX (Φ USE 120°) 975 lm</p> <p>VOLTAGE 100-240 V</p> <p>FREQUENCY 50/60 Hz</p> <p>DISPLACEMENT FACTOR >0,5</p> <p>PSTLM (NO FLICKER) < 1</p> <p>SVM 0,4</p> <p>CRI > 80</p> <p>SDCM <6</p> <p>BEAM ANGLE 112°</p> <p>SWITCHING CYCLE > 30.000</p> <p>WARM UP TIME 0s</p> <p>LIFETIME 25.000 h</p> <p>EFFICIENCY CLASS E</p> <p>REF. CODE H3.LED.G53.CCT</p>		
<p>CCT SETTABLE</p> <p>3000 K 4000 K 6500 K</p> <p>SDCM <6</p>	<p>10</p> <p>1000h/10000h</p> <p>SDCM <6</p>	<p>CE</p> <p>CB</p> <p>LVD</p> <p>EMC</p> <p>ERP</p>	<p>IECEE CB CERTIFICATE</p> <p>SG PSB-LE-03887</p>
<p>INDOOR & OUTDOOR USE</p> <p>-30 +80 °C 90% HUMIDITY</p> <p>VOLTAGE SURGE RESISTANT</p>	<p>COMPLY WITH:</p> <p>EU 2019/2015</p> <p>EU 2019/2020</p>		

GX53 LED Ø180mm- CCT SETTABLE

NEW



POWER		7,2 W
LUMINOUS FLUX (Φ TOTAL)	2700 K	795 lm
	4000 K	920 lm
	6500 K	920 lm
SIZE & SOCKET		 <p style="text-align: center;">GX53</p>

CCT SETTABLE
SDCM <6

2700 K 4000 K 6500 K

SILICONE PROTECTION DRIVER

INDOOR & OUTDOOR USE

-30 +80 °C 90% HUMIDITY

VOLTAGE SURGE RESISTANT

ENERGY

FUMAGALLI SRL
H4 LED G53 CCT10

A B C D E F G

8 kWh/1000h

COMPLY WITH:
EU 2019/2015
EU 2019/2020

TUV SUD

CE LVD
CB EMC
ERP

IECEE

IECEE CB CERTIFICATE:
SG PSB-LE-03936

LUMINOUS FLUX (Φ USE 120°)	640 lm
VOLTAGE	100-240 V
FREQUENCY	50/60 Hz
DISPLACEMENT FACTOR	>0,5
PSTLM (NO FLICKER)	<1
SVM	0,4
CRI	> 80
SDCM	<6
BEAM ANGLE (FWHM)	109°
SWITCHING CYCLE	> 30.000
WARM UP TIME	≤ 0,5"
LIFETIME	25.000 h
EFFICIENCY CLASS	F
REF. CODE	H6.LED.G53.CCT

16

BOLLARD

34

UP&DOWN

44


FLOODLIGHT

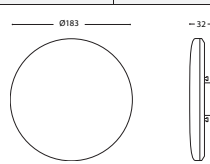
54

IN-GROUND

GX53 LED Ø180mm- CCT SETTABLE

NEW



POWER		11,3 W	17 W
LUMINOUS FLUX (Φ TOTAL)	2700 K	1380 lm	2070 lm
	4000 K	1510 lm	2350 lm
	6500 K	1510 lm	2350 lm
SIZE & SOCKET		 <p style="text-align: center;">GX53</p>	

CCT SETTABLE
SDCM <6

2700 K 4000 K 6500 K

SILICONE PROTECTION DRIVER

INDOOR & OUTDOOR USE

-30 +80 °C 90% HUMIDITY

VOLTAGE SURGE RESISTANT

ENERGY

FUMAGALLI SRL
H4 LED G53 CCT10

A B C D E F G

12 kWh/1000h

COMPLY WITH:
EU 2019/2015
EU 2019/2020

TUV SUD

CE LVD
CB EMC
ERP

IECEE

IECEE CB CERTIFICATE:
SG PSB-LE-03936

LUMINOUS FLUX (Φ USE 120°)	1100 lm	1660 lm
VOLTAGE	100-240 V	100-240 V
FREQUENCY	50/60 Hz	50/60 Hz
DISPLACEMENT FACTOR	>0,7	>0,7
PSTLM (NO FLICKER)	<1	<1
SVM	0,4	0,4
CRI	> 80	> 80
SDCM	<6	<6
BEAM ANGLE (FWHM)	110°	108°
SWITCHING CYCLE	> 25.000	> 25.000
WARM UP TIME	≤ 0,5"	≤ 0,5"
LIFETIME	25.000 h	25.000 h
EFFICIENCY CLASS	E	E
REF. CODE	H4.LED.G53.CCT	H5.LED.G53.CCT

60

BRICKLIGHT

70

BULKHEAD

88

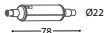
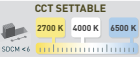





POST

92

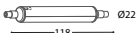

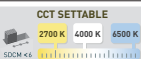


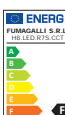


LAMPS

TÜV CERTIFIED LED MODULES

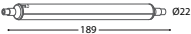

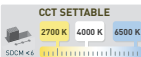


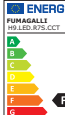


R7s LED 78mm- CCT SETTABLE

SIZE & SOCKET	R7s 	POWER	3,5W
 <p>CCT SETTABLE 2700 K 4000 K 6500 K SDCM <6</p>		LUMINOUS FLUX (Φ TOTAL)	2700 K 325 lm
		4000 K 365 lm	
		6500 K 365 lm	
 <p>INDOOR & OUTDOOR USE -30 +80 °C 90% HUMIDITY VOLTAGE SURGE RESISTANT</p>  <p>ENERGY+ FUMAGALLI S.R.L. R7 LED R7S CCT</p>  <p>4 kWh/1000h EURO/2020</p>  <p>COMPLY WITH: EU 2019/2015 EU 2019/2020</p>	VOLTAGE	100-240 V	
	FREQUENCY	50/60 Hz	
	DISPLACEMENT FACTOR	>0	
	PSTLM (NO FLICKER)	<1	
	SVM	0,4	
	CRI	> 80	
	SDCM	<6	
	SWITCHING CYCLE	45.000	
	WARM UP TIME	≤ 0,5"	
	LIFETIME	25.000 h	
	EFFICIENCY CLASS	F	
	REF. CODE	H7.LED.R7S.CCT	








R7s LED 118mm- CCT SETTABLE

SIZE & SOCKET	R7s 	POWER	7,5 W
 <p>SILICONE PROTECTION DRIVER</p>  <p>CCT SETTABLE 2700 K 4000 K 6500 K SDCM <6</p>		LUMINOUS FLUX (Φ TOTAL)	2700 K 680 lm
		4000 K 775 lm	
		6500 K 790 lm	
 <p>INDOOR & OUTDOOR USE -30 +80 °C 90% HUMIDITY VOLTAGE SURGE RESISTANT</p>  <p>ENERGY+ FUMAGALLI S.R.L. R7 LED R7S CCT</p>  <p>8 kWh/1000h EURO/2020</p>  <p>COMPLY WITH: EU 2019/2015 EU 2019/2020</p>	VOLTAGE	100-240 V	
	FREQUENCY	50/60 Hz	
	DISPLACEMENT FACTOR	>0,5	
	PSTLM (NO FLICKER)	<1	
	SVM	0,4	
	CRI	> 80	
	SDCM	<6	
	SWITCHING CYCLE	45.000	
	WARM UP TIME	≤ 0,5"	
	LIFETIME	25.000 h	
	EFFICIENCY CLASS	F	
	REF. CODE	H8.LED.R7S.CCT	

R7s LED 189mm- CCT SETTABLE

SIZE & SOCKET	R7s 	POWER	10,5 W
 <p>SILICONE PROTECTION DRIVER</p>  <p>CCT SETTABLE 2700 K 4000 K 6500 K SDCM <6</p>		LUMINOUS FLUX (Φ TOTAL)	2700 K 1000 lm
		4000 K 1130 lm	
		6500 K 1160 lm	
 <p>INDOOR & OUTDOOR USE -30 +80 °C 90% HUMIDITY VOLTAGE SURGE RESISTANT</p>  <p>ENERGY+ FUMAGALLI S.R.L. R7 LED R7S CCT</p>  <p>11 kWh/1000h EURO/2020</p>  <p>COMPLY WITH: EU 2019/2015 EU 2019/2020</p>	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	45.000	
	WARM UP TIME	≤ 0,5"	
	LIFETIME	25.000 h	
	EFFICIENCY CLASS	F	
	REF. CODE	H9.LED.R7S.CCT	

G9LED

	POWER	1,7 W	
	LUMINOUS FLUX (Φ TOTAL)	3000 K 4000 K	150 lm 150 lm
SIZE & SOCKET			
    	VOLTAGE	100-240 V	
	FREQUENCY	50/60 Hz	
	PSTLM (NO FLICKER)	<1	
	SVM	0,9	
	CRI	> 80	
	SDCM	<6	
	SWITCHING CYCLE	>40.000	
	WARM UP TIME	≤ 0,5"	
	LIFETIME	15.000 h	
	KELVIN	3000 K	4000 K
EFFICIENCY CLASS	F		
REF. CODE	H.LED.G09.3K		H.LED.G09.4K

SOLAR MODULE - CCT SETTABLE

     	SIZE			
	SUMMER MODE		LUMEN	42
			AUTONOMY	25h
	WINTER MODE		LUMEN	20
			AUTONOMY	46h
	SENSORE MODE		LUMEN	280
			ACTIVE TIME	25 sec
			N° Detections	423
	SOLAR PANEL		5V/2W Monocrystalline PET type Antishock material	
	CHARGING TIME		6h	
REPLACEABLE BATTERY		LiFePO4 IFR26650 3,3Ah, 3,2V No Risk of explosion Working temperature -10° to +60°C Longer Lifetime		
PIR SENSOR		Detection angle 120° Fields of detection up to 5 mt Active for 25 sec.		
LED		3 CIRCUITS	SMD 3528	
		COLOR RENDERING INDEX RA	> 80	
		SDCM	< 6	
		LIFETIME	30.000 h	
		KELVIN SETTABLE	3000 K / 4000 K / 6500 K	
REF. CODE	H.LED.SOL.CCT			