

Nowadays, the new Helios Technology's DC fluorescent lamps are the best available on the market, thanks to their exclusive design, quality and performance. They have an average operating lifetime of 8000 hours and they allow an energy saving of 75% compared with the traditional incandescent lamps. These fluorescent lamps are equipped with a special high-performance electronic ballast which is realized using high technology. This is the reason why they can stand remarkable input voltage variations and critical environmental conditions.

These features make these lamps particularly suitable to be used for photovoltaic systems in remote areas.

In order to meet the customer's requests, Helios Technology has developed three different series of low consumption fluorescent lamps to power at 12 or 24 VDC:

**- LH12 and LH15 lamps:**

Complete with an elegant fixture, a polycarbonate screen and one built-in ON/OFF main switch, their light is warm and pleasant, like the incandescent lamps' one.



**- LC7, LC11, LC13, LC15 lamps:**

This new range produced by Helios Technology is characterized by low cost, high efficiency, warm and pleasant light. In fact, their coiled bulb is the Helios Technology's innovation to increase both the lighting efficiency and the uniformity of the light beam.

Their E27 standard socket let them to be plugged-in universally.



**FEATURES:**

- Low power consumption
- High efficiency (55-60 Lumens/watt)
- Long operating lifetime (usually 8000 hours)
- Protected against polarity reverse
- Free from flicker effect or radio and TV interferences
- Electronically-controlled frequency



**TECHNICAL DATA**

MODEL		LC7	LC11	LC13	LC15	LH12	LH15
Nominal power	Watts	7	11	13	15	12	15
Nominal current (at 12 / 24V)	Amps	0,6	0,9	0,55	1,05	1,00 / 0,40	1,33 / 0,55
Nominal voltage	VDC $\pm 20\%$	12	12	24	12	12 / 24	12
Light intensity	Lumens	380	680	800	950	600	900
Typical bulb lifetime	Hours	8000	8000	8000	8000	8000	8000
Incandescence bulb equivalent	Watts	40	60	70	75	60	75
Protection degree		/	/	/	/	IP40	IP40
Operating temperature	°C	from -20 to +50	from -20 to +50	from -20 to +50	from -20 to +50	from -20 to +50	from -20 to +50
Dimensions	mm	125x45	125x45	125x45	125x45	345x71x42	345x71x42
Weight	g	70	70	70	70	330	330
Socket type		E27	E27	E27	E27	/	/
Bulb type	Philips (2 pins)	/	/	/	/	PL-S9/82	PL-S11/82
	Osram (2 pins)	/	/	/	/	DULUX S-9W	DULUX S-11W