

The new Helios fluorescent lamps represent the best available on the market, thanks to their exclusive design, quality and performance. The use of these new compact lamps grants an energy saving of more than 75% compared to the traditional incandescent lamps. The Helios fluorescent lamps are equipped with a special electronic ballast, which is realized with innovative technology and high performance, thus allowing considerable input voltage variations and critical environmental conditions.

These features make them particularly suitable for use in photovoltaic systems in remote areas.

In order to meet the various customer's demands, Helios Technology has developed three different series of low consumption fluorescent lamps to be powered at 12/24 Vdc.

**- LH12 and LH15 lamps:**

made of nice casing and equipped with the main switch. Their light colour is very warm and similar to the one of the incandescent bulbs.

**- AIRAM 15 12/24V and AIRAM 20 12/24V lamps:**

equipped with compact fluorescent bulbs 15 and 20W, and E27 socket. Their light colour is very warm and similar to the one of the incandescent bulbs.

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

They are the new series made by Helios, featuring low cost together with high efficiency and a warm and pleasant light. Their coiled bulb in fact is an innovation introduced by Helios to keep both a high lighting performance and a uniform light beam. Their standard E27 socket makes them all-purpose useful.



**FEATURES:**

- Low consumption
- High efficiency (typically 55-60 Lumens/watts)
- High brillancy
- Long lifetime (typically over 8.000 hours)
- Protection against reverse polarity
- Free from flicker effect and radio, TV interferences
- Automatic frequency control

**TECHNICAL DATA**

MODEL		LC7	LC11	LC15	AIRAM 15 12/24V	AIRAM 20 12/24V	LH12	LH15
Nominal power	Watts	7	11	15	15	20	12	15
Nominal current (12/24V)	Amps	0,6	0,9	1,05	0,83/0,47	0,94/0,56	1,00/0,40	1,33/0,55
Nominal voltage	V.D.C. +20%	12	12	12	12/24	12/24	12/24	12/24
Luminous flux	Lumens	380	680	950	830	1100	600	900
Bulb average life span	Hours	8000	8000	8000	8000	8000	8000	8000
Equivalent to incandescent bulb	Watts	40	60	75	80	100	60	75
Protection degree		/	/	/	/	/	IP40	IP40
Operating temperature	°C	from -10 to +50	from -10 to +50	from -10 to +50	from -10 to +50	from -10 to +50	from -10 to +50	from -10 to +50
Dimensions	mm	125x45	125x45	125x45	151x50	166x50	345x71x42	345x71x42
Weight	gr.	70	70	70	140	140	330	330
Socket Type		E27	E27	E27	E27	E27	/	/
Bulb type	Philips (2 pins)	/	/	/	/	/	PL-S9/82	PL-S11/82
	Osram (2 pins)	/	/	/	/	/	DULUX S-9W	DULUX S-11W