

LED External Street Lighting Lanterns - Energy Saving.

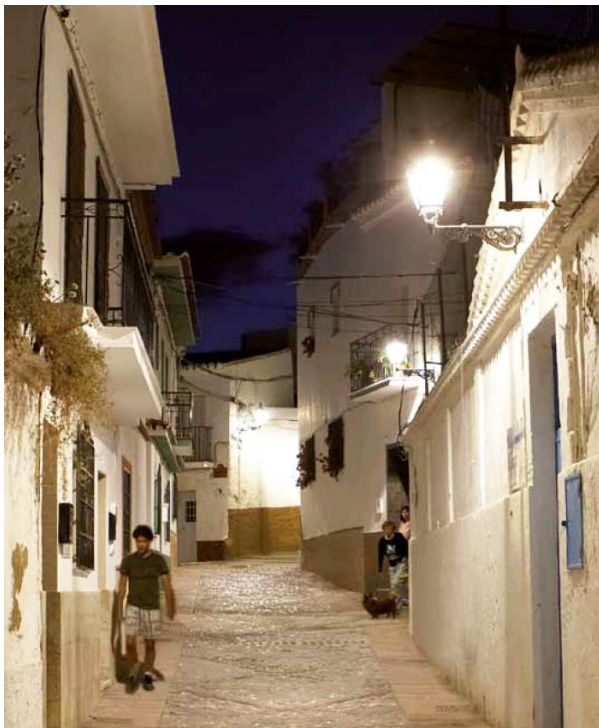
Advanced LED street lighting lanterns offer a unique opportunity to provide major energy savings when replacement of Mercury & Sodium street lighting is being considered.

Energy can be saved in two ways:-

1. Similar light output is achieved with a much lower powered LED lantern.
2. By automatically dimming the LED lights to a specific level, say 50%, at times of low traffic movement between 10pm at night and 6 am each morning.

This can provide huge energy savings in areas such as Industrial estates, shopping precinct, & residential areas, where there is low level traffic and pedestrian movement late at night, and in the early hours of the morning.

Effects of dimming on the street



Full light in the evening



Low light levels late at night

Benefits

- No complex control systems required, the dimming feature is pre-programmed and integrated into the LED drivers.
- No additional wiring or control systems required.
- LED offer improved quality of white light compared to traditional external light sources such as mercury and sodium lighting.
- Improved LED lanterns provide accurate directional light outputs which don't over illuminate the area, and will not cause light pollution.
- LED lighting can provide a 70% energy saving when compared with Sodium or Mercury Vapour Lamps.
- Philips LED's provide a much extended lamp life of 50,000 hours which is important when maintenance costs may include the cost of erection of access scaffolding or mobile platforms for replacement of failed lamps.
- Mercury lamp light sources which are still widespread throughout the UK for external street lighting, will not be available after 2015.

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