

# Electrical Express UK Ltd.

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## **Knightstar Street Lantern**



The Knightstar street Lantern is an innovative LED low energy microprocessor controlled lantern. The optical system has been purposely designed to provide high quality light output. It is rated to IP67 and has an anti-pollutant resistant coating and built in front and rear light shields as standard.

Unlike other LED Lanterns the Knightstar range has built in redundancy to overcome any possible failures that might happen. The LEDS are only driven at approximately 80 percent of their full power rating. This reduces the operating temperature and further improves the operating life of the devices. Should, however, a LED string fail, the control system and optical systems automatically compensate for this without any loss to light quality output, uniformity or brightness.

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## **Key components of the Knightstar lantern are:**

**Novel innovative design using state of the art technology.**

**Very low investment costs compared to other LED Lanterns currently on the market.**

**Tough lightweight aluminum vandal resistant enclosure.**

**High output LED modules using American manufactured LED chips.**

**Specially designed Vandal resistant optical System.**

**Onboard Microprocessor controls the switching times and incorporates civil twilight for its location in its switch regime.**

**Input voltage surge suppression with self resetting fuse.**

**High quality components used throughout.**

**Power factor >0.96.**

**Remote control maintenance facility.**

**Fully RHOS compliant.**

**80K+ operational hours.**

**All of the above features provide a highly reliable cost effective solution to meet the exact and demanding requirements of a highly advanced luminaire.**

**It will provide a quality light with low running costs and extremely low maintenance costs for decades to come.**

**This lantern is the latest product in our highly successful range of innovative solid state, low energy and carbon reducing LED systems in use in the street lighting industry around the UK**