

The NEW easy-fit design WESTIRE SmartStar Electronic Ballast

WESTIRE **SmartStar** Ballasts offer an affordable, high quality and intelligent street lighting solution to power all High Pressure Sodium, Metal Halide (including COSMO CDM HQI) and HID Lamps. This reliable and flexible Electronic Ballast can be programmed with interactive communications software so as to allow two-way communication with Control and Monitoring Systems incorporating Lon Works & DALI.

WESTIRE **SmartStar** Ballasts eliminate any form of arc tube damage and will maintain full power to the lamp even if the mains input voltage dips or fluctuates to 70V below its nominal.



WESTIRE SmartStar Ballast

**Guaranteed
For 8 Years**

Key benefits of the SmartStar:

- **Unity power factor**
- **Small compact size**
- **Lamp current crest factor <1.4 (typically <1.1)**
- **Total supply current harmonic distortion <15% (typically <8%)**
- **No acoustic resonance regardless of lamp type**
- **Ignition and power waveform designed to power all HID Lamps (SON, Metal Halide, Cosmo, StreetWise, Lucalox, AURA, PowerBall etc)**
- **Lamp end of life shutdown and reporting feature**
- **Can be factory set to any HID lamp power between 45W - 150W**
- **The perfect drive power waveform to power old and new lamps**
- **Designed for a range of International monitoring and control systems:**
 - **DALI, Lon Works etc**
- **Safety splash proof cover (on request)**
- **Factory configured part-night available (on request)**
- **Two versions available - 10m or 25m ignition**

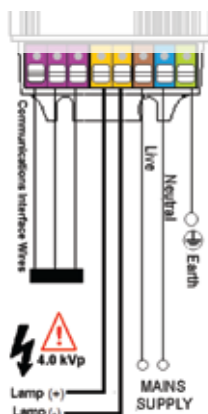


All WESTIRES Products are manufactured within the European Union including the WESTIRE SmartStar Ballasts and in compliance with all the necessary EU Directives applicable to Road and Street Light Controls. Automated State of the Art Production Machinery is utilised for manufacturing along with all the necessary computerised test equipment and burn-in ovens. Regular independent audits are carried out so as to ensure full compliance with I.S. EN ISO, UL and CUL manufacturing standards

The WESTIRE SmartStar

Even if there is no two way communication this ballast can be programmed to dim or switch on/off at specified times during the night with the use of a standard photocell or where group switching is employed.

Manufactured in the EU the **WESTIRE SmartStar** Ballasts can be specified with up to four different dimming regimes per night for energy saving, carbon reduction and safety.



Technical Specifications

Mains Input Voltage	180 - 260 Volts 50/60Hz
Power Factor	Typically >0.98
Dimensions	143mm X 78mm X 46mm
Ballast Power Consumption	<1 watt
Lamp Types	All Types of HID Lamps
Lamp Wattage	45 to 150 Watts HID Lamps
Maximum Case Temperature	75°C
Minimum Case Temperature	-20°C
Load Current Crest Factor	<1.4 (typically <1.1)
Power Waveform Frequency	80Hz
Lamp Power Variation	<3% over 180V to 260V supply voltage
Efficiency	>90%
Harmonic Distortion & EMC	EN 55015; EN 61547; EN 61000-3-2; EN 61000-3-3
Manufacturing Quality	IS EN ISO 9001:2008
Ripple Current	Less than 3.6%
Ignition	3.2KV
UMSUG Codes	Please refer to website



Doc No. 2 WESTIRE SmartStar

WESTIRE Technology
Limited
Industrial Estate
Belmullet
County Mayo
Ireland F26 TE81

WEB: www.westire.com
Tel: + 353 (0) 97 81209
Fx: + 353 (0) 97 81400
E Mail: info @
Westire.com

