

# The NEW easy-fit design SELC SmartStar Electronic Ballast



SELC **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.

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

## SELC SmartStar

**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



[www.selclighting.com](http://www.selclighting.com)

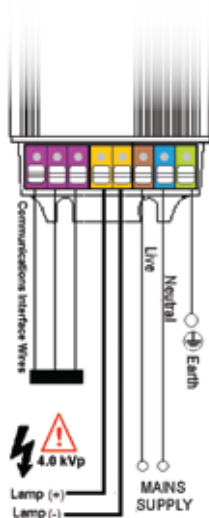
 **SELC**  
Power Behind Light

# The SELC 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 **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	184mm 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

\*Guarantee subject to SELC Terms & Conditions



Doc No. SELC SmartStar Rev 1

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