



ILUM-A-LITE PTY LTD

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LIGHT ECO *plus*

HID-XLR

Technical Information

Do not use **Light Eco[®] Plus HID-XLR** in wet or damp conditions

Do not mount **Light Eco[®] Plus HID-XLR** upside down

Every circuit MUST be current tested prior to installation



Made especially for High Intensity Discharge lamps

Input: Normal AC voltage frequency 50 or 60 Hz.

Output: Full power timer programmable to suit all types of discharge lighting. Saves a minimum of 17% of full power once in Economy mode after 15 minute warm-up period.

Continuously monitors the supply voltage: Switches out of Economy mode when mains voltage drops by 10%.

Continuously monitors the current: Senses load change, switches out of Economy mode when an additional load is added to allow easy lamp striking for the new load. Minimum load required is 4 amperes.

Dynamic LCD: Liquid Crystal Display shows status of the unit and actual savings.

Bypass function: Manual bypass to full power to allow lamp maintenance. Automatic return to economy mode after 60 minutes.

Programmable: Optional USB port allows selected operating parameters to be changed by qualified technicians.

Data store and retrieval: Last 20 operations stored and retrievable through optional USB port.

Overload protection: Bypass to direct mains supply if KVA rating is exceeded.

Environmental Range: Temp range: -15°C to +50°C
Humidity: 80%

Identification: **Light Eco[®] Plus 3.8 HID-XLR**

Savings: Minimum of 17% guaranteed

Load: 3800 VA **Weight:** 8kg (17.6lb)

Dimensions: 305 x 170 x 100mm (12x6.6x3.8inch)

Applications: For use with Mercury Vapour, Metal Halide and High Pressure Sodium lighting. Note lux levels will be affected when this energy controller engages Economy mode. If new lamps are fitted prior to installation, lumen depreciation is minimal.

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saving energy doesn't have to cost the earth™



Made to ISO 9002 Quality Standard
Complies with A/NZ Standard: 3350.1
Holds Australian C-Tick Approval: N1759
Complies with European EMC Standards:
EN55015, EN60598, EN60742 & EN61000



Installation Instructions

Mounting

The **Light Eco® Plus HID-XLR** energy controller can be mounted vertically, horizontally or ceiling mounted.

The energy controller must have adequate ventilation and **should never be mounted upside down.**

When energy controllers are mounted in rows the following **minimum separation** between units must be observed:

Horizontal space between units	50mm
Vertical space between units	100mm

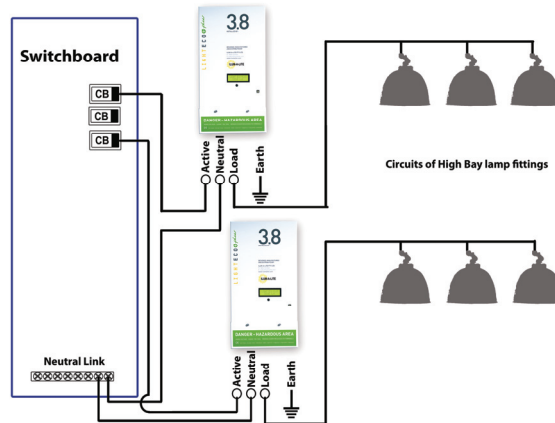
Electrical Connection

Connections to **Light Eco® Plus HID-XLR** are made at the terminal block under the small cover at the base of the unit.

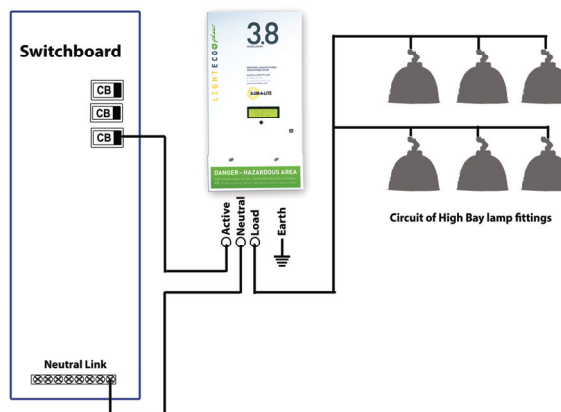
Only qualified Electrical Contractors are permitted to connect **Light Eco® Plus HID-XLR** to lighting circuits. Before connecting, all lighting circuits must be measured for current (Amp) load with all lights operating normally.

Maximum load permitted for **Light Eco® Plus HID-XLR** is **16 (sixteen) Amps.**

Typical Connection for well loaded Lighting Circuits



Typical Connection for lightly loaded Lighting Circuits where some circuits can be combined



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