

LED Retro Refit

Product Features

- Five year return to base warranty
- Lower energy costs through reduced energy consumption
- Optimum signal perception through high quality luminance
- Central Light or Array LED options available
- Highest anti - phantom performance
- Advanced LED driver board which controls the LED's, offering optimum performance and long life
- Reduced maintenance costs
- Specifically designed lenses offer high levels of protection against possible damage from traffic flow and vandalism
- Optional integrated or discrete Load Compensation Units available
- Compatible with most controllers and signal heads

The **LED Retro Refit** entirely replaces the component lenses, reflector, lamp holder, wiring and transformer. Replacing the optical component of the existing conventional traffic signals with a single unit, the refit is quick and uncomplicated.

By using the latest in LED technologies, the LED Retro Refit has a minimal energy consumption which reduces costs and maintenance. All our LED options are HA and BSI tested, backed by a 5 year warranty.

LED options include, Central Light Source, Array, Central Light Source with integrated load compensation unit to suit most legacy controllers, option of discrete LCU if desired LED module doesn't have integrated LCU. The LCUs are Compatible with Motus Traffic, Peek, Siemens and Telent/Microsense controllers



Due to continuous efforts to develop products that are responsive to customer needs, the above specifications are subject to change

Head Office

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Technical specification

DIMENSIONS

33.0 cm x 36.0 cm x 11.5 cm (L x W x H)

WEIGHT

1.82 Kg (Based on a Helios Retro Refit)

LENS OPTIONS

Red, Amber, Green, Red/Green Man,, Green Left/Ahead/Right Arrow

Red/Amber/Green Bicycle, Red/Green Equestrian

POWER CONSUMPTION (TYPICAL)

Red 10W, Amber 10W, Green 10W

REGULATORY

Phantom Light 16:1 (Class 5) acc. to EN12368 Optical Data acc. to EN12368

EMC and electrical requirements acc. to EN12368 Temperature range acc. to EN12368 A, B, C

Lens impact resistance acc. to EN 60598—1

ENVIRONMENTAL

Temperature range -40°C to +60°C Relative humidity < 95%

ADVANCED RED LAMP MONITORING

Compatible with Motus Traffic, Peek, Siemens and Telent/Microsense controllers

ASPECT TYPE

LED 230V, Array or central light source, high lux

SUPPLY

Operating voltage 160V to 230V (typical)

COMPATIBLE SIGNAL HOUSINGS

GEC, Microsense, Motus Traffic, Page, Plessey, Peek and Siemens

TESTING (FuturLED 3 aspects)

Highways Agency Yate Labs (2002)

BSI (2003, 2006, 2008)

WARRANTY

Optical performance is backed by a 5 year warranty

BSI (2003, 2006, 2008)



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