



# baseboxes

## LED Light Tray

The new generation of LED's have now been incorporated within a sealed light tray, offering low wattage high light output to conform to the **BS EN: 12899**.



**Haldo Developments Ltd is committed to designing products which have a design life warranty and can help reduce your carbon footprint.**

### key features & benefits

- The LED light tray consumes **17 watts** of power. This reduces the energy used by **50%** in comparison to conventional fluorescent light tray installation.
- Light tray and driver come complete with a **6 year warranty**.
- Retro-fit solutions available for most manufacturers.
- Creates a more even spread of illumination across the bollard.
- **Low Voltage LED** versions available for installation on centre island applications. Please see separate low voltage system information sheet.
- The light tray is designed to illuminate any 270 or 600 type bollards within any basebox and will also illuminate the Halo 270 bollard.
- Highly durable to many factors such as heat, shock and vibration.
- The LED's operate in **Pure White** - Colour Rendering Index - Ra70.
- The driver current rating - 0.25 A @ 100 volts - 0.15 A @ 265 volts
- Lumen depreciation to 75% after 75,000 working hours.
- 230 volts direct driverless versions are available.

### resistance to flooding

The light tray has been designed with flooding in mind, the light tray itself is sealed to **IP68** which is then housed in the existing **IP67** sealed basebox.

### reduce your carbon footprint



Product Description	Product Code	Charge Code (UMSUG Number)	Circuit Watts
LED Basebox (complete with driver)	C2BL219LED	40 0017 0000 100	17
LED Basebox (complete with driver and infra red PEC)	C2BL219LEDS	40 0017 0000 100	17
LED Projectalite (standard basebox with angled LED light tray)	C2BL219LED-PJL	40 0017 0000 100	17
LED Basebox (without driver)	C2BL219LEDLD	40 0035 0000 100	35
LED Basebox (without driver but with infra red PEC)	C2BL219LEDLDS	40 0035 0000 100	35

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## LED Light Tray

LUMENS	100 Lumens per LED
TOTAL WATTAGE	Approx 17 watts
LIFE EXPECTANCY	min 75,000 working hours
INPUT VOLTAGE	220V / 240V
QUANTITY OF LEDS	12
COLOUR	Pure White (CRI - Ra70)

LED	<b>VS</b>	Fluorescent
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50% Less Power Consumed

17 Watts

35 Watts (2 x 11 Watt)

Dramatically Reduced Maintenance Costs - FIT & FORGET

service once every 11 years


service two times a year

Reliability

75,000 working hours - expected

11,000 working hours - expected

### recycle

Haldo is committed to recycle the light tray at the end of it's life. 

### benefits of using LED's

- LED's fire up immediately when energised, even in cold weather- No flicker.
- Maintenance is where the real savings are made. The LED manufacturer states a minimum life cycle of 75,000 working hours.
- Can be switched ON & OFF without affecting reliability or wasting energy.
- LED's run cool so there is very little loss of energy through heat dissipation.
- Fitting LED's will improve safety for contractors working on the highway by drastically reducing the amount of time spent on maintenance.
- LED's lower the environmental impact on disposal which contain none of the harmful chemicals associated with fluorescent lamps.



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