

LiteHouse



The ASD LiteHouse bollard provides a stylish, robust and efficient unit for illuminating pedestrian areas, pathways & car parks defining routes and edges within designated areas. Provided as either surface or root mounted, this unique stylish range has been designed to provide superior light output with minimal up-light.



The LiteHouse range offers a comprehensive range of operating options and lamp variants and is provided with either high impact PVC or extruded aluminium column and vandal resistant, shatterproof polycarbonate head and lens.

The LiteHouse has an additional optional halo feature, allowing designers to highlight areas such as car parking bays or define exit/transit routes for traffic or pedestrians.



• Diffuser 1: Opal polycarbonate (shown with optional Halo).



• Diffuser 2: Polycarbonate fresnel lens with Optical Louvre (shown with optional Halo).

Applications

- Car Parks.
- Pavements and pedestrian areas.
- Exit routes.
- Retail precincts.
- Gardens & driveways.
- Coloured halo options allows definition of designated key areas or exit routes.

Features

- Maximises downward light.
- Minimises upward light.
- Bollard column available in high impact PVC or extruded aluminium.
- Range of lamp and control gear options.
- Energy saving options include lamp.
- Diffuser available in Opal and Fresnel Prismatic.
- Root mounted and surface mounted versions.
- Adjustable Ground Trim / Kick Plate (optional extra). Order code: LHT/B.
- Root Mount First Fix Kit order code: LHF/1.

Options

- High Frequency.
- High Frequency Emergency.
- Coloured Halo.
- Photocell version.
- LED version.
- Tamper proof screws.

The unit now offers IP54 rating, resulting from recent modifications to help reduce condensation build up.

The 'LiteHouse' bollard from ASD Lighting is designed to provide photometrically superior light output, achieving maximum downward light with minimal up-light, in a unique distinctive design.



LiteHouse



Louvre unit connected to head cap for ease of lamp replacement.

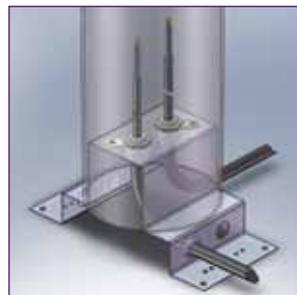
180° shield option.

Wide range of lamp and gear options.

Fast-change gear tray.



Polycarbonate foot mounts onto steel plate.



First fix cable management bracket for root mount option.

New LED Options

The Litehouse bollard is now available utilising the latest LED (light emitting diode) technology. The high powered LED's provide excellent illumination (9 x LED = 1440 lumens v's 18w CFL = 1200 lumens). With long life, reduced maintenance requirements and energy efficient operation LED technology provides the latest solutions to lighting scheme and environmental demands.

- Unlimited switching.
- Instant light.
- Fit and forget for life of product.
- Energy efficient.
- No UV.
- No Hg.

Long Life

LED's long life means that lamp changing and lamp failures are a thing of the past. LED lighting life is up to 50,000 hours, typically in the UK this equates to over 16 years.

Energy Efficient Operation

ASD's advanced LED luminaire design provides continuous energy efficient illumination.

Environmental

Not only do LED's offer energy efficient running, lamp disposal directives are reduced due to long life and the elimination of the use of resources during maintenance making LED's the perfect choice.

Reliability

LED's offer superb reliability over other lamp options.

Maintenance Free Operation

Routine maintenance is not required - reducing costs.

LED = 50,000  Hours

50,000 hours 3,000 hours per year (average usage) 16.5 years life.

Compact fluorescent lamps achieve 10,000 hours equating 5 lamp changes (minimum) compared with LED's.

- Concealed Anit-tamper fixings.
- Fresnel optic refracting diffuser-turned to maximise downward light.
- Aluminium louvres to eliminate glare and control light.
- Coloured highlight option.



High impact PVC or powder coated aluminium column.

Polycarbonate foot trim can be used for surface mount or root mount options.

| | | |
|------|---|-----|
| LOR | = | 43% |
| ULOR | = | 10% |
| DLOR | = | 33% |

Results based on clear fresnel.

LiteHouse

LiteHouse Surface Mounted



Lamp Types

- 26W 4000K TC-D 4-Pin G24q-3 Cap.
- 32W / 42W. 4000K TC-T 4Pin.
- 70W SON-T E27.
- 100W SON-E E27.
- 70W HIT E27 Metal halide G8.5UBI T.
- 100W HIT E27 Metal halide G8.5UBI T.
- 150W (max) B22 (GLS lamps not included) E27 version available.
- 9 x LED white = 1440 lumens.

Materials

- Head: Vandal resistant UV stabilised polycarbonate in black.
- Diffuser 1: Vandal resistant UV stabilised polycarbonate fresnel lens + Optical Louvre with top reflector.
- Diffuser 2: Vandal resistant UV stabilised opal polycarbonate.
- Body 1: Extruded aluminium column finished with a UV stabilised polyester powder coated in black.
- Body 2: High impact PVC column in black.
- Ground Trim / Kick Plate: Extruded aluminium (optional extra).

Installation

- Surface Mounted.
- IP65 Seal.
- No Visible Fixings.
- Easy lamp maintenance.
- 3 way mains terminal block. 4 way terminal block for photocell versions.

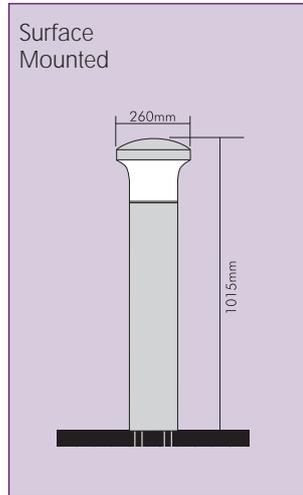
Standards

- IP54.
- 'F' Mark.
- CE.
- BS EN 60598-2-1 & BS EN 60598-2-22.
- Class I.



Options

- Switch start.
- High Frequency.
- High Frequency Emergency.
- LED version.
- Coloured Halo.
- Photocell version.
- Tamper proof screws.
- Ground Trim / Kick Plate: Extruded Aluminium (optional extra) Order code: LHT/B.



PVC Surface Mounted

| Description | 150W | 26W | 26W HF | 42W HF | 42W HF EM3 |
|----------------|-------------|-------------|--------------|--------------|---------------|
| Opal | LHS/B1PL150 | LHS/B1PL126 | LHS/B1PL126E | LHS/B1PL142E | LHS/B1PL142EM |
| Fresnel | LHS/B1PF150 | LHS/B1PF126 | LHS/B1PF126E | LHS/B1PF142E | LHS/B1PF142EM |
| Description | 70W SON T | 100W SON E | 70W MBI | 100W MBI | LED9 |
| Opal | LHS/B1PLT07 | LHS/B1PLT10 | LHS/B1PLM07 | LHS/B1PLM10 | LHS/B1PLED9W |
| Fresnel | LHS/B1PFT07 | LHS/B1PFT10 | LHS/B1PFM07 | LHS/B1PFM10 | LHS/B1PFLED9W |

PVC Surface Mounted with Blue Halo

| Description | 150W | 26W | 26W HF | 42W HF | 42W HF EM3 |
|----------------|--------------|--------------|---------------|---------------|----------------|
| Opal | LHS/B1PLU150 | LHS/B1PLU126 | LHS/B1PLU126E | LHS/B1PLU142E | LHS/B1PLU142EM |
| Fresnel | LHS/B1PFU150 | LHS/B1PFU126 | LHS/B1PFU126E | LHS/B1PFU142E | LHS/B1PFU142EM |
| Description | 70W SON T | 100W SON E | 70W MBI | 100W MBI | LED9 |
| Opal | LHS/B1PLUT07 | LHS/B1PLUT10 | LHS/B1PLUM07 | LHS/B1PLUM10 | LHS/B1PLULED9W |
| Fresnel | LHS/B1PFUT07 | LHS/B1PFUT10 | LHS/B1PFUM07 | LHS/B1PFUM10 | LHS/B1PFULED9W |

Aluminium Surface Mounted

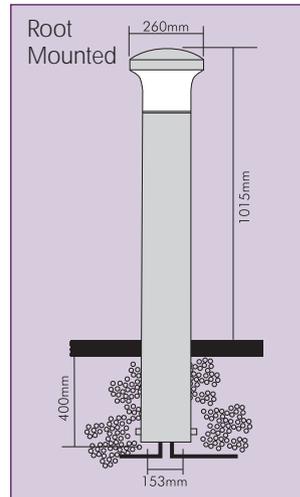
| Description | 150W | 26W | 26W HF | 42W HF | 42W HF EM3 |
|----------------|-------------|-------------|--------------|--------------|---------------|
| Opal | LHS/B1AL150 | LHS/B1AL126 | LHS/B1AL126E | LHS/B1AL142E | LHS/B1AL142EM |
| Fresnel | LHS/B1AF150 | LHS/B1AF126 | LHS/B1AF126E | LHS/B1AF142E | LHS/B1AF142EM |
| Description | 70W SON T | 100W SON E | 70W MBI | 100W MBI | LED9 |
| Opal | LHS/B1ALT07 | LHS/B1ALT10 | LHS/B1ALM07 | LHS/B1ALM10 | LHS/B1ALLED9W |
| Fresnel | LHS/B1AFT07 | LHS/B1AFT10 | LHS/B1AFM07 | LHS/B1AFM10 | LHS/B1AFLED9W |

Aluminium Surface Mounted with Blue Halo

| Description | 150W | 26W | 26W HF | 42W HF | 42W HF EM3 |
|----------------|--------------|--------------|---------------|---------------|----------------|
| Opal | LHS/B1ALU150 | LHS/B1ALU126 | LHS/B1ALU126E | LHS/B1ALU142E | LHS/B1ALU142EM |
| Fresnel | LHS/B1AFU150 | LHS/B1AFU126 | LHS/B1AFU126E | LHS/B1AFU142E | LHS/B1AFU142EM |
| Description | 70W SON T | 100W SON E | 70W MBI | 100W MBI | LED9 |
| Opal | LHS/B1ALUT07 | LHS/B1ALUT10 | LHS/B1ALUM07 | LHS/B1ALUM10 | LHS/B1ALULED9W |
| Fresnel | LHS/B1AFUT07 | LHS/B1AFUT10 | LHS/B1AFUM07 | LHS/B1AFUM10 | LHS/B1AFULED9W |

Other coloured back lighting effects also available: Red, Amber or Green.

LiteHouse Root Mounted



Lamp Types

- 26W 4000K TC-D 4-Pin G24q-3 Cap.
- 32W / 42W. 4000K TC-T 4Pin.
- 70W SON-T E27.
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- 70W HIT E27 Metal halide G8.5UBI T.
- 100W HIT E27 Metal halide G8.5UBI T.
- 150W (max) B22 (GLS lamps not included) E27 version available.
- 9 x LED white = 1440 lumens.

Materials

- Head: Vandal resistant UV stabilised polycarbonate in black.
- Diffuser 1: Vandal resistant UV stabilised polycarbonate fresnel lens + Optical Louvre with top reflector.
- Diffuser 2: Vandal resistant UV stabilised opal polycarbonate.
- Body 1: Extruded aluminium (1200mm) column finished with a UV stabilised polyester powder coated in black.
- Body 2: High impact PVC (1200mm) column in black.
- Ground Trim / Kick Plate: Extruded aluminium (optional extra).

Installation

- Root Mount.
- IP65 Seal.
- No Visible Fixings.
- Easy lamp maintenance.
- 3 way mains terminal block. 4 way terminal block for photocell versions.

Standards

- IP54.
- 'F' Mark.
- CE.
- BS EN 60598-2-1 & BS EN 60598-2-22.
- Class I.



Options

- Switch start.
- High Frequency.
- High Frequency Emergency.
- Coloured Halo.
- LED version
- Photocell version.
- Tamper proof screws.
- Ground Trim / Kick Plate: Extruded Aluminium (optional extra) Order code: LHT/B.

PVC Root Mounted

| Description | 150W | 26W | 26W HF | 42W HF | 42W HF EM3 |
|----------------|-------------|-------------|--------------|--------------|---------------|
| Opal | LHR/B1PL150 | LHR/B1PL126 | LHR/B1PL126E | LHR/B1PL142E | LHR/B1PL142EM |
| Fresnel | LHR/B1PF150 | LHR/B1PF126 | LHR/B1PF126E | LHR/B1PF142E | LHR/B1PF142EM |
| Description | 70W SON T | 100W SON E | 70W MBI | 100W MBI | LED9 |
| Opal | LHR/B1PLT07 | LHR/B1PLT10 | LHR/B1PLM07 | LHR/B1PLM10 | LHR/B1PLLED9W |
| Fresnel | LHR/B1PFT07 | LHR/B1PFT10 | LHR/B1PFM07 | LHR/B1PFM10 | LHR/B1PFLED9W |

PVC Root Mounted with Blue Halo

| Description | 150W | 26W | 26W HF | 42W HF | 42W HF EM3 |
|----------------|--------------|--------------|---------------|---------------|----------------|
| Opal | LHR/B1PLU150 | LHR/B1PLU126 | LHR/B1PLU126E | LHR/B1PLU142E | LHR/B1PLU142EM |
| Fresnel | LHR/B1PFU150 | LHR/B1PFU126 | LHR/B1PFU126E | LHR/B1PFU142E | LHR/B1PFU142EM |
| Description | 70W SON T | 100W SON E | 70W MBI | 100W MBI | LED9 |
| Opal | LHR/B1PLUT07 | LHR/B1PLUT10 | LHR/B1PLUM07 | LHR/B1PLUM10 | LHR/B1PLUED9W |
| Fresnel | LHR/B1PFUT07 | LHR/B1PFUT10 | LHR/B1PFUM07 | LHR/B1PFUM10 | LHR/B1PFUED9W |

Aluminium Root Mounted

| Description | 150W | 26W | 26W HF | 42W HF | 42W HF EM3 |
|----------------|-------------|-------------|--------------|--------------|---------------|
| Opal | LHR/B1AL150 | LHR/B1AL126 | LHR/B1AL126E | LHR/B1AL142E | LHR/B1AL142EM |
| Fresnel | LHR/B1AF150 | LHR/B1AF126 | LHR/B1AF126E | LHR/B1AF142E | LHR/B1AF142EM |
| Description | 70W SON T | 100W SON E | 70W MBI | 100W MBI | LED9 |
| Opal | LHR/B1ALT07 | LHR/B1ALT10 | LHR/B1ALM07 | LHR/B1ALM10 | LHR/B1ALLED9W |
| Fresnel | LHR/B1AFT07 | LHR/B1AFT10 | LHR/B1AFM07 | LHR/B1AFM10 | LHR/B1AFLED9W |

Aluminium Root Mounted with Blue Halo

| Description | 150W | 26W | 26W HF | 42W HF | 42W HF EM3 |
|----------------|--------------|--------------|---------------|---------------|----------------|
| Opal | LHR/B1ALU150 | LHR/B1ALU126 | LHR/B1ALU126E | LHR/B1ALU142E | LHR/B1ALU142EM |
| Fresnel | LHR/B1AFU150 | LHR/B1AFU126 | LHR/B1AFU126E | LHR/B1AFU142E | LHR/B1AFU142EM |
| Description | 70W SON T | 100W SON E | 70W MBI | 100W MBI | LED9 |
| Opal | LHR/B1ALUT07 | LHR/B1ALUT10 | LHR/B1ALUM07 | LHR/B1ALUM10 | LHR/B1ALULED9W |
| Fresnel | LHR/B1AFUT07 | LHR/B1AFUT10 | LHR/B1AFUM07 | LHR/B1AFUM10 | LHR/B1AFULED9W |

Other coloured back lighting effects also available: Red, Amber or Green.