



## Product Features

The Arc Luminaire is a decorative pendant, which recreates the traditional look of the carbon arc lantern of the past. Manufactured from a combination of aluminium spinnings and link tubes the fitting is suitable for both traditional and contemporary applications. The luminaire has an IP rating of IP65. The Arc is fitted with a Facet 7 optic and has clear polycarbonate glazing. The 500mm, and 600mm, glazing options offer two sizes of luminaires that are ideally scaled for 8m and 10m column applications, suitable for decorative and amenity lighting.

### Features

The Arc luminaire has an 1 1/4" BSP threaded coupling and is ideal for mounting from decorative brackets. The gear is housed in the tubular section of the luminaire body, and is accessed through a door in the upper section of the luminaire body. The lamp and optic are in the lower glazed section of the luminaire, thus when the glazing finial is removed the optic and lamp are available for relamping; the Facet 7 optic supplied is mounted on a removable tray. The lantern is supplied as standard, as a pendant luminaire, in two sizes and will cover a variety of mounting heights and lamp wattages; as the gear is housed away from the lamp electronic discharge gear can be accommodated as the temperature in the gear section of the luminaire is below the required temperatures of electronic gear packages.

### Control Gear

All gear is class I wired and a full range of discharge gear can be incorporated within the gear section for easy removal and maintenance. Electronic discharge gear can also be accommodated in the upper section. Photocells are fitted into the body of the luminaire; both single and two-piece electronic cells are available as standard. The Arc fittings are designed to be pendant luminaires with a threaded 1 1/4" BSP coupling to ease installation.

## Options

### Mounting Options

The Arc fittings are designed to be pendant luminaires with a threaded coupling to ease installation. The luminaires encompass mounting heights from 8m to 10m and can also be fitted to decorative wall brackets if required.

### Variations

#### Photocells

Single and two part electronic photocells are available as standard and should be factory fitted to maintain the ingress rating of the fitting.

#### Finish variations

The luminaire is supplied in Black Ral 9005. Other colours are available but may be subject to quantity, and prices may differ.

#### Luminaire construction

Aluminium spinnings and link tubes with recesses for sealing gaskets for the glazing. The luminaire is secured to the column by means of a threaded coupling to ensure adjustment and security to the column bracket. Single and two part electronic photocells are available as standard and should be factory fitted to maintain the ingress rating of the fitting.

## Materials

#### Luminaire

Aluminium spinnings, and steel threaded coupling. The gear and optic trays can be removed if required for maintenance.

#### Glazing

This unit is fitted with clear polycarbonate glazing either 500mm or 600mm diameter which is secured into the luminaire by compression, from the decorative finial, to ensure the ingress protection is maintained. The glazing is released by unscrewing the finial and removing the bowl for lamp access.



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## Typical Specification

Arc **500mm** IP65 pendant luminaire: fitted with a separate gear housing from the lamp compartment, all manufactured from aluminium with a threaded 1 1/4" BSP coupling for securing to the bracket. The luminaire is finished in **Black RAL 9005**. The luminaire measures **500mm** in diameter and **1280mm** in height. The fitting is supplied with gaskets and glands to ensure that the ingress rating is maintained and the luminaire is fitted with the **Facet 7** optic complete with a **150w HQI T** gear package housed in the upper section of the luminaire with an **E27** lampholder positioned for a horizontal tubular clear lamp. Lamp not supplied. A **one-piece** electronic photocell is fitted in to the top of the luminaire spinning and is factory sealed to ensure the ingress protection of the fitting is not compromised. The luminaire is constructed from aluminium with all fixtures and fittings being stainless steel.

Please note that items highlighted in **bold** should be changed using the options available.

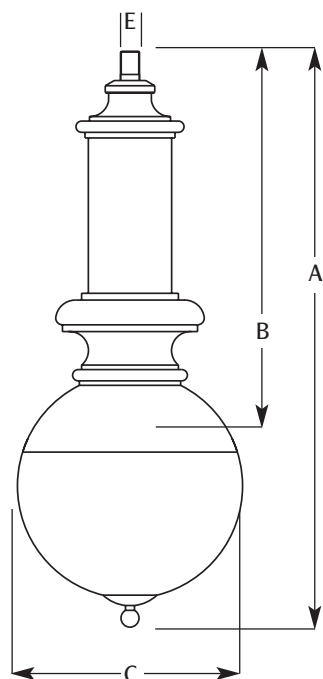
## Applications

The Arc luminaire was used within the grounds as a decorative feature to this Art Deco building; two sets of twin arm column mounted units were used at the east and west entrances to this historic building. The luminaires were mounted onto a twin decorative bracket and a cast column achieving a 7.5m mounting height for the lamp centre. The objective for the lighting design was to improve the lighting uniformity and remove any glare from the security cameras that surround this building. The Arc luminaires were added as features and the other luminaires were Medium Classic Globes mounted at 4.5m heights with the small twin beam optic which supplement the distributions from the arc lanterns providing a uniform area of light.

The design and performance of these fittings has improved the appearance of the exterior of the building in daylight with their aesthetic appearance and after dark by providing a uniform lit environment that pleases the visual experience with minimum glare and sky glow from the performance optics.



## Options



| WATTAGES & LAMP TYPES | 35W      | 42W | 50W | 70W | 80W     | 100W | 125W | 150W | 250W |
|-----------------------|----------|-----|-----|-----|---------|------|------|------|------|
| <b>HPS</b>            |          |     | ✓✓  | ✓✓  |         | ✓✓   |      | ✓✓   | ✓✓   |
| <b>HQI</b>            |          |     | ✓✓  | ✓✓  |         | ✓✓   |      | ✓✓   | ✓✓   |
| <b>CDM</b>            | ✓✓       |     |     | ✓✓  |         | ✓✓   |      | ✓✓   | ✓✓   |
| <b>MBF</b>            |          |     | ✓✓  |     | ✓✓      |      | ✓✓   |      |      |
| <b>CFL</b>            |          | ✓✓  |     |     |         |      |      |      |      |
| <b>KEY</b>            | ✓ Medium |     |     |     | ✓ Large |      |      |      |      |

| OPTICS                      | MEDIUM | LARGE |
|-----------------------------|--------|-------|
| <b>Facet Twin Beam</b>      | ✓      | ✓     |
| <b>Refractor</b>            | X      | X     |
| <b>E27 Lamp Holder Only</b> | ✓      | ✓     |
| <b>E40 Lamp Holder Only</b> | ✓      | ✓     |

| DIMENSIONS              | MEDIUM             | LARGE              | BOXED              |
|-------------------------|--------------------|--------------------|--------------------|
| <b>A Lantern Height</b> | 1280mm             | 1380mm             | 1370mm             |
| <b>B Lamp Height</b>    | 800mm              | 800mm              | 780mm              |
| <b>C Diameter/Width</b> | 500mm              | 600mm              | 780mm              |
| <b>E Standard Entry</b> | 1 1/4" BSP         | 1 1/4" BSP         |                    |
| <b>Windage Area</b>     | 0.33m <sup>2</sup> | 0.42m <sup>2</sup> | 0.83m <sup>3</sup> |
| <b>Weight</b>           | 25kg               | 27kg               | 37kg               |

| GLAZING OPTIONS        | MEDIUM | LARGE |
|------------------------|--------|-------|
| <b>Acrylic</b>         | ✓      | ✓     |
| <b>Polycarbonate</b>   | ✓      | ✓     |
| <b>Opal Acrylic</b>    | ✓      | ✓     |
| <b>Glass Panels</b>    | X      | X     |
| <b>Flat Glass Only</b> | X      | X     |