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Graham Bidwell
 Ash Parish Council
 The Ash Centre
 Ash Hill Road
 Ash
 Surrey GU12 5DP

ESTIMATE QT/KT/966
10 April 2019

Quantity	Details	Unit Price (£)	VAT	Net Subtotal (£)
Product	Install Complete LED Bollard - Supply And Install Bollard LED Lantern, Lamp Control Devise, and Double Pole Isolator, Includes Service Transfer On Private Network,	526.44	20%	526.44
Product	Option to Private supply Column By Trench from SSL230 Ash Hill road and Trench 19 meters to new LP with ASH Supplying Small Digger to Complete Trench Work and connect LP This will be faster than using SSE to connect LP Please remove Above Item if this option is used	695.56	20%	695.56
			Net Total	1,222.00
			VAT	244.40
			GBP Total	£1,466.40

Other Information

Company Registration Number: 8959939

Horseshoe Lane - Additional LP Quote North End of Entrance to Horseshoe Lane

Warnings

Please read these instructions carefully before commencing any work.

- This is a Class I product and must be earthed.
- This unit must be fitted by a competent and qualified electrician.
- Install in accordance with IEE wiring regulations and current Building Regulations.
- To prevent electrocution switch off at mains supply before installing or maintaining this fitting. Ensure other persons cannot restore the electrical supply without your knowledge.
- This light fitting should be connected to a circuit with a 30mA RCD fitted.
- If replacing an existing fitting, make a careful note of the connections.
- When changing a bulb, always switch off at the mains and allow the bulb to cool down before handling.
- Always use the correct type and wattage bulb. Never exceed the wattage stated.
- Waste electrical products should not be disposed of with household waste. Please recycle where facilities exist. (Check with your local authority).
- The unit may get warm whilst on for a period of time.

**7 Year
Guarantee**

BOLLARD GUARANTEE

The Pro-Bollard Lighting Range has been made to the highest of standards. In the unlikely event of a fault developing within 7 years from the purchase date, please contact Exterior Lights UK Ltd to obtain a returns reference. You will then be advised of the returns process / requirements. Components will be supplied to repair the bollard or a full unit will be sent as a replacement.

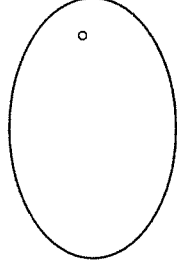
**2 Year
Guarantee**

BULB GUARANTEE

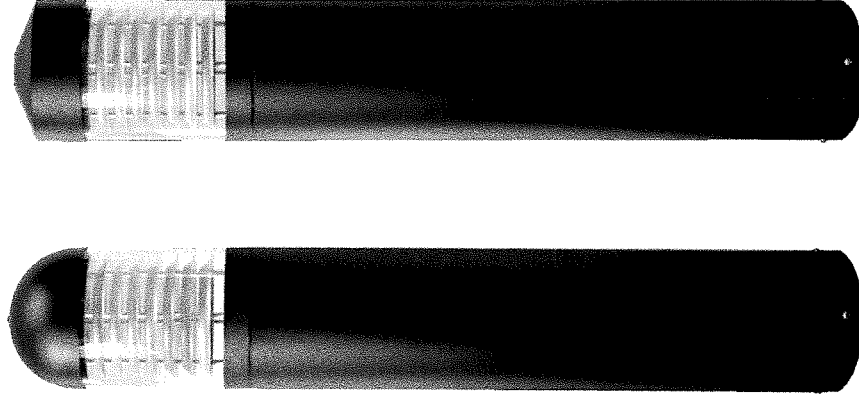
In the unlikely event of a fault developing with the 20w LED Bulb within 2 years from the purchase date, please contact Exterior Lights UK Ltd with proof of purchase to obtain a returns reference. Exterior Lights UK Ltd will replace all faulty bulbs.

Guarantees exclude accidental or malicious damage.

In the case of accidental damage spare parts may be available.



Pro Bollard Lighting



Commercial LED Bollard Light

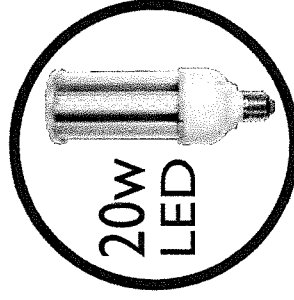
Domed / Pillar

0.6m, 0.8m, 1.0m approx.

Graphite Black / Garden Green

20w LED Corn Bulb

Warm / Daylight White



BULB SPECIFICATIONS ON PAGE 3

INPUT: 220-240v - 50Hz

BULB HOLDER: ES / E27

MAX WATTAGE: 70w

MATERIALS: ALUMINIUM & POLYCARBONATE



PROTECTION: Class I

Thank you for your purchase.

Please read these instructions carefully before use to ensure safe and satisfactory operation of this product and retain for future reference

www.exteriorlightsuk.co.uk

ITEM 13

Safety Information

For your safety, always switch off the supply before changing light bulbs or cleaning the unit.

- The bollard head must be replaced immediately should the polycarbonate lens become cracked or damaged.
- This fitting must not be used without the polycarbonate lens fully intact.

Installation (Surface Mount)

Please refer to separate instructions if a professional root mount system model has been purchased or J-Bolts are being used to mount into wet concrete.

This bollard should be securely fixed to a concrete base, paving slab, or quality wooden decking. It should not be installed directly into soil. For fixing to a new concrete base, root fixing bolts will be required (available for sale at Lumena Lights Ltd). For fixing into existing paving slabs, concrete, or decking, heavy duty fixing screws and bolts will be required. Ensure the fixing screws / bolts are stainless steel or zinc plated to avoid corrosion.

- Remove 4 x screws at the foot of the bollard with the 3mm Allen Key provided and lift the bollard body from the base
- Position bollard base in the desired location, ensuring the supply cable is central to the base and sufficient cable is available to easily connect to the bollard connection box. DO NOT USE IF CABLES ARE DAMAGED.
- Secure the base in place with 4 x heavy duty fixing screws / anchor bolts (available from Lumena) as appropriate
- Replace bollard body

Wiring

Please Note: For models with a Photocell the fourth connection on the connection block will already be wired to the Photocell and one connector will contain two neutral wires. This should not be changed.
Please test once wired by covering the photocell to turn on.

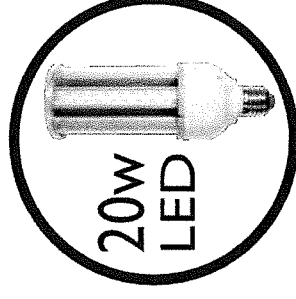
For standard models, pull the supply wire up through the bollard and connect to the connection block as follows:

- Unscrew the 2 socket screws to remove the bollard head
- Remove the three screws securing the bulb holder in place
- Remove bulb holder and turn over to reveal the black connection box
- Unscrew the 4 screws on the connection box and remove back to open and remove connection block
- Push the cable through the grommet and complete wiring as follows:
 - Connect Live input wire to the correct point of the connection block (marked 'L')
 - Connect Neutral input wire to the correct point of the connection block (marked 'N')
 - Connect Earth input wire to the correct point of the connection block (marked ⚡)
- Check that you have correctly identified the supply wires, the connections are tight, that no loose strands have been left out of the connection block and all cables are fully intact
- Place terminal block back into the black connection box, replace back and screw in place
- Replace all removed components correctly (as per above) ensuring all screws are tight and secure

NOTE: Some models may include a small length of cable which can be used if desired.

Optional 20w LED Bulb Specifications

Voltage:	220-240V
Lamp Type:	LED (Epistar 2835)
Number of LEDs:	135
Wattage:	20W
Colour Temperature:	6500K (Daylight White) / 3000K (Warm White)
Lumen Output:	2100 lumens (Daylight) / 1600 lumens (Warm)
Cap Type:	ES / E27
Average Life:	30,000 hours



Fitting / Replacing Bulbs

When changing a bulb, always switch off at the mains and allow the bulb to cool before handling. Use a soft cloth to handle your light bulb and avoid directly touching the bulb as this may shorten its life. Always handle at the base of the bulb as this will also prevent breakages. Do not exceed the wattage indicated on the fitting. Dispose of used bulbs carefully and responsibly (see below for more details).

- Remove the 2 x screws from bollard head using the Allen Key provided.
- Remove head from bollard
- Remove / insert screw base lamp
- Replace head and 2 x screws - ensure screws are secure

Recycling and Disposal Advice

Waste electrical products should not be disposed of with household waste. Please recycle where facilities exist. Check with your local authority or retailer for recycling advice and waste disposal sites or contact the WeeCare helpline on: 0844 8002004 quoting our Producer Registration Number: WEEE/KC3440XY

Care and Cleaning

- Clean with a soft, dry cloth
- Do not use solvents or abrasive cleaners as these could damage the finish of the bollard
- Do not clean the unit with a high pressure jet washer

Mounting Solutions, Spare Parts, Accessories & Dusk to Dawn options available for all Lumena LEDIFICE Pro-Bollard Lights

A downloadable PDF of Photometric data compiled by 'Photometric Testing UK'

is available on www.lumenalights.com

