

## LIGHTING ASSESSMENT SHEET

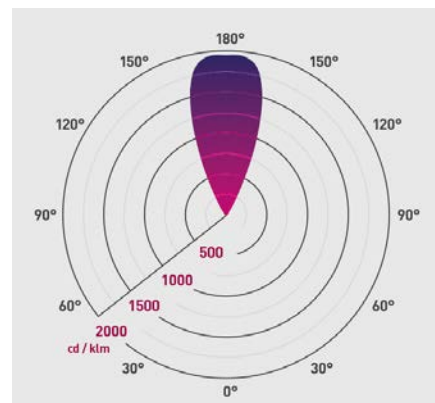
TS No:	102	Revision:	A
Company:	Bedford Estate Bloomsbury Limited		
Date:	10/09/2018	Project No:	TBC
To:	Matthew Nixon	Project:	Bedford Square Gardens
of:	Bedford Estate Bloomsbury Limited	Address:	WC1B 3HH
Copy to:	Lee Ditch	From:	Paul Ditch
		of:	Navitas Electrical Limited

**Title:** **230V IP65 3W LED Stainless Recessed Ground Light 6000K**

230V IP65 LED recessed ground light. Stainless steel bezel and aluminium body. IP65 - ideal for driveways and decking, safe for indoor and outdoor use. An integral driver, 6000K Cool white. SMD LED 290lm, non-dimmable. Supplied with 2mtr outdoor flex. Made of high quality 304 Stainless steel.



Material: Stainless Steel  
 Voltage: 230V  
 IP Rating: IP65  
 Lamp Wattage: 3Watt  
 No. LEDs: 9  
 Lumen Output: 290Lm  
 Lm/W (Efficiency): 82Lm/W  
 Lamp Colour: 6000K  
 Beam Angle: 35degrees  
 Dimensions: Diameter 92mm  
 Cutout 61mm  
 Height 97mm



## LIGHTING ASSESSMENT SHEET

TS No:	103	Revision:	A
Company:	Bedford Estate Bloomsbury Limited		
Date:	10/09/2018	Project No:	TBC
To:	Matthew Nixon	Project:	Bedford Square Gardens
of:	Bedford Estate Bloomsbury Limited	Address:	WC1B 3HH
Copy to:	Lee Ditch	From:	Paul Ditch
		of:	Navitas Electrical Limited

**Title:** **Victorian Garden Lamp Post 3.25M**

A faithful reproduction of the traditional Victorian gas lamps from the late 1800's, this 3.25m lamp post is complete with all of the original design features from the lantern spinning to cast iron ladder bars.

This specialist lamp post has been pre-fitted with a powerful LED lighting panel which is available in three different brightness outputs. The LED allows the lantern top to emit a brighter and cleaner light, making it perfect for a modern, yet classical security fitting. The solid iron base features 4 pre-cast anchoring points to allow for a quick and easy fitting to a concrete or stone foundation.



**Dimensions (approximate):**

Height: 3.25m (10ft 8")

Diameter: 90mm

Post base: 260mm square

Weight: 58kgs

On the left-hand side of the table (highlighted in yellow), you will see the lux level. Lux is simply just a unit of illuminance or luminous emittance, it is equal to one lumen per square metre. An approximate lux of between 20 - 50 is equal to that of a lit up public area on a dark night.

The figures in the centre of the table you will find our recommendations on the actual spacing between each lamp post to achieve each level of Lux. This is split up between the 3 different strength of LED board.

Lux*	Mounting Height 3.25m		
	2000 Lumen Board	2700 Lumen Board	4700 Lumen Board
5	x	x	x
10	x	x	x
15	x	x	x
20	9m	x	x
25	7m	10.5m	x
35	5m	9m	12m
50	3m	4.5m	7.5



# LIGHTING ASSESSMENT SHEET

<b>Company:</b>	Bedford Estate Bloomsbury Limited		
<b>Date:</b>	10/09/2018	<b>Project No:</b>	TBC
<b>To:</b>	Matthew Nixon	<b>Project:</b>	Bedford Square Gardens
<b>of:</b>	Bedford Estate Bloomsbury Limited	<b>Address:</b>	WC1B 3HH
<b>Copy to:</b>	Lee Ditch	<b>From:</b>	Paul Ditch
		<b>of:</b>	Navitas Electrical Limited

<b>Title:</b>	<b>Victorian Garden Lamp Post 3.25M</b>
<p><b>LIGHTING ASSESSMENT SUMMARY –</b></p> <ol style="list-style-type: none"> <li>1. <b>Lighting Spillage</b> The light output from each lamp post would not impact on any neighbours due to the lux levels and positioning of each lamp post with the Bedford Square Gardens.</li> <li>2. <b>Lux Levels</b> please see table above.</li> <li>3. <b>Layout Plan</b> There are only 2No lamp posts proposed for installation, these will be within the parameters of any light spillage from the garden to external influences.</li> <li>4. <b>Details of Proposed Equipment</b> please see above.</li> <li>5. <b>Details of Expected Impact on Neighbouring Properties and Roads</b> please see item 3 above.</li> <li>6. <b>Statement of any Proposed Measures to Mitigate or Compensate for the Possible Impact of the Proposed Development</b> Not applicable.</li> </ol>	