	KG	WINDAGE
Standard Beacon	33.00kg	0.885m^2
Hi-Viz Beacon	33.75kg	0.887m^2

Ø320
393
308.4
Ø114
Ø165
600 PD
Finished ground level

Standard Beacon   High Viz Beacon

Post Contents

Accessory Bag

Contents
5mm security Allen key
Magnet

Baseplate

Column Base

Illuminated Post

OPTIONAL EQUIPMENT

Photocell
Pedestrian waiting Luminaire (optional)
Crossing Luminaire
Illuminated Post
Traffic

BEE SEEN SPOTLIGHT

⚠ Disconnect from the supply when conducting in-situ insulation resistance testing.

⚠ If the external flexible cable or cord of this product is damaged, it shall be exclusively replaced by the manufacturer or his service agent or a similar qualified person in order to avoid a hazard.

⚠ The light source (LED's) contained in this product shall only be replaced by the manufacturer or his service agent or a similar qualified person.
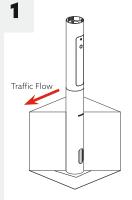
SAFETY FIRST

Isolate the electrical supply before commencing any installation or maintenance work. Wiring should be carried out in accordance with the latest IEE regulations by suitably qualified engineers.

This equipment is designed for 24 volt AC operation and must be used with a suitable transformer when connected to the mains supply.

TOOLS REQUIRED

- 13mm AF spanner
- 17mm AF socket
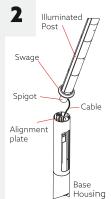- 5mm security Allen key (Supplied)

1

Traffic Flow

Excavate a hole 600 x 600 x 600mm deep.

Fix the baseplate to the bottom of the base using the supplied bolt. (13mm AF Spanner)

Place the base in to the centre of the hole taking note of the door position in relation to the traffic direction.

Arrange for the incoming supply cable to enter the base through the cable entry port and ensure the ground level marker is level with finished ground level.

Backfill the hole with concrete ensuring the column base is upright and true. *Allow the concrete to set.*

2

Illuminated Post
Swage
Spigot
Cable
Alignment plate
Base Housing

Remove the column door using the 5mm security Allen key.

Take the illuminated post and note where the illuminated openings need to be in relation to traffic. If the post is supplied with a pre-fitted spotlight, ensure that this is also in the correct orientation.

Remove and retain the M10 Hex head screw and washer in the base of the spigot.

Offer the illuminated post up to the base housing passing the cable down one of the openings around the triangular alignment plate. If a spot light is fitted a second cable will be present and should be routed with the first cable.

Cable route options

3

Hex Head Screw

Engage the circular spigot at the bottom of the illuminated post with the circular hole in the alignment plate. As the post lowers, ensure keys on the swage engage in the slots of the base housing preventing rotation.

Keys are arranged so that the illuminated section can be rotated 90°, 30° and 60° in relation to the base.

Access the base housing through the door aperture and replace and tighten the M10 Hex head screw and washer retained in step 2.

Connect the beacon supply cable to the power supply using the supplied connector. Coil and secure any excess cable neatly in the base housing.

4

Connect the transformer input cable to the incoming power supply at the fused cut-out. If a spot light is fitted this should also be wired into the fused cut-out.

Re-connect the electric supply and replace the base door. Check that the post operates correctly.

Synchronising Beacons.
Several beacons may be synchronised by powering up at the same time or timing the powering of one beacon to match the other.*

Hi-Viz Beacon
The intensity of the Bee Seen Hi-Viz beacon is factory set to medium power. Please see over for instructions on how to adjust the brightness should this be required.

White Band Daytime Brightness
The brightness of the Bee Seen Retrofit Illuminated Post is factory set to medium power. Please see over for instructions on how to adjust the brightness should this be required.

*Dependent upon mains quality

For more information visit **www.trtlighting.co.uk**
call us on **01527 521162** or email **info@trtlighting.co.uk**
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BEE SEEN HI-VIZ BEACON BRIGHTNESS ADJUSTMENT

The Bee Seen Hi-Viz beacon has an adjustable array brightness which is independent between front and back. Follow the steps below to access the controls and make the adjustment.
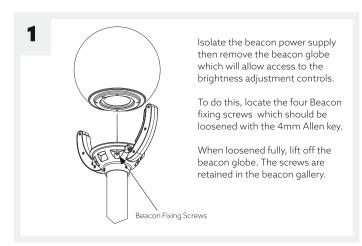
SAFETY FIRST

Isolate the electrical supply before commencing any installation or maintenance work. Wiring should be carried out in accordance with the latest IEE regulations by suitably qualified engineers.

This equipment is designed for 24 volt AC operation and must be used with a suitable transformer when connected to the mains supply.

TOOLS REQUIRED

- 4mm Allen key
- Small terminal screwdriver.

1

Isolate the beacon power supply then remove the beacon globe which will allow access to the brightness adjustment controls.

To do this, locate the four Beacon fixing screws which should be loosened with the 4mm Allen key.

When loosened fully, lift off the beacon globe. The screws are retained in the beacon gallery.
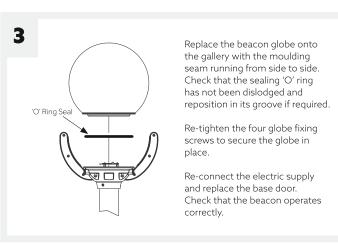
Beacon Fixing Screws

2

Identify the control board in the base of the beacon gallery and locate the array adjustment controls. There are two controls, each offering 8 levels of adjustment to the front and back projection. Note the white arrows printed on the board indicate which side of the beacon will be adjusted by each control.

The table below shows the level brightness for each setting.

Rotate the control with a small flat screwdriver to the desired setting.

The setting can be checked visually before replacing the beacon globe by temporarily powering up the beacon.

Take care to protect eyes when performing the check.

3

'O' Ring Seal

Replace the beacon globe onto the gallery with the moulding seam running from side to side. Check that the sealing 'O' ring has not been dislodged and reposition in its groove if required.

Re-tighten the four globe fixing screws to secure the globe in place.

Re-connect the electric supply and replace the base door. Check that the beacon operates correctly.

BRIGHTNESS LEVEL SETTINGS

LEVEL	Output Brightness (cd/m2)	
	DAY	NIGHT
0	OFF	OFF
1	1160	OFF
2	761	761
3	980	761
4	1160	761
5	1473	761
6	1503	761
7	1570	761

BEE SEEN POST BRIGHTNESS ADJUSTMENT

The white band illumination brightness can be adjusted to suit site conditions to make the post more visible to drivers.

Hold the supplied magnetic wand on the marked area within the lowest black band. A red dot will illuminate on the display to show that the system is active. Keep the magnet in place for around 10 seconds when the display will illuminate to show the current lighting level. Swiping the magnet across the area will advance the lighting level making the post brighter. When level 7 is reached, a further swipe will return to setting 0.

When the desired level is selected remove the magnet and after a short delay the display will flash indicating that the new level has been stored. At this point the post may dim slightly which will be the post responding to the ambient lighting conditions.

Repeat the process on both sides of the post which are independent from each other.

LEVEL	White band Brightness (cd/m²)	
	Daytime	Night-time
0	OFF	OFF
1	300	670
2	670	670
3	720	670
4	840	670
5	960	670
6	1080	670
7	1200	670

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