

GUIDANCE DOC

Gas Beacon - Information



Your delivery date will be confirmed with you prior to dispatch. All beacons will be delivered on or before 31st May 2022. The package includes:

- A feature crown shaped burner unit
- Two EIIR scrolls
- 2.2m tall steel stand in two parts
- Supporting feet, which form the base
- 4no. steel pins to secure the feet in soft ground
- Pre-made gas assembly (including 5m of piping, gas regulator, Y-Splitter and pig tail for connecting 2 gas cylinders)
- Fixed size spanner for connecting the 2 gas cylinders to the gas assembly
- 2no. lighting sticks
- Safety notes and instructions

Remember To Buy Your Gas

You will need to source your gas for your beacon from a local LPG supplier. Propane is supplied by most LPG stockists. If in doubt, check out the calor gas website for a local LPG supplier. Propane is supplied in the red cylinders. (FYI, Blue is Butane). Propane is supplied in 6kg, 13kg, 19kg and 47kg. Remember, when you are carrying a gas bottle, the total weight that you lift is the weight of the steel cylinder plus the weight of the gas i.e. a 13kg cylinder contains 13kg of gas, but the total weight of the cylinder is approximately 25kg.

The Right Size of Gas Bottle

We would recommend the 13kg or the 19kg cylinders for use with the beacon. When gas is drawn from a bottle, the liquid gas (LPG) changes to a gas by drawing heat from the air through the wall of the gas cylinder, causing the outside of the cylinder to freeze. The frost on the cylinder will cause the rate of conversion of the LPG to gas to slow down. The 13kg are lighter to carry, but due to the rate of draw of the gas, they will freeze over more quickly, thus reducing the size of the flame as it burns. The 19kg cylinders are larger with a greater surface area and will therefore freeze more slowly, resulting in the flame remaining larger for longer.

Easy Assembly & Instructions

The beacon will come ready for easy assembly. It has been designed in sections so that it is easy to lift, easy to move and easy to transport. The gas bottles are easily connected to the gas assembly by a single threaded nut and spanner. Photos of the beacon and gas assembly along with step-by-step instructions can be found online at:

www.21ccgroup.com/beacons

Beacon Sizes & Features

- Base Footprint: approximately 1m x 1m
- Total Height when erected is approximately 2.2m
- Crown shaped burner unit
- Adjustable feet for unstable ground
- Flame height approximately 1.0 to 1.5m depending upon wind strength.

Lighting The Beacon

The beacon is easily lit using the supplied lighting stick. There will be 2 lighting sticks in the box. This is essentially a wax-primed fabric on the end of a stick, which can be lit using a standard cigarette lighter. When lit, it creates a steadily burning flame. This is then held

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over the top of the beacon as a second person slowly turns on the gas. This means that the person lighting the gas beacon is at a safe distance when the flame ignites. More details are included within the **Instructions** (downloadable from our website). The beacon should be attended to by a minimum of 2 responsible people at all times.

Burn Time

The beacon has been designed to burn for approximately 1 hour using either the 2 x 13kg or 2 x 19kg Propane gas cylinders. You can adjust the size of the flame using the regulator.

Stability

The unit is stable and self-supporting in calm conditions. For additional stability on soft ground, there are steel pins (supplied) to secure the base. If setting up on solid ground (such as a roof top or street), sand bags (not supplied) or concrete blocks (not supplied) may be required for additional stability. The vertical pole can also be strapped to a railing for additional stability.

Registering Your Beacon

Now you have bought your beacon, you can join the global celebrations and register your event at the Official Platinum Beacons website. From there you can download a hard copy registration form and a guide to the taking part. This is also an excellent way of gaining publicity for your beacon event.

Add A Bit of Sparkle to Your Platinum Celebrations

If you are having a party to celebrate this wonderful occasion, then why not commemorate the lighting of your beacon with a small garden party fireworks display to entertain your family and your guests? Fireworks retailer Edinburgh Fireworks Store (www.edinburghfireworksstore.com) have some special Platinum Jubilee DIY firework packages. If you would like a larger, professional display, contact the experts at 21CC Fireworks (www.21ccgroup.com/fireworks/), and have a professional fireworks display anywhere in the UK.

Safety Instructions & Any Questions

You should download our Safety Instructions and familiarize yourself with these before you operate your beacon. If you have any questions about the beacon, please contact our office via email to beacons@21ccgroup.com.