

**Lens Guard not  
supplied as standard**

## Product overview

Typical applications are Oil and Gas, On-shore and Offshore, Chemical, Petrochemical, Refineries & Marine locations etc.

The units also have the ability to be fitted with a telephone initiation function and can be used as the second ring output indicator for telephones when installed in very noisy environments.

- Approved by ATEX and CQST
  - IMETRO and IECEx (Pending)
- ATEX: II 2G Exd IIC T4 - T6  
(incorporating IIA & IIB)
- Zones 1&2, Zones 21&22 (Pending)
- Conforms to EN (IEC) 60079-0  
EN (IEC) 60079-1 and EN54
- 360° light output  
around the vertical axis
- Dustproof & Weatherproof

## BC150 Series &gt; Ordering Information

|                            |       | Lens Colour | Beacon Type | Power (Xenon)* | Power (LED)* | Voltage         | Duty Label | Tag Label | Lens Guard  | Cable Entry       | Finish Colour | Telephone Initiated |            |
|----------------------------|-------|-------------|-------------|----------------|--------------|-----------------|------------|-----------|-------------|-------------------|---------------|---------------------|------------|
| Standard Product Selection | BC150 | Y = Amber   | X = Xenon   | 05 = 5J        | 05 = 5W      | DC<br>12 - 48v  | Y = Yes    | Y = Yes   | Y = Yes     | A = M20           | RD = Red      | Y = Yes             |            |
|                            |       | R = RED     |             | 10 = 10J       |              |                 |            | B = M25   | YW = Yellow |                   |               |                     |            |
|                            |       | B = BLUE    | L = LED     | 15 = 15J       | 10 = 10W     | AC1<br>12 - 48v |            | N = No    | N = No      | C = 1/2 NPT       | BU = Blue     | N = No              |            |
|                            |       | G = Green   |             | 21 = 21J       |              |                 |            |           |             | AC2<br>100 - 240v | D = 3/4 NPT   |                     | BL = Black |
|                            |       | C = Clear   |             | O = Other      |              |                 |            |           |             | O = Other         | OR = Other    |                     |            |

Follow the chart (right) to

Follow the chart (right) to generate your part code.

\* Choose either Xenon power or LED power only

MODEL CONFIGURATOR (By using the table above, complete this box sequence to select your required beacon).

|             |             |                |              |         |            |           |            |             |               |                     |  |
|-------------|-------------|----------------|--------------|---------|------------|-----------|------------|-------------|---------------|---------------------|--|
| BC150       |             |                |              |         |            | Y         |            |             |               |                     |  |
| Lens Colour | Beacon Type | Power (Xenon)* | Power (LED)* | Voltage | Duty Label | Tag Label | Lens Guard | Cable Entry | Finish Colour | Telephone Initiated |  |

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Note: All customers orders will be confirmed in writing. Care should be taken that the correct code has been ordered as be-spoke manufactured products cannot be returned for exchange or credit later.

Kg 3.8

 °C -40+70

IP 66/67



GRP

## APPROVALS and CONFORMITIES



# Explosion Proof Beacon > GRP BC150 Series

## General Information

EX CODE: Exd IIC T4 - T6

CERTIFICATION: ATEX, CQST

TYPE: Xenon or LED Visual Beacon

| Xenon Working Status |               | Xenon - Flashing                          |                |                |  |
|----------------------|---------------|-------------------------------------------|----------------|----------------|--|
| Flash Rate           |               | Selectable from 60-180 Flashes per Minute |                |                |  |
| Power Rating         | 5 J (10W) Max | 10 J (15W) Max                            | 15 J (20W) Max | 21 J (25W) Max |  |
| Effective Candela    | 109           | 293                                       | 395            | 424            |  |

| LED Working Status |     | LED - Flashing / Rotating / Static            |  |
|--------------------|-----|-----------------------------------------------|--|
| Flash Rate         |     | Selectable from 60-120 Flashes per Minute     |  |
| Rotation Rate      |     | Selectable from 60-120 Revolutions per Minute |  |
| Static Mode        |     | Permanently ON (ie Steady)                    |  |
| Power Rating       | 5 W | 10 W                                          |  |
| Effective Candela  | 128 | 312                                           |  |

### MULTIPLYING FACTOR FOR COLOURED LENSES:

Yellow (Amber) x 0.51, Red x 0.15, Blue x 0.12, Green x 0.49, Clear x 0

### Mechanical Specifications

MATERIAL: GRP (Glass Reinforced Plastic)

LENS COLOURS: Yellow (Amber), Red, Blue, Green, Clear or Other (specify)

ENCLOSURE COLOUR: Red (RAL3001), Yellow (RAL1003)  
Blue (RAL5005), Black (RAL9004)

WEIGHT: 3.8 Kg / 8.38 lb

DIMENSIONS: Length/Width: 150mm / 5.91" Height: 212mm / 8.35"

INGRESS PROTECTION: IP 66 & 67

AMBIENT TEMPERATURE: -40 to +70

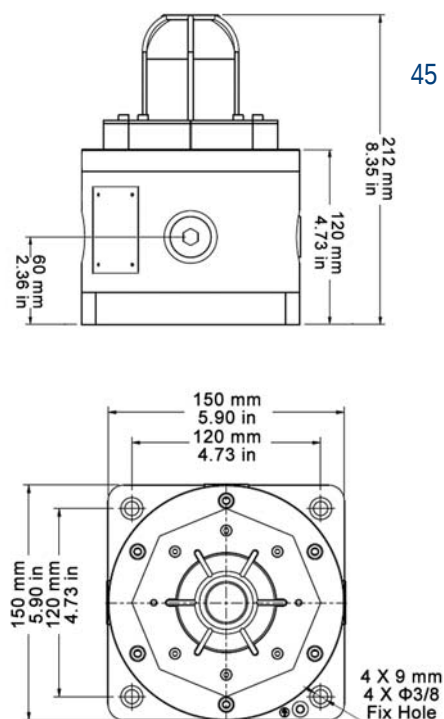
HUMIDITY: ≤ 95% RH

### Electrical Specifications

POWER SUPPLY: 12-48v Dc, 12-48v Ac or 100-240v Ac

TERMINATION: Accepts upto ≤ 2.5mm<sup>2</sup> incorporating rising clamp protectors

CABLE ENTRY: 4 x M20, M25, 1/2"NPT, 3/4"NPT or Other (Specify)



## Spareparts & Accessories

|                                          |                |
|------------------------------------------|----------------|
| Cage Guard S/S                           | 05/50060110109 |
| Xenon PCB (DC)                           | 05/50060400621 |
| Xenon PCB (AC)                           | 05/50060400622 |
| LED PCB (DC)                             | 05/50060400611 |
| LED PCB (AC)                             | 05/50060400612 |
| M20 Stainless Steel Exd Blind Plug       | 05/55100110920 |
| M25 Stainless Steel Exd Blind Plug       | 05/55100110925 |
| 1/2" NPT Stainless Steel Exd Blind Plug  | 05/55100110821 |
| 3/4" NPT Stainless Steel Exd Blind Plug  | 05/55100110843 |
| M20 Stainless Steel Exd Cable Gland      | 05/CG SM020X   |
| M25 Stainless Steel Exd Cable Gland      | 05/CG SM025X   |
| 1/2" NPT Stainless Steel Exd Cable Gland | 05/CG SN012X   |
| 3/4" NPT Stainless Steel Exd Cable Gland | 05/CG SN034X   |

## BC150 Series > Working Current

| Xenon  |         |        |        |         |         | LED   |         |        |        |         |         |
|--------|---------|--------|--------|---------|---------|-------|---------|--------|--------|---------|---------|
| ENERGY | 12v Dc  | 24v Dc | 48v Dc | 110v Ac | 220v Ac | POWER | 12v Dc  | 24v Dc | 48v Dc | 110v Ac | 220v Ac |
| 5 J    | 460 mA  | 280 mA | 140 mA | 60 mA   | 35 mA   | 5 W   | 530 mA  | 260 mA | 120 mA | 80 mA   | 40 mA   |
| 10 J   | 850 mA  | 490 mA | 250 mA | 100 mA  | 60 mA   | 10 W  | 1100 mA | 530 mA | 240 mA | 160 mA  | 80 mA   |
| 15 J   | 1200 mA | 700 mA | 360 mA | 140 mA  | 80 mA   |       |         |        |        |         |         |
| 21 J   | N/A     | 960 mA | 480 mA | 180 mA  | 110 mA  |       |         |        |        |         |         |