



## GNExB2L

### Explosion-Proof LED Multifunction Beacon



- Robust, corrosion proof GRP (glass reinforced polyester) enclosure
- Ingress protection IP66
- Automatic synchronization on multi-beacon systems
- Choice of five flash rates: 1Hz, 1.5Hz, 2Hz, double and triple flash.
- High and low power Steady modes
- Three remotely selectable stages/channels on DC versions.
- Glass lens & Stainless Steel guard
- UV stable PC field replaceable lens color filter
- Stainless steel fixings
- Triple cable entries
- Duplicate cable terminations (in & out for daisy-chain installations)

Tomar Electronics GNExB2L is an IECEx & ATEX approved explosion proof high output LED multifunction beacon. The robust IP66 corrosion proof GRP enclosure and extended temperature range ensures the GNExB2LD2 is suitable for all Zone 1, 2, 21 & 22 hazardous location signaling applications.

The GNExB2L utilizes an array of high power Cree® LED's, orientated to optimize visibility in any direction. The beacon can be configured as a steady beacon for status indicator use, with a light output of up to 174 candela. Alternatively one of the five flashing modes, with a light output of up to 338 candela, may be used for warning applications. DC voltage versions feature three remotely selectable stages enabling multiple warnings to be signaled from one device. The field replaceable color filter enhances the light output and is constructed from UV stable PC.

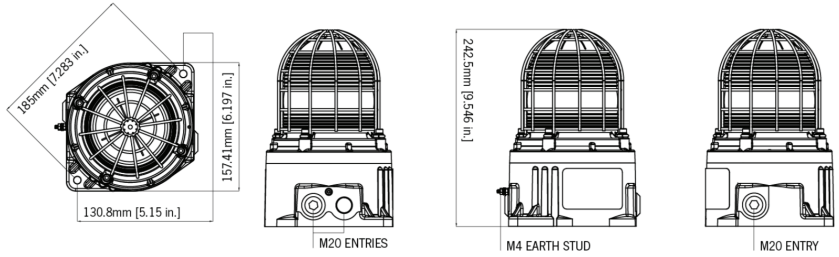
#### Approvals

- IECEx UL 15.0003X
- IEC 60079-0 : 2011
- IEC 60079-1 : 2014
- IEC 60079-31 : 2013
  
- ATEX DEMKO 15ATEX1448X
- EN 60079-0 : 2012
- EN 60079-1 : 2014
- EN 60079-31 : 2014
- TR-CU Ex EAC certificate: RU C-GB.AA71.B.00109

#### Coding

- II 2G Ex db IIC Gb T6 Ta -50°C to +55°C
- II 2G Ex db IIC Gb T5 Ta -50°C to +70°C
- II 2D Ex tb IIIC Db T95°C Ta -50°C to +70°C





## Multi-function patterns

Stage 1: [On board]	Stage 2: [Remote]	Stage 3: [Remote]
Steady High Power	Flashing 1Hz	Triple Flash
Steady Low Power	Flashing 1Hz	Triple Flash
Flashing 1Hz	2x Flash 2Hz	Triple Flash
Flashing 1.5Hz	Flashing 2Hz	Double Flash
Flashing 2Hz	Triple Strike	Triple Flash
Double Flash	Steady High Power	Triple Flash
Triple Flash	Flashing 2Hz	Double Flash

Note: Remote second and third stage on DC units only

## Specifications

Item	Description
Source	Array of 4 x High Power Cree® LED's
Modes	1Hz flash (60 fpm), 1.5Hz flash (90 fpm), 2Hz flash (120 fpm), Double strike flash, Triple strike flash, High Power Steady, Low Power Steady
Eff. Intensity cd	174 cd- High Power Steady
Eff. Intensity cd	338 cd- 1 Hz flash
Lens colors	Amber, Blue, Clear, Green, Magenta, Red & Yellow
Voltages DC	24V dc
Voltages AC	115V ac; 230V ac
Ingress protection	IP66
Enclosure material	UV stable GRP (glass reinforced polyester)
Color	Natural Red - can be provided in alternative colors
Cable entries	3 x M20 ISO (2 stopping plugs incl.) Adaptors to M25, 1/2" & 3/4" NPT can be specified
Terminals	0.5 - 2.5mm <sup>2</sup> (20-14 AWG)
Enclosure volume	<2 liters
Line monitoring	Blocking diode included EOL Min. 500 Ohm 2w, or 3k3 Ohm 0.5w resistor or diode (DC versions) can be fitted
LED life	60,000 hours
Temperature range	-50° to +70°C (-58°F to +158°F)
Weight	3.5kg/7.7lbs

\*All candela data is representative of performance with clear lens at optimum voltage

## Ordering Information

Please specify lens color when ordering: Amber, Blue, Clear, Green, Magenta, Red, Yellow

Model	Voltage	Steady High Power Current	Steady Low Power Current	Steady 1Hz Current
GNExB2L-024-(lens color)	18-54 VDC	240mA	134mA	110mA
GNExB2L-115-(lens color)	+/- 10% 50/60Hz	95mA	78mA	90mA
GNExB2L-230-(lens color)	+/- 10% 50/60Hz	48mA	37mA	45mA

2 x M20 cable entries; brass stopping plug. 304 (A2) Stainless steel mounting bracket and lens guard

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