



GNExB2X10

Xenon Strobe Beacon



- Robust, corrosion proof GRP (glass reinforced polyester) enclosure
- Ingress protection IP66
- Automatic synchronization on multi-beacon systems
- Choice of three flash rates: 1Hz, 1.5Hz and double flash
- User replaceable Xenon tube mechanically secured against shock & vibration
- 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 GNExB2X10 is an IECEx & ATEX approved explosion proof 10 Joule Xenon beacon. The robust IP66 corrosion proof GRP enclosure and extended temperature range ensures the GNExB2X10 is suitable for all Zone 1, 2, 21 & 22 hazardous location signaling applications.

The GNExB2X10 beacon produces over 479cd effective - a very high output Xenon strobe flash as required for efficient signaling over greater distances and in high ambient light. The optically enhanced field replaceable color filter optimizes the strobe output and is constructed from UV stable PC. The GRP enclosure features a threaded flame path, triple cable entries and a large termination area - all of which significantly reduce installation time.

Approvals

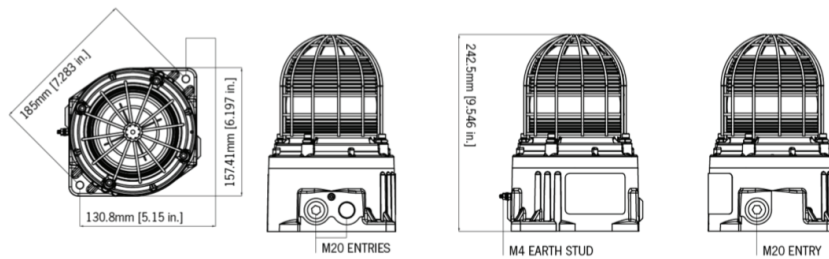
- IECEx UL 15.0003X
- IEC 60079-0 : 2011
- IEC 60079-1 : 2014
- IEC 60079-31 : 2013

- 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





Specifications

Item	Description
Energy	10 Joules (10Ws)
Flash Rate	1Hz (60 fpm), 1.5Hz (90fpm) & double flash
Peak Candela	1,000,000 cd - calculated from energy (J)
Eff. Intensity cd	500 cd - calculated from energy (J)
Peak Candela	110,243 cd - measured ref to I.E.S
Eff. Intensity cd	479.39 cd - measured ref to I.E.S.
Lens colors	Amber, Blue, Clear, Green, Magenta, Red & Yellow
Voltages DC	24vdc; 48vdc
Voltages AC	115vac; 230vac
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 ² (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
Tube life	Emissions are reduced to 70% after 8 million flashes
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	Description	Voltage	Current
GNExB2X10-024-(lens color)	10 Joule strobe	20-28 VDC	528mA
GNExB2X10-048-(lens color)	10 Joule strobe	42-54 VDC	229mA
GNExB2X10-115-(lens color)	10 Joule strobe 50Hz/60Hz	110-125 VAC	276mA
GNExB2X10-230-(lens color)	10 Joule strobe 50Hz/60Hz	220-240 VAC	130mA

3 x M20 cable entries; brass stopping plug. 304 (A2) Stainless steel lens guard

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