

GNExB2X21 Xenon Strobe Beacon



The GNExB2X21 is an IECEx & ATEX approved explosion proof 21 Joule Xenon beacon. The robust IP66 corrosion proof GRP enclosure and extended temperature range ensures the GNExB2X21 is suitable for all Zone 1, 2, 21 & 22 hazardous location signalling applications.

The GNExB2X21 beacon produces over 900cd effective - a very high output Xenon strobe flash as required for efficient signalling in environments with elevated levels of ambient light. The optically enhanced field replaceable colour filter optimises 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.

Features

- Robust, corrosion proof GRP (glass reinforced polyester) enclosure
- Ingress protection IP66
- Automatic synchronisation on multi-beacon systems
- Choice of three flash rates: 1Hz, double and alternate flash
- DC voltage units feature remote change of flash rate function
- User replaceable Xenon tube mechanically secured against shock & vibration
- Glass lens & Stainless Steel guard
- UV stable PC field replaceable lens colour filter
- Stainless steel fixings
- Triple cable entries
- Duplicate cable terminations (in & out for daisy-chain installations)

Approvals

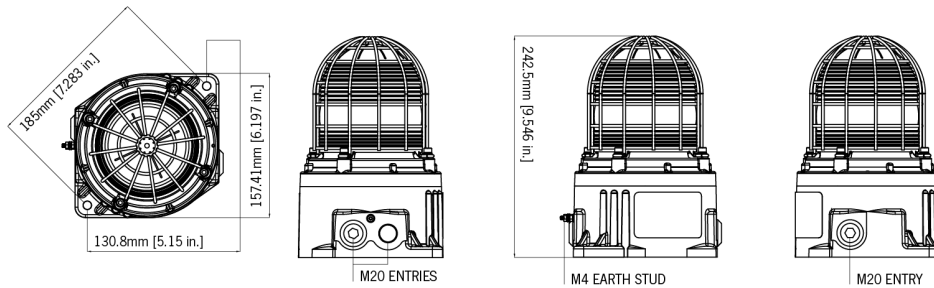
- IECEx UL 15.0003X
IEC 60079-0 : 2011
IEC 60079-1 : 2014
IEC 60079-31 : 2013
- ATEX DEMKO 15ATEX1448X
EN 60079-0 : 2012
EN 60079-1 : 2014
EN 60079-31 : 2014

Coding

- II 2G Ex db IIC Gb T4 Ta -50°C to +70°C
- II 2D Ex tb IIIC Db T130°C Ta -50°C to +70°C



Comsec Protection Systems



Specification

Energy:	21 Joules (21Ws)
Flash rate:	1Hz (60 fpm), double flash & alternate flash
Peak Candela:	2,100,000 cd - calculated from energy (J)
Effective Intensity cd:	1,050 cd - calculated from energy (J)
Peak Candela:	181,491 cd - measured ref to I.E.S
Effective Intensity cd:	902.69 cd - measured ref to I.E.S
Lens colours:	Amber, Blue, Clear, Green, Magenta, Red & Yellow
Voltages DC:	24vdc; 48Vdc
Voltages AC:	115Vac; 230Vac
Ingress protection:	IP66
Enclosure:	UV stable GRP (glass reinforced polyester)
Colour:	Natural Red - can be provided in alternative colours
Cable entries:	3 x M20 ISO (2 stopping plugs inc.) Adaptors to M25, 1/2" & 3/4" NPT can be specified
Terminals:	0.5 to 2.5mm ²
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.	

Example part code: G NExB2X2 1AC2 30 [e][m][s][v][x]/[y]
 G NExB2X2 1AC2 30AB1A1R/R
 G NExB2X2 1 21 Joule Xenon Strobe Beacon, 230V ac,
 3 x M20 entries, Brass stopping plugs,
 A2 304 SS guard, IECEx & ATEX approved,
 Red enclosure

Part Codes

Version:	Part code:
Product type:	G NExB2
Type:	X21 Xenon Beacon - 21 Joule
Voltage:	DC024 202 8V dc DC048 42-54V dc AC115 110-125V ac AC230 220-240V ac
Cable Entry Type; [e]	A 3 x M20x1.5mm B 2 x 1/2" NPT - adaptors C 2 x 3/4" NPT - adaptors D 2 x M25x1.5mm - adaptors E 1 x 1/2" NPT - adaptor F 1 x 3/4" NPT - adaptor G 1 x M25x1.5mm - adaptor H 3 x 1/2" NPT - adaptors I 3 x 3/4" NPT - adaptors J 3 x M25x1.5mm - adaptors
Adaptor/Stopping plug material: [m]	B Brass N Nickel Plated S Stainless Steel
Guard material: [s]	1 A2 304 Stainless Steel 2 A4 316 Stainless Steel
Product version: [v]	A1 IECEx & ATEX
Enclosure colour: [x]	R Red S Special - contact E2S for alternative enclosure colours
Lens colour: [y]	A Amber B Blue C Clear G Green M Magenta R Red Y Yellow

Current Consumption

Version:	Voltage:	Current:
24V dc	20-28V dc	1032mA
48V dc	42-54V dc	460mA
115V ac	50/60Hz 110-125V ac	464mA
230V ac	50/60Hz 220-240V ac	310mA