BARTEC TECHNOR

Lighting

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TNXCX, Flameproof Xenon Floodlight

BARTEC TECHNOR's low profile floodlights in stainless steel 316L were developed to withstand the harshest offshore environments, while designed to provide safe, powerful illumination with no glare (e.g. to pilots or crew).

Stainless steel 316L enclosure and high quality internal electronics provides a reliable and long lifetime light source to ensure maintenance is kept to a minimum.

- The floodlight is available in Ex or industrial version.
- Ideal suited for helicopter landing areas.
- Complies to the CAP directive for helicopter deck lighting.
- Customised version available upon request, to suit your application.
- Shock and vibration resistant.
- Available with an Ex e connection chamber, flying lead or direct entry.

General specification

Material	Stainless steel 316L
IP Rating	IP66, IP67/68 upon request
Ambient temperature	-50°C to +50°C
Approvals	DNV-2008-OSL-ATEX-27278
Standards	EN/IEC: 60079-0, 60079-1, 60079-7 EN50281-1-1 CAP437
Ex-Code	Ⓔx II 2 G, T4, Ex d/de IIC, Suitable for Zone 1 and 2
Entries	M25 or M20 glands/blanking plugs
Lamp	Xenon D25 35 Watt
Operating voltage	220-230 VAC, 110-120 VAC, 254 VAC at 50/60 Hz or 12 VDC, 24 VDC
Power consumption	50 Watt
Weight	Approx. 10 Kg.
Lens	Glass

X	¤	X	¤	¤	¤	¤	¤	¤ = fill in value

8th ¤	1 = IP66 2 = IP66/67 3 = IP68 (0,5 bar, 2 hours)
7th ¤	Operating voltage: 1 = 12VDC 2 = 24VDC 3 = 110/120VAC 4 = 220/240VAC 5 = 254VAC
6th ¤	E = Explosion Proof, I = Industrial (Non-Ex)
5th ¤	Ex-code and entries: 1 = Ex de with TNCN junction box and 2xØ25 2 = Ex de c/w 5xØ25 bottom entries in Ex e box 3 = Ex d with 1xM25 bottom entry 4 = Ex d with 1xM25 bottom entry and flying lead (5m)
4th ¤	Diameter (ø)130 = 130 mm
3rd X	X = Xenon light source
2nd ¤	Material types: C = SS316L, A = Aluminium
1st X	TNX

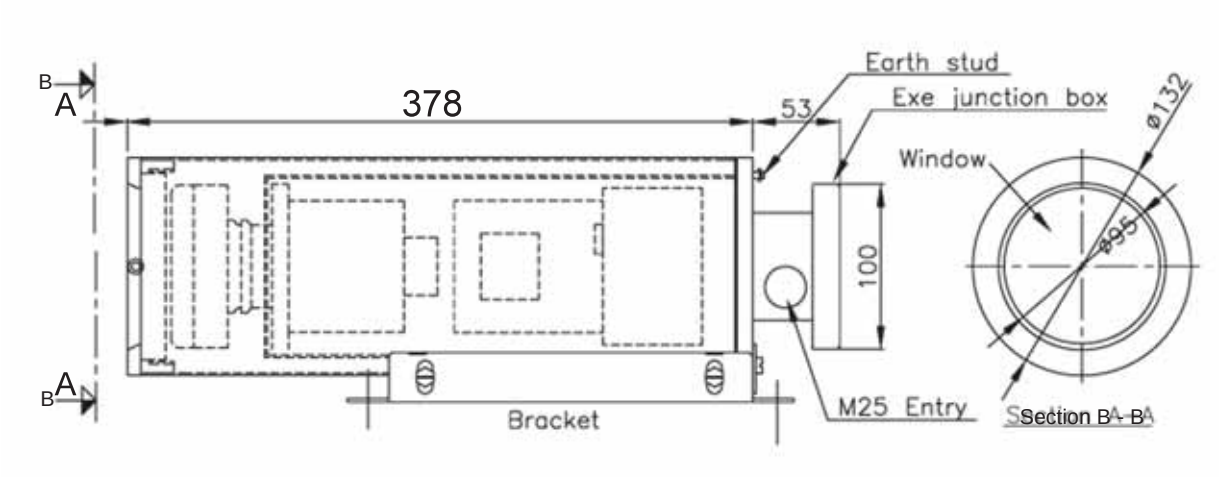
Typical floodlight with connection box:

Part number: XCX1301E42
TNXCX130360 Ex de 230 VAC. IP66/67
Floodlight SS316L.
TNCN conn. box & cable bushing.
2xM25 Ex e entr. øxL = 130x431 mm

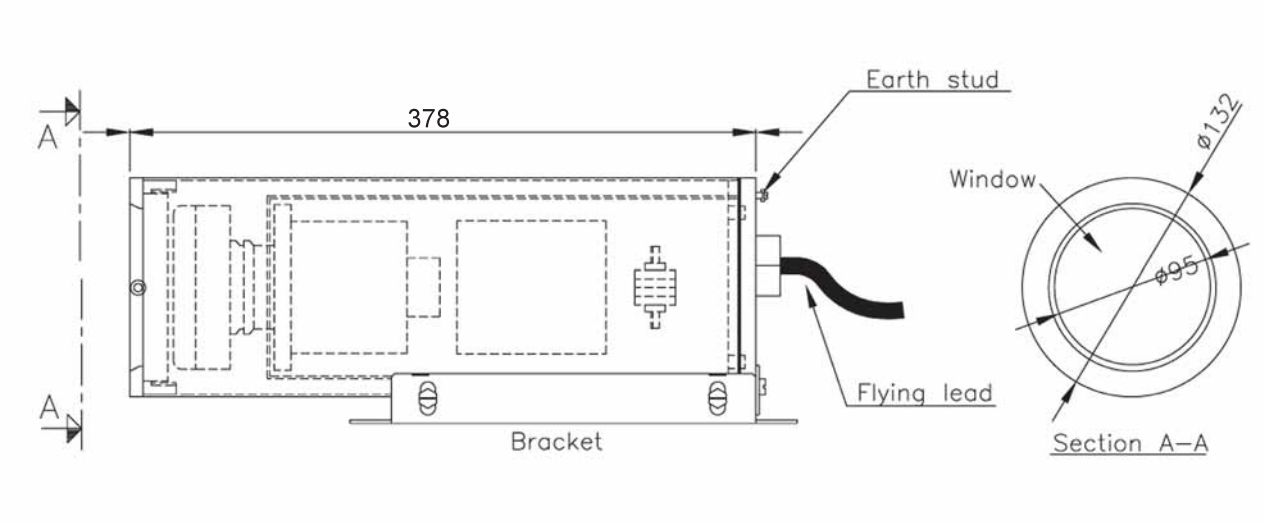
Typical floodlight with flying lead:

Part number: XCX1304E12
TNXCX130360 Ec d 12VDC. IP66/67
Floodlight SS316L
Flying lead cable (5m)
1xM25 Ex d entry. øxL = 130x378 mm

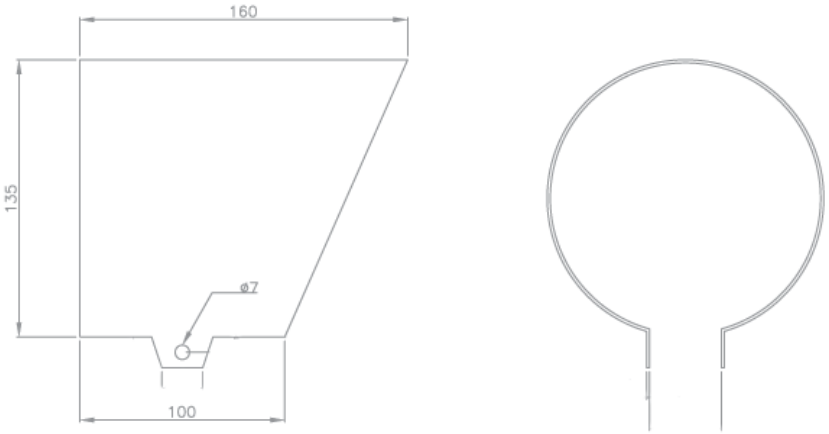
Ex de



Ex d Flying Lead



Accessories (Optional)



Cannopy for extra protection against glaring

Hazardous area information & terminology

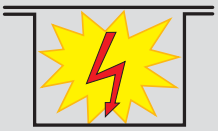
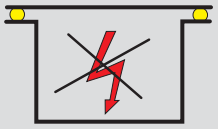
ATEX Directive

The ATEX Directive, derived from the French “AT mosphères EXplosibles” and formally known as 94/9/EC, contains the ESR (Essential Safety Requirements) to which electrical equipment and protective systems used within potentially explosive atmospheres must conform.

The new ATEX Directive currently in place within the European Union was made mandatory on 1st July 2003. Primarily intended for manufacturers of hazardous area equipment for use in the presence of flammable gases, vapours, fumes or dusts, the new directive requires a quality management system to be implemented.

Procedures for the design, manufacture and verification of products are to be approved by a notified body (i.e. DNV, NEMKO, etc.) and all equipment conforming to the new directive will feature CE and Ex Marking.

Zone Classification with the presence of GAS	
Zone 1 (Category 2)	An area in which explosive gas is likely to be present during normal operation of the plant.
Zone 2 (Category 3)	An area in which explosive gas is not continuously present, but may exist for a short period of time.

Applicable EX protection	
Ex d Protection Parts, which can ignite a potentially explosive atmosphere, are surrounded by an enclosure, which are designed to withstand the pressure of an internal explosion and to prevent the propagation of the explosion to the atmosphere surrounding the enclosure.	
Ex e Protection for electrical components that do not spark under normal working conditions but where measures are applied to prevent high temperatures and the occurence of arcs and sparks internally.	

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