



107XBR XTRA-BRITE™ LED Hazardous Location Beacon



The 107XBR hazardous location XTRA-BRITE™ LED visual signals are NEMA Type 3R and Type 4 heavy-duty visual signals designed for indoor or outdoor applications. The units are available in 24V DC or 120V AC and are field configurable for steady-on or flashing (65 fpm). The inner, double fresnel lens is made of a high grade polycarbonate and is designed to magnify the super-bright LEDs inside. A clear, outer, impact-resistant glass globe also covers the lens and an optional dome guard fits over the glass dome to protect it against accidental impacts with machinery or falling objects.

The 107XBR has three different mounting configurations including the pendant mount, bracket mount and ceiling mount and can be mounted on 3/4" NPT threaded conduit.

The 107XBR is designed for applications such as petroleum refineries, utility gas plants, dry cleaning plants, fuel servicing areas and other similar applications.

Features

- Available in 24V DC or 120V AC
- Five Lens Colors
- Steady-on or flashing in every unit
- 3/4" NPT threaded conduit
- High level of immunity to shock and vibration
- Three mounting options: pendant, bracket or ceiling
- Bracket and Ceiling Mount: Class I, Div 2, Groups A, B, C, and D; Class II, Div 2, Groups F and G, Class III
- Pendant Mount: Class I, Div 2, Groups A, B, C, and D; Class II, Div 2, Groups F and G, Class III, Class II, Div 1, Groups E, F and G
- All 107XBR units are Marine Rated (Marine rating applies to UL listing only)



*Marine environments (120V AC only)

107XBR XTRA-BRITE™ LED

Description	Cat. No.	Operating Voltage	Current	Mounting Method	LED Colors	Median LED Life (L70) [†]	Flash Rate
Hazardous Location LED Beacon	107XBRPM*120A	120V AC 60 Hz	115 mA	Pendant	Amber, Blue, Green, Red, White	148,000 hours	65 fpm**
	107XBRBM*120A	120V AC 60 Hz	115 mA	Bracket	Amber, Blue, Green, Red, White	148,000 hours	65 fpm**
	107XBRCM*120A	120V AC 60 Hz	115 mA	Ceiling	Amber, Blue, Green, Red, White	148,000 hours	65 fpm**
	107XBRPM*24D	24V DC	220 mA	Pendant	Amber, Blue, Green, Red, White	148,000 hours	65 fpm**
	107XBRBM*24D	24V DC	220 mA	Bracket	Amber, Blue, Green, Red, White	148,000 hours	65 fpm**
	107XBRCM*24D	24V DC	220 mA	Ceiling	Amber, Blue, Green, Red, White	148,000 hours	65 fpm**

*Letter in this position designates lens color: A - amber, B - blue, G - green, R - red, or W - white

**Only if activated by third yellow wire

[†]Based on LED manufacturer's projections. Refer to <http://www.philipslumileds.com/pdfs/WP15.pdf>

Haz-Loc Approvals

107XBR	Operating Temperature				
	Ambient Temp.	Pendant, Bracket and Ceiling Mount		Pendant Mount Only	
		Class I, Div. 2, Groups A, B, C and D	Class II, Div. 1, Groups E, F, G	Class II, Div. 2, Groups F, G	Class III, Div. 1 & 2
40°C	135°C (T4)	85°C (T6)	85°C (T6)	85°C (T6)	
55°C	135°C (T4)	85°C (T6)	85°C (T6)	85°C (T6)	
65°C	135°C (T4)	85°C (T6)	85°C (T6)	85°C (T6)	

Note: Class II and Class III only apply to Pendant Mount with clear globes

Dimensional Drawing

