

Edwards® 105 Series Industrial Beacons for Adverse Location Installation - NEMA 4X Enclosures



Cat. No. 105FINH mounted on a Cat. No. 105BM with the Cat. No. 105BX



Cat. No. 105HIST mounted on a Cat. No. 105BX



Cat. No. 105ST mounted on a Cat. No. 105BX



Cat. No. 105HIST mounted on a Cat. No. 105PM

Features

- Corrosion resistant
- Six available light sources
 - Steady-On Incandescent
 - Steady-On LED cluster
 - Flashing Incandescent
 - Flashing LED cluster
 - 300,000 Peak Candela Strobe
 - 800,000 Peak Candela, 8 Joule High Intensity Strobe
- Two interchangeable mounting bases
 - 3/4" (19mm) pipe mount attachment
 - outlet box attachment
- Mounting bracket for wall mounted vertical installations
- Strobe & incandescent models available in 120V AC; 24V AC & 24V DC; Models with LED clusters available in 24V DC & 120V AC
- Vibration resistant heavy duty industrial design

Description

The Edwards 105 Series are heavy duty, reliable beacons designed for use in industrial applications or in applications where a corrosion resistant NEMA 4X enclosure is required.

The housing is manufactured from glass-reinforced thermoplastic polyester resin and incorporates brass hardware. The double fresnel lens is made of polycarbonate.

Agency Approvals

- UL Listed
- UL Listed NEMA 4X Enclosure
- UL Listed Class I, Division 2, Groups A, B, C & D; Class II, Division 2, Groups F & G and Class III locations
- CSA Certified
- Marine Rated

Light Sources

All light sources are supplied as UL listed component assemblies--ready to be attached to the selected mounting base. They include the lens, mounting ring and gasket and, in the case of the high intensity strobe light source, an additional mounting collar.

The incandescent and strobe lights are available in six colors: red, amber, blue, green, magenta, and clear. The LED modules are available in four colors: red, amber, blue and green. Double fresnel polycarbonate lenses provide a 360 degree non-shadowed light pattern.

Steady-On Incandescent Halogen

The Steady-On halogen light module provides a constant visual signal. It is ideal for start/stop functions, on/off processes or continuous duty visual signaling applications.

Steady-On LED

The long life Steady-on LED is also ideal for start/stop functions, on/off

processes or continuous duty visual status indicating applications.

Flashing Incandescent Halogen

The Flashing Incandescent Halogen Light commands immediate attention. It works well as a warning signal when used with the steady-on module.

Flashing LED

The Flashing LED also commands attention and works well as a status indicating signal. It is ideal where long life is required.

Strobes

The strobe is ideal for high ambient light areas. The lights are available either in a 3 Joule (300,000 Peak Candela) strobe or a high intensity 8 Joule (800,000 Peak Candela) strobe.

Installation

The units can be mounted on 3/4" (19mm) NPT conduit or on the 105BM mounting bracket in non-hazardous dust and weatherproof applications.

NOTE: The No. 105BX mounting box may not be used to continue metallic conduit runs.

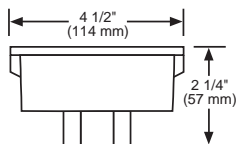
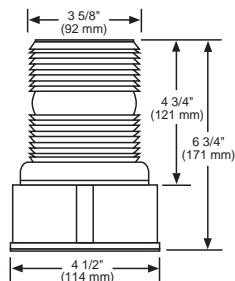
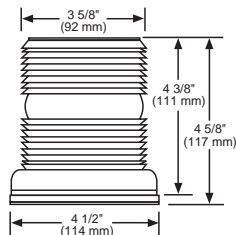
For indoor applications, may be vertically mounted with lenses facing up or down. For weatherproof installation, it is recommended that the unit be mounted with the lens facing up or with the lens horizontal.

Three interchangeable mounting bases (purchased separately) are available for use with the selected light source:

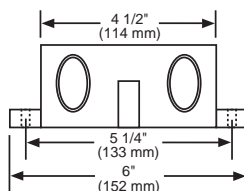
- The No. 105PM pipe mount attachment with 3/4" (19mm) threaded hub is used for pendant mounting.

- The No. 105BX Mounting Box includes four 3/4" (19mm) threaded hubs and two external mounting feet and is suitable for direct ceiling mounting.

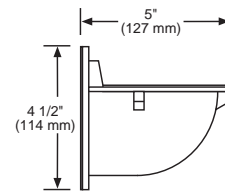
- For wall mounting, the No. 105BM Mounting Bracket is used with the No. 105BX outlet box.



105PM Pipe Mount Attachment



105BX Outlet Box Attachment



105BM Mounting Bracket
(use with 105BX)

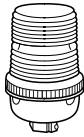
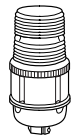
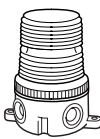
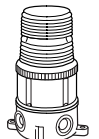
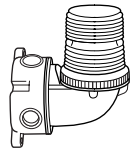
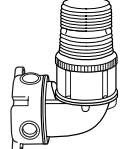
Light Source Cat. No.	Module Type
105SLED*-G1	Steady-On LED
105SLED*-N5	Steady-On LED
105FLED*-G1	Flashing LED
105FLED*-N5	Flashing LED
105SINH***-G1	Steady-On Halogen
105SINH***-G5	Steady-On Halogen
105SINH***-N5	Steady-On Halogen
105FINH***-G1	Flashing Halogen
105FINH***-G5	Flashing Halogen
105FINH***-N5	Flashing Halogen
105ST***-G1	3 Joule Strobe
105ST***-N5	3 Joule Strobe
105ST***-R5	3 Joule Strobe

105HIST***-N5	High Intensity 8 Joule Strobe
105HIST***-R5	High Intensity 8 Joule Strobe

*Lens and light source (LED) color: A - amber, B - blue, G - green, R - red.

**Lens color: A - amber, B - blue, C - clear, G - green, M - magenta, R - red.

Light Source/Mounting Attachment Configurations

Light Source	105SLED, 105FLED, 105SINH, 105FINH, 105ST Series	105HIST Series
Mounted on a Cat. No. 105PM Pipe Mount Attachment (purchased separately)		
Mounted on a Cat. No. 105BX Outlet Box Attachment (purchased separately)		
Mounted on a Cat. No. 105BM Mounting Bracket with the Cat. No. 105BX Outlet Box Attachment (purchased separately)		

Light Source Cat. No.	Module Type	Lamp Ratings	Voltage	Current	Replacement Lamp
105SLED*-G1	Steady-On LED	100,000 hours ^{1,2}	24V DC	0.062A	--
105SLED*-N5	Steady-On LED	100,000 hours ^{1,2}	120V AC	0.022A	--
105FLED*-G1	Flashing LED	100,000 hours ^{1,2}	24V DC	0.062A	--
105FLED*-N5	Flashing LED	100,000 hours ^{1,2}	120V AC	0.022A	--
105SINH** -G1	Steady-On Halogen	20W, 226 Lumens, 20,000 hours ^{1,2}	24V DC	0.8A	50LMP-20WH or Industry Trade No. 1692 (Incandescent)
105SINH** -G5	Steady-On Halogen	20W, 226 Lumens, 20,000 hours ^{1,2}	24V AC	0.8A	50LMP-20WH or Industry Trade No. 1692 (Incandescent)
105SINH** -N5	Steady-On Halogen	25W, 175 Lumens, 20,000 hours ^{1,2}	120V AC	0.2A	50LMP-25WH or Industry Trade No. 25T8DC (Incandescent)
105FINH** -G1	Flashing Halogen	20W, 226 Lumens, 20,000 hours ^{1,2}	24V DC	0.8A	50LMP-20WH or Industry Trade No. 1692 (Incandescent)
105FINH** -G5	Flashing Halogen	20W, 226 Lumens, 20,000 hours ^{1,2}	24V AC	0.8A	50LMP-20WH or Industry Trade No. 1692 (Incandescent)
105FINH** -N5	Flashing Halogen	25W, 175 Lumens, 20,000 hours ^{1,2}	120V AC	0.2A	50LMP-25WH or Industry Trade No. 25T8DC (Incandescent)
105ST** -G1	3 Joule Strobe	300,000 Peak Candela, 3,000 hours ³	24V DC	0.3A	91B-ST
105ST** -N5	3 Joule Strobe	300,000 Peak Candela, 3,000 hours ³	120V AC	0.1A	91B-ST
105ST** -R5	3 Joule Strobe	300,000 Peak Candela, 3,000 hours ³	240V AC	0.02A	91B-ST
105HIST** -N5	High Intensity 8 Joule Strobe	800,000 Peak Candela, 3,000 hours ³	120V AC	0.1A	92-ST
105HIST** -R5	High Intensity 8 Joule Strobe	800,000 Peak Candela, 3,000 hours ³	240V AC	0.05A	92-ST

*Lens and light source (LED) color: A - amber, B - blue, G - green, R - red.

**Lens color: A - amber, B - blue, C - clear, G - green, M - magenta, R - red.

¹At nominal operating voltage.

²Projected lamp life based on manufacturer's calculated lamp life @ 65 fpm and 50% duty cycle.

³Strobe tube life @ operating power to 75% efficiency.