e•flare®

BE SEEN – BE SAFE

Emergency Services | Rail | Utilities | Mining | Aviation Military | Transport | Logistics | Industrial

PRODUCT CATALOG 2020/21

The World's Most Advanced Intrinsically Safe Beacons

www.eflarecorp.com

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BE SEEN – BE SAFE®

Eflare High Performance Professional Beacon

ATEX/IECEx approved

Patented fresnel lens to maximise beam visability, visible for more than 1km.

High-luminosity solid state LEDs rated for greater than 100,000 hour operating life.

Shatterproof polycarbonate lens to ensure maximum clarity, strength, durability and shock resistance.

Low battery indicator to show when the batteries need to be replaced.

Coloured pins indicate the beacon light colours.

Failsafe positive activation microswitch to prevent accidental turning off or on of beacon.

Advanced battery protection system to protect circuits and batteries from shock if the beacon is dropped.

Reflective strip and fluorescent body to maximize visibility, day and night.

High strength clips to permit attachment of beacon to cones, signs, belts or vehicle windows.

All beacons have an operating life of more than 20 - 40 hours model depending on battery type.

Impact resistant ABS body and cap to maximize toughness and durability of beacon.

Precision o-rings to ensure beacon is waterproof, dustproof and safe to operate in hazardous areas.

Five year warranty against defective materials and workmanship.

About Eflare

Since 1998 Eflare has been the world leader in LED Safety beacons for EMERGENCY SERVICES, RAIL, UTILITIES, MINING, AVIATION, MILITARY, TRANSPORT, LOGISTICS and INDUSTRIAL applications.

Fore more than 20 years Eflare has supplied safe, reliable, durable and cost effective warning beacons, which has resulted in more than 500,000 beacons being sold world-wide in over 20 countries.

Eflare has the accreditations to operate in hazardous environments with a wide range of models and features to suit your requirements. Eflare prides itself on improving workplace safety quickly, easily and effectively in any environment. Whether it be different beacon light colours, varied flash rates, light activated beacons or a different size, shape or colour body, Eflare can provide a solution for your application.

As a pioneer in LED and lens technology, Eflare understands our users unique requirements and works alongside teams all over the world to design and develop safety beacons that serve our customers requirements.

1998

The first Eflare featured halogen globe and basic lens with compact self-righting base. Fully sealed and single colour.

1999

Evolved model where the Fresnel lens concept started. Fully sealed, single colour, larger and heavier.

2000

Development of the first bigger model with 4D cell battery capacity and a bigger overall layout. Single colour and replaceable batteries.

2002

The incorporation of contemporary technology with LEDs boosted visibility and allowed dual flash colours. Replaceable batteries. Australian Police help with design input and become a major user.

Eflare Brand Identity

Essence   Industry leaders in delivering cutting edge technology and products focused on industrial safety.

Purpose   To deliver the highest quality safety products available.

Eflare Values   Passionate about innovation and committed to our end-users safety.

Eflare Promise   To improve user safety by delivering the highest quality, most advanced and reliable safety products available.

Eflare Attributes   Focused on safety through quality, reliability and innovation excellence.

2003

Hazmat accreditation was achieved.

2010

Intrinsically Safe accreditation meant Eflare beacons had a significant advantage and sold to professional emergency services in major markets with police, fire and ambulance all endorsing the safety, performance and suitability of Eflare beacons.

2014

280 Series
Compact layout with high performance.
290 Series
Conventional size with high performance.
700 Series
Easy switching between flash or steady-on.
Full range of colours available
Red, Amber, Green, Blue, White and Dual Colour Combinations.
Options include
Flash, steady-on, dual colour, dual function, torch, flash or steady-on.

2019

A customised beacon done for New York City Transit (NYCT) to meet stringent safety specifications. The NYCT beacon has been formally approved for use by NYCT and independently accredited to an ATEX and IECEx certification.

BE SEEN - BE SAFE®

Why choose Eflare Beacons?

- Versatile, compact and practically indestructible
- Warranted against product defects for 5 years
- Over 500,000 units sold in 20 countries
- Uses standard AA or D Cell batteries
- Intrinsically safe
- Easy to deploy
- Lightweight

ECO-FRIENDLY

Eflares are reusable. They reduce the environmental impact caused by traditional flare waste.

IECEx & ATEX Accreditation

Accreditation Information

The Eflare Beacons are compliant with the publications
IEC 60079 Part 0 (General requirements) and
Part 11 (Intrinsic Safety "i") and as listed below:

- IEC60079-0: 2011 Edition 6.0
- IEC60079.11: 2011 Edition 6.0
- IEC60529: 2001 Edition 2.1

Eflare new accreditation

- Accreditation Level - Ex ic IIC T4 Gc IP66
- ATEX Certificate No. – ITS10ATEX27129
- IECEx Certificate No. – IECEx TSA 11.0023

Accreditation Symbols

- Ex   Explosion Protection
- ic   Intrinsic Safety - Gas zone 2
- IIC   Type of flammable gas present in the atmosphere - Hydrogen (more easily ignited)
- T4   Maximum surface temperature of product must not exceed this temperature, +135 deg C
- Gc   Equipment Protection Level - Gas Zone 2
- IP66 Total dust ingress protection, Protected against high pressure water jets from any direction

Batteries

Accreditation is only valid if one of the following types of batteries used in the beacon:

- Energizer Industrial E91 (AA Cell)
- Energizer Industrial E95 (D Cell)
- Duracell Procell PC1500 (AA Cell)
- Duracell Procell PC1300 (D Cell)
- Varta MN1500 (AA Cell)
- Varta MN1300 (D Cell)

Eflare | Design and Technology

> State-of-the-art LEDs with extraordinary brightness and colour

> Clear Fresnel lens with specialised high-performance design/360 visibility

> No point fixation and distance judgment issues

> Flashing and/or steady-on options and dual flash combinations available

> Rotate lens for on/off with failsafe positive activation

> Body made of high quality, resistible ABS long-life plastic

> AA or D cell battery life up to 40+ hours (varies by model)

> Easy to replace batteries (some models have low battery warning light)

> LEDs have a life of over 100,000 hours

Single colour & dual flash options available
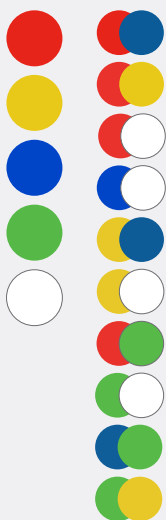
Height: 15cm	Height: 20cm	Height: 22cm
Weight: 240g	Weight: 260g	Weight: 460g

Warranty

Eflare Corporation Pty Ltd warrants that Eflare beacons will be free from defective materials and workmanship under normal and intended use for five years from the date of purchase by the original end-user.

For further terms and conditions visit https://eflarecorp.com/terms-and-conditions.

Emergency Services

Applications

- Police, Fire, Ambulance, Rescue
- DUI Checkpoints/Random Breath Tests
- Accident/Collision Scenes
- Traffic Road Blocks
- Traffic Control

Industrial & Utilities

Applications

- Worker Safety
- Truck/Container Loading area identification
- Backup Forklift light
- Warehouse Pick/Pack operations
- Hazard Identification
- Fuel Delivery Truck unloading/loading operations
- Service Station Fuel Tank Dipping Identification
- Site Safety
- Gas main repair
- Telephone Cable repair
- Electricity maintenance work

Rail

Applications

- Safety Flagging
- Track Closures
- Emergency Welding
- Shunting
- Site Inspections

Transport & Logistics

Applications

- Vehicle Breakdown
- Road Maintenance
- Road Closure
- Hazard identification
- DUI checkpoint
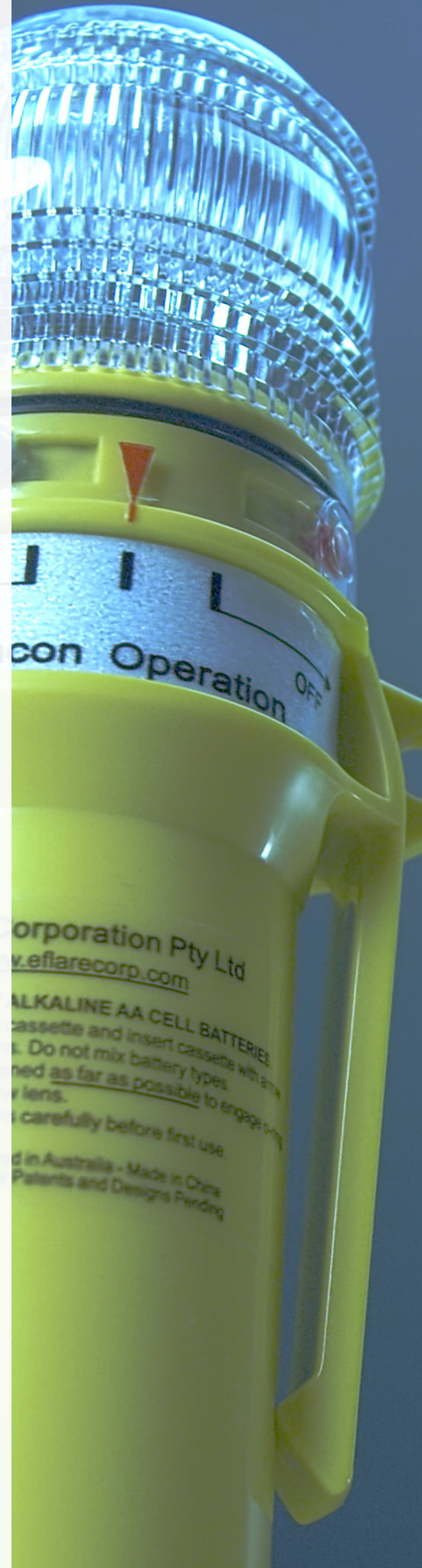- Accident/Collision Scenes

Mining

Applications

- Blasting Operations
- Vehicle Breakdown
- Indication of cross carts and draw points
- Boom Gate Identification
- Vehicle Safety Kit
- Hazard Identification
- Fuel Spills

Aviation & Military

Applications

- Temporary/Emergency Runway
- Helicopter Landing Zone
- Drone Landing Zone
- Airport maintenance

Eflare - Industrial Safety Technology company.

Eflare has products sold in every corner of the globe, across Emergency Services, Industrial, Utilities, Rail, Transport, Logistics, Mining, Aviation and Military applications.

Eflare has the most innovative safety beacons on the market. A beacon design and features evolve to employ new technologies and incorporate the best materials available.

Eflare can develop a beacon YOU need!

You have a specific requirement? Not a problem, Eflare can help.

- a beacon with a sensor which triggers the beacon

- a beacon with an audible alarm

- a beacon that is interconnectable

- an Eflare lens to be part of your larger Configuration Management system

- different colour, flash rate, or body colour of the beacon

- or any other requirement that you may have

Eflare beacons developed for special requirement orders

New York City Transit

Eflare designed a beacon that met stringent safety specifications around light beam profile, durability, battery life and lens/body design. The NYCT beacon has been formally approved for use by NTCT and independently accredited to an ATEX and IECEx certification.

Network Rail

The Eflare AT700B series beacon is specifically designed for Network Rail in the UK for the purpose of demarcating residual electrical hazards and/or limits of isolation. This range of products carries full Network Rail Product Acceptance and can be used in multiple locations during maintenance or construction work.

The EN800

This beacon was designed specifically for German Roads. It has a flash or steady-on function and a specific beam angle which was German Roads BASt approved.

e-flare® | 280 & 290 Beacons

> *Lighter and Brighter*

> *Choice of a beacon height*
  15 cm & 20 cm

> *4 AA Batteries*
  For both compact and standard
  sizes 20+ hours

> *Dual Function*
  Easy switching between flash or steady-on,
  single dual colours or torch

Specifications

Beacon	280	290
Body colour	Yellow	
LED colour options	Red, Amber, Blue, Green, White or combination of dual flash	
Candela	10 to 80	
No. of LEDs	8	
Flash Rate	165 to 185 fpm	
Battery type	4 x AA Cell Alkaline (not included)	
Battery life	20+ hours	
Weight	240 gm	260 gm
Height	15 cm	20 cm

Key Features

- Flash or Steady-On function
- Single colour LEDs with extraordinary brightness and colour
- Fluorescent body with reflective strip gives increased visibility
- Clear fresnel lens with specialised high performance design/360 visibility
- No point fixation and distance judgment issues
- Unlike a pyrotechnic flare there are no toxic fumes or residue

eflare® | 700 Beacons

> **2 D Cell batteries**
> 40+ hours

> **Low battery indicator**

> **Dual Function**
> Easy switching between flash or steady-on,
> single dual colours or torch

> **Range of colours**
> Red, Amber, Green, Blue, White or
> dual flash combinations

Specifications	
Beacon	700
Body colour	Yellow
LED colour options	Red, Amber, Blue, Green, White or combination of dual flash
Candela	25 to 80
No. of LEDs	8
Flash Rate	165 to 185 fpm
Battery type	2 x D Cell Alkaline (not included)
Battery life	40 hours at peak brightness
Weight	450 g including batteries
Height	20 cm
Low Battery indicator	@ 20% battery life

Key Features

- Flash or Steady-On function
- Single colour LEDs with extraordinary brightness and colour
- 40+ hour battery life
- Fluorescent body with reflective strip
- Clear fresnel lens with specialised high performance design/360 visibility
- No point fixation and distance judgment issues
- Unlike a pyrotechnic flare there are no toxic fumes or residue

280/290 Series Beacons

Function	Model No.	Light Colour	Candela	LED Qty	Weight (Inc. Batt)	Height	Flash Rate	Battery	Battery Life
Flash or Steady-on	AT280R / AT290R	● Red	Flash:60 Steady on:20	8	(AT280) 240 g	15 cm	165-185 fpm	4 x AA Cell	20+ hours
	AT280A / AT290A	● Amber	Flash:70 Steady on:25						
	AT280B / AT290B	● Blue	Flash:18 Steady on:10						
	AT280G / AT290G	● Green	Flash:40 Steady on:13						
	AT280W / AT290W	○ White	Flash:80 Steady on:25						
Dual colour flash	AT283RB / AT293RB	● Red/Blue	30	4+4	(AT290) 260 g	20 cm			
	AT283RA / AT293RA	● Red/Amber	35						
	AT283RW / AT293RW	◐ Red/White	40						
	AT283BW / AT293BW	◐ Blue/White	40						
	AT283AW / AT293AW	◐ Amber/White	40						

700 Series Beacons

Function	Model No.	Light Colour	Candela	LED Qty	Weight (Inc. Batt)	Height	Flash Rate	Battery	Battery Life
Flash or Steady-on	AT700R	● Red	Flash:60 Steady on:20	8	440g	20 cm	165-185 fpm	2 x D Cell	40+ hours
	AT700A	● Amber	Flash:70 Steady on:25						
	AT700G	● Green	Flash:40 Steady on:13						
	AT700W	○ White	Flash:80 Steady on:25						
	AT700B	● Blue	Flash:18 Steady on:10						
Dual colour flash	AT730RB	● Red/Blue	35						

The World's Most Advanced Intrinsically Safe Beacons

e-flare® | Special Order Beacons

280/290 Series Beacons

Function	Model No.	Light Colour	Candela	LED Qty	Weight (Inc. Batt)	Height	Flash Rate	Battery	Battery Life
Flash only	AT281R / AT291R	● Red	60						
	AT281A / AT291A	● Amber	70						
	AT281B / AT291B	● Blue	18						
	AT281G / AT291G	● Green	40						
	AT281W / AT291W	○ White	80	8	(AT280) 240 g	15 cm	165-185 fpm	4 x AA Cell	20+ hours
Steady-on	AT282R / AT292R	● Red	20						
	AT282A / AT292A	● Amber	25		(AT290) 260 g	20 cm			
	AT282B / AT292B	● Blue	10						
	AT282G / AT292G	● Green	13						
	AT282W / AT292W	○ White	25						
Dual colour Flash	AT283RG / AT293RG	◗ Red/Green	30						
	AT283AB / AT293AB	◗ Amber/Blue	35						
	AT283GW / AT293GW	◗ Green/White	35	4+4					
	AT283BG / AT293BG	◗ Blue/Green	40						
	AT283GA / AT293GA	◗ Green/Amber	40						

700 Series Beacons

Function	Model No.	Light Colour	Candela	LED Qty	Weight (Inc. Batt)	Height	Flash Rate	Battery	Battery Life
Flash	AT710R	● Red	60						
	AT710A	● Amber	70	8	440 g	20 cm	165 - 185 fpm	2 x D Cell	40 + hours
Steay on	AT720R	● Red	20						
	AT720A	● Amber	25						

TB10 Beacons

Function	Model No.	Light Colour	Candela	LED Qty	Weight (Inc. Batt)	Height	Flash Rate	Battery	Battery Life
Flash only	TB10R	● Red	25	3	100 g	13 cm	160 fpm	1 x AA Cell	20 + hours
	TB10A	● Amber	40						

> Add more flexibility to your Eflare
> with our range of accessories!

Accessories

		Accessory	Function			Accessory	Function
		Rubber base mount 500-017	General purpose mount for all Eflare Beacons			1-way fabric hood 500-158	Contains beam to one direction
		Aviation base mount 500-065	Secure mount for special purposes			2-way fabric hood 500-157	Contains beam to two directions
		Rail Base Mount 500-166	Secure magnetic mount for rail industry			Daylight Hood for 500 series 500-060 Daylight Hood for 700 series 500-168	Attaches to any Eflare Beacon for limiting spread of light beam
		Magnetic base cap compact series 500-161	For use with 280 series. (not suitable for moving vehicles)			Small Eflare bag 500-048	Carry bag for 2 to 3 beacons plus accessories
		Cone clip 500-170 Notchewd cone top variation clip available on request 500-170	Attaches to any Eflare Beacon to enable vertical positioning of the beacon on most types of cones			Large Eflare bag 500-160	Carry bag for 4 to 6 beacons plus accessories
		Magnetic base cap standard series 500-067	Combined Magnetic Base and Cap. Can be used with any Eflare Beacon. Rated to 80 KPH when securely mounted on vehicle			Shoulder strap 500-167	135 cm total length for personal carrying options
		Magnetic clip 500-059	Attaches to any Eflare Beacon. Not suitable for moving vehicles			Floatation collar & lanyard 500-069 & 500-070	Fits any size beacon (except 280 series) Provides reliable self-righting buoyancy for marine use

e-flare | Light Beam Profile

Eflare Light Beam Profile At Short & Long Distances
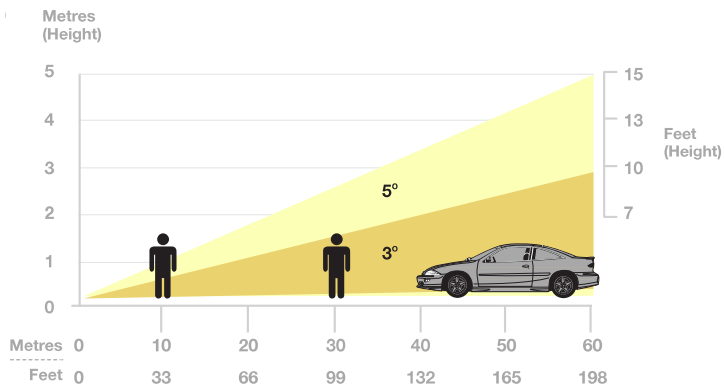
> The Eflare patented lens is designed to ensure that the light output is maximized for safety.

> The 0 to 5 degree profile gives a peak output at 3 degrees and is highly conspicuous over long distances, effective for more than 1 kilometre.

> This special profile ensures it will not dazzle or impede the vision of users at short range unless the beacon is positioned at eye level.

Peak 3 degree light beam is 5m (16 feet) high at 100m (330 feet) distance.

Light beam can be seen at 4,000 feet altitude at a distance of 7 nautical miles in low ambient light conditions.
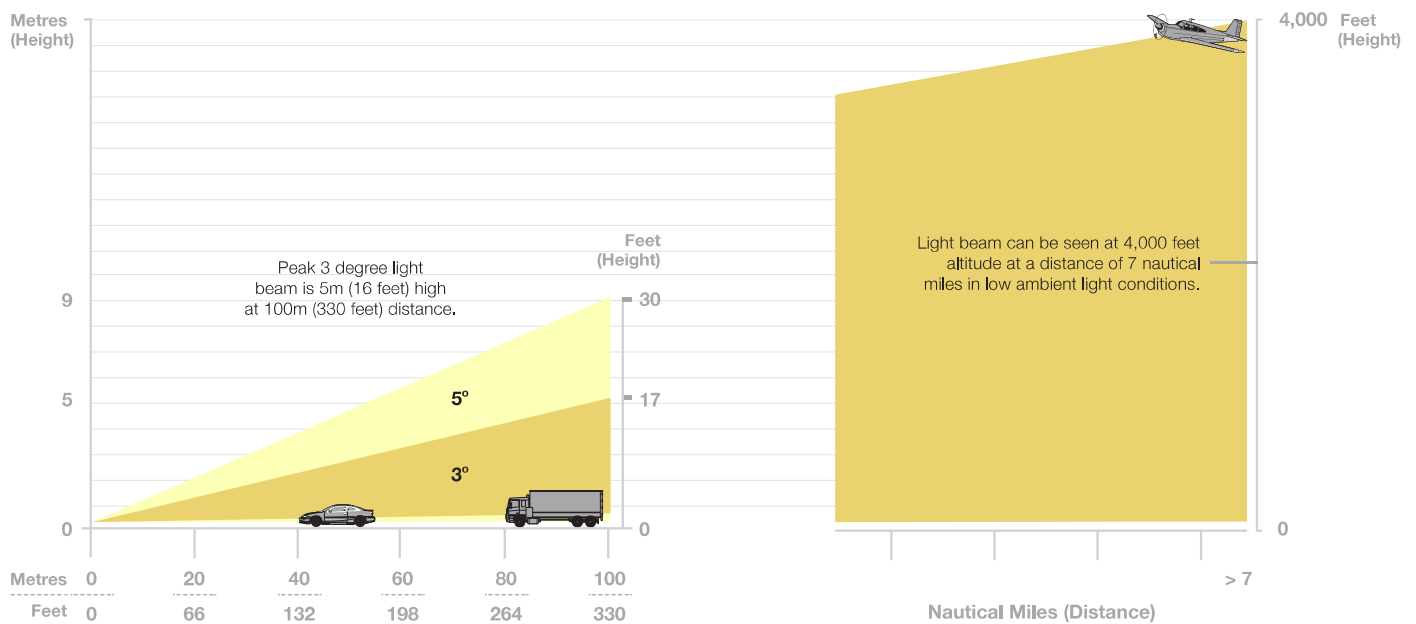
e-flare | Low Battery Indicator (LBI) for 700 and 800 Beacons

> The Eflare is designed to maintain constant peak brightness during the operation of its LEDs for each beacon type over the life of the batteries.

> This is one of the key features of the Eflare circuitry.

> Battery life by beacon type is included in the Product Specification Chart listed on the Eflare website www.eflarecorp.com

> Peak brightness will be maintained until approximately 80% of battery power has been used causing a drop in battery voltage. At this stage the Low Battery Indicator (LBI) will start to flash indicating that it is time to replace the batteries.

> The LBI will continue to flash with the other LEDs (either in flash or steady on mode) for approximately a further 2 hours at which time the beacon LEDs will cease to operate leaving only the LBI flashing.

> For maximum performance of your Eflare always use only high quality Alkaline batteries.

Low Battery Indicator (LBI)
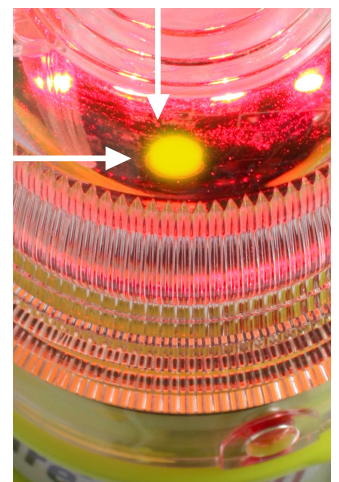
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PROTECTIVE INDUSTRIAL PRODUCTS, INC.
968 Albany Shaker Road | Latham, NY 12110
Customer Service Direct | 855-284-6800
customerservice@pipusa.com | www.pipusa.com

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