



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

PRODUCT CATALOGUE 2020/21

The World's Most Advanced Intrinsically Safe Beacons

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BE SEEN - BE SAFE®

Eflare High Performance Professional Beacon

ATEX/IECEX approved



Patented fresnel lens to maximise beam conspicuity, 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 fluoro body to maximise 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 maximise 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.

Eflare Corporation
Pty Ltd
Victoria, Australia
Eflare Safety
Beacon
CE & II 3G
Ex ic II C T4 Gc
-20°C ≤ Ta ≤ +40°C
ITS10ATEX 27129
IECEX TSA 11.0023
S/N 006059
YR 2011

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.

For 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



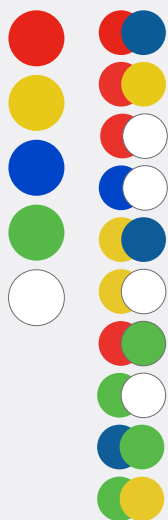
Batteries

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)

- > 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
Weight: 240g

Height: 20cm
Weight: 260g

Height: 22cm
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

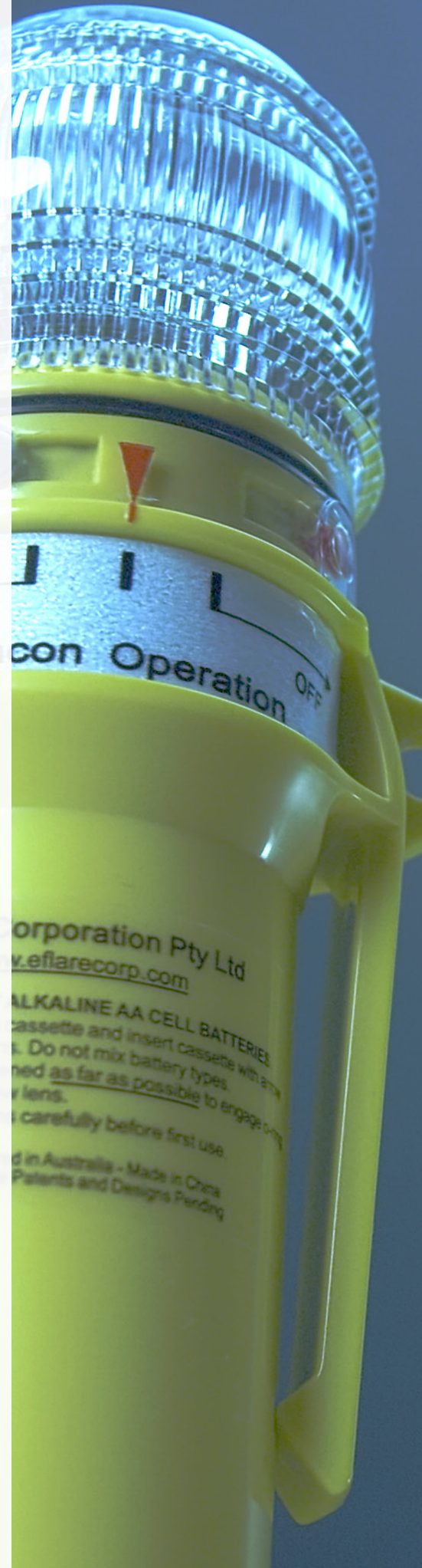
- Blasting Operations
- Vehicle Breakdown
- Indication of cross carts and draw points
- Boom Gate Identification
- Vehicle Safety Kit
- Hazard Identification
- Fuel Spills

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

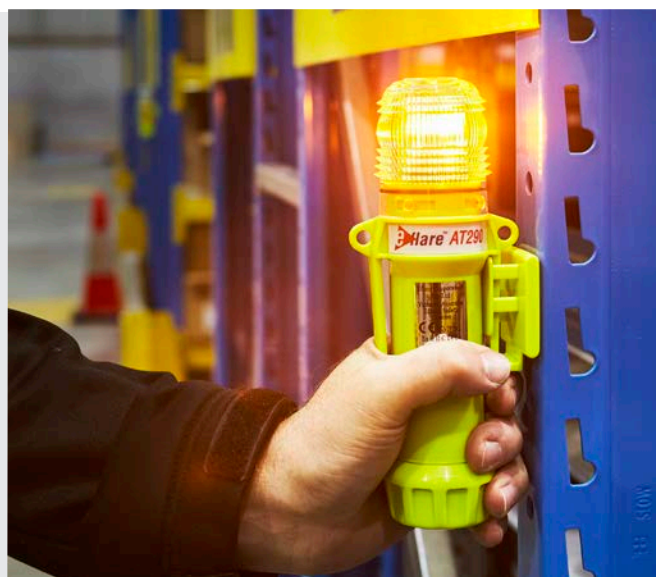
The Eflare AT700B series beacon is specifically designed for Network Rail in the UK for the purpose of demarcating residual electrical hazards and/or limits of isolation. This range of products carries full Network Rail Product Acceptance and can be used in multiple locations during maintenance or construction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

eflare® | 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
- Fluoro 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



- > **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
- Fluoro 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 | 165-185 fpm | 4 x AA Cell | 20+ hours |
| | 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

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 | 8 | (AT280) 240 g (AT290) 260 g | 15 cm 20 cm | 165-185 fpm | 4 x AA Cell | 20+ hours |
| | AT281A / AT291A | ● Amber | 70 | | | | | | |
| | AT281B / AT291B | ● Blue | 18 | | | | | | |
| | AT281G / AT291G | ● Green | 40 | | | | | | |
| | AT281W / AT291W | ○ White | 80 | | | | | | |
| Steady-on | AT282R / AT292R | ● Red | 20 | | | | | | |
| | AT282A / AT292A | ● Amber | 25 | | | | | | |
| | AT282B / AT292B | ● Blue | 10 | | | | | | |
| | AT282G / AT292G | ● Green | 13 | | | | | | |
| | AT282W / AT292W | ○ White | 25 | | | | | | |
| Dual colour Flash | AT283RG / AT293RG | ● Red/Green | 30 | 4+4 | | | | | |
| | AT283AB / AT293AB | ● Amber/Blue | 35 | | | | | | |
| | AT283GW / AT293GW | ● Green/White | 35 | | | | | | |
| | 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 | 8 | 440 g | 20 cm | 165 - 185 fpm | 2 x D Cell | 40 + hours |
| | AT710A | ● Amber | 70 | | | | | | |
| Steady 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!

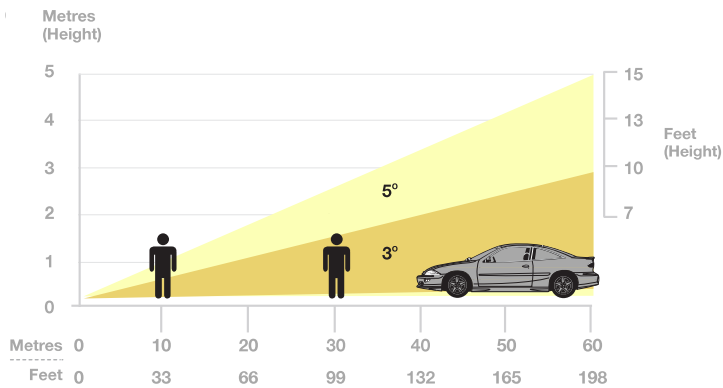


Accessories

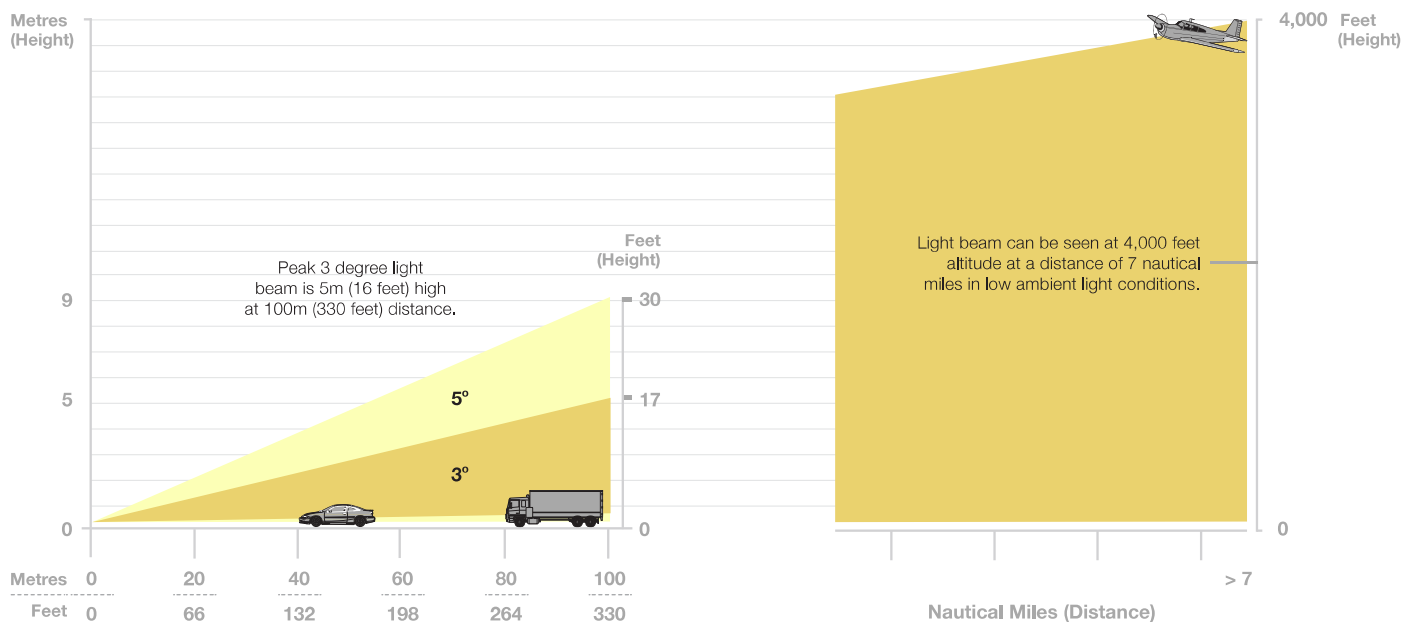
| Image | | Accessory | Function | Image | | Accessory | Function |
|-------|--|--|--|-------|--|--|--|
| | | Rubber base mount 500-017 | General purpose mount for all Eflare Beacons | | | 1-way fabric hood 500-158 | Contains beam to one direction |
| | | Aviation base mount 500-065 | Secure mount for 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 | 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 |

Eflare® | Light Beam Profile

Eflare Light Beam Profile At Short & Long Distances



- > The Eflare patented lens is designed to ensure that the light output is maximised 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.

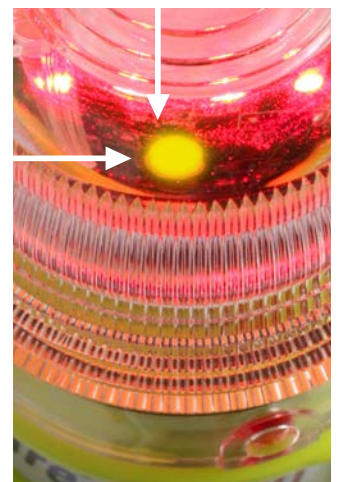


Eflare® | Low Battery Indicator (LBI) for 700 and 800 Beacons

- > 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)





EMERGENCY SERVICES



RAIL



INDUSTRIAL & UTILITIES



MINING



AVIATION & MILITARY



TRANSPORT & LOGISTICS

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