

# Pro-B-LITE

## SEQUENTIAL EMERGENCY SERVICES LAMP

Independently-proven to improve night-time temporary work zone and incident lane closure safety. Improves lane discipline and reduces average speed on approach to closed off zone by affording better driver recognition of the merging taper.



An emergency services and utilities favourite, the Pro-B-LITE has compacted the work zone SynchroGUIDE technology into a rechargeable 5 lamp set.

No master slave arrangement or interconnecting wires, rapidly deploys and repacks in any order with the same results everytime.



The Pro-B-LITE fits easily in the trunk of most vehicles and trickle charges via 12V outlet to ensure continuous availability for rapid and safe deployment in an emergency. Lamps drop into the ProBase 5 charging tray (supplied) and make charge contact automatically.

The Pro-B-Lite 5 pack rechargeable lamp kits are available in blue, red or amber and are always ready for simple quick deployment.

What sets the Pro-B-Lite series apart from other types of flashing warning lights is the unique intelligent wireless sequential operation of the lights in forming a clear directional path for traffic during lane closures.

Each lamp automatically recognizes where it sits in the deployed chain with no master slave relationship. Proven to improve driver recognition of the merging taper the Pro-B-LITE helps meet a commitment to the well being and safety of all traffic participants.



Independently proven to significantly improve driver lane discipline approaching high speed lane closures.

- Unique independently field proven technology
- Intelligent wireless technology - no wires
- Deploys in any order - no master or slave
- Dynamic directional taper guide for drivers
- Reliable alternative to flares
- ITE, VCA and NCHRP 350 crash compliant
- 5 lamp rechargeable kit always ready for quick deployment
- 3 sets of kits can be deployed for larger lane closures
- FHWA MUTCD 6.F.13 Compliant

# Pro-B-LITE

## Specifications

<b>Part code</b>	PSB6N/BO/P/H/AA (BLUE) PSB6N/AO/P/H/AA (AMBER) PSB6N/RO/P/H/AA (RED) ProBASE 5 Charger, PD65.64002
<b>Display Technology</b>	High Intensity Single Super bright LED. Visible in all lighting conditions, current controlled to maintain a constant light output as the battery Voltage drops. High clarity Uni-Directional self colored polycarbonate lens with super bright single LED technology.
<b>Power Supply</b>	Initial current drawn (assuming 5 lamps are charged) – 750mA max @13.6V DC. Lamps fully charged 16 hours, recommended in line fuse 2 amp.
<b>ProBASE 5</b>	Designed to fit comfortably into the trunk of any vehicle, manufactured from high impact ABS with built in stainless steel contacts giving corrosion free operation. When lamps require recharging the user simply places the lamps either way round in a vacant space, the charge indicator lamp will illuminate to indicate charging is taking place. Contact is made automatically, circuitry is incorporated into each lamp to regulate charge. 3m(6") 12V charging lead with adaptor supplied.
<b>Flash Rate</b>	60 Flashes per minute.
<b>Operating time on full charge</b>	Blue in excess of 7 hrs, Amber and Red in excess of 24 hrs
<b>Independent Data on improved lane discipline</b>	It has been independently proven that sequential warning lights provide better driver recognition of the merging taper, reducing last minute lane change behavior and taper incursions.
<b>Operating Temperature</b>	-35°C to +74°C All circuitry within the lamps is fully 'burn in' tested for 24 hrs @ +/- 45°C and moisture protected.
<b>Weight</b>	Each lamp is 0.69kg. (1.5lbs)
<b>Mechanical</b>	Polypropylene body giving a very robust case in all extremes of ambient temperature the lenses are manufactured from high impact polycarbonate with blue, red and amber colour options. All lamps come with carrying handle fitted as standard.
<b>Dimensions</b>	Dimensions are for 5 lamps complete with charger base - 217mm (8 ½") wide x 475mm (19") long x 340mm (14") high.

## Operation

Ensure the lamps are fully charged before operation. The lamps may be switched on (by pressing the concealed switch) and placed in any order as there is no master lamp. Up to 15 lamps may be placed in line with a spacing between each lamp from 2.2M (7') up to 10M (33').

It is essential that all of the opaque lenses face in the same direction. The lamps may be placed with a stagger of up to 1.5M (5'). The lenses may be rotated on the body for lower centre of gravity and better road adhesion when deployed on a camber or as and when deemed required.

The LITE has been designed with a tough polypropylene body giving a very robust battery case in all extremes of ambient temperature.

The lenses are manufactured from high impact polycarbonate with various colour options. The standard choices being Amber, Red and Blue. Each light source is a single high output LED, current controlled to maintain a constant light output as the battery voltage drops.

Each lamp has its own charging circuit built in which is charged using the ProBase 5 charging tray. Lamps drop into the tray and make charge contact automatically, each ProBase 5 comes with 6ft (3 metre) charging lead and 12v adaptor. When the lamps are placed in line, they give the impression of a single light source travelling along the lamps from front to back.

