Pro-B-LITE

SEQUENTIAL EMERGENCY SERVICES LAMP

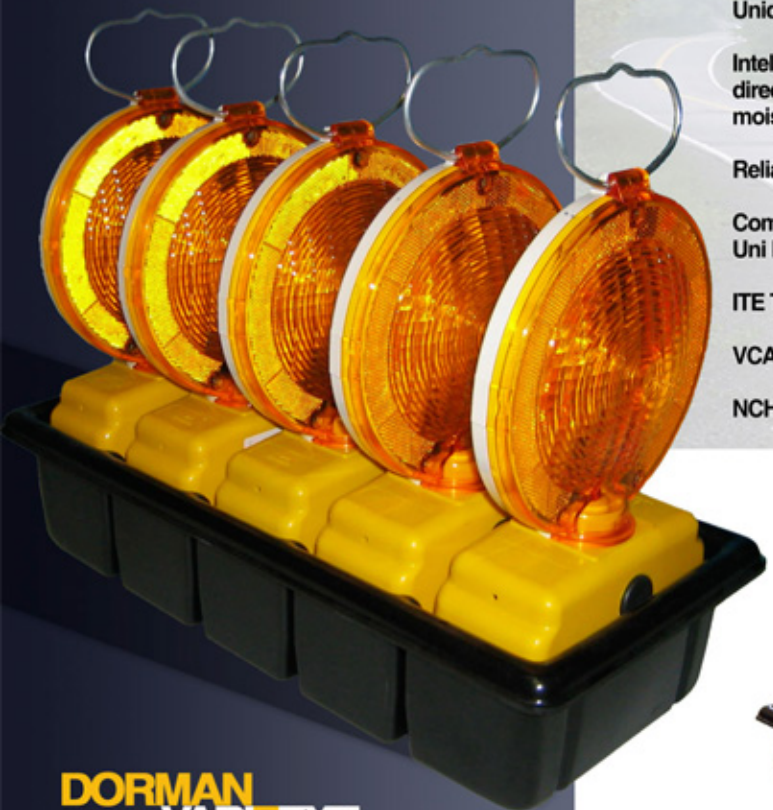
Independently-proven to improve lane discipline during emergency incident lane closures, providing the safest possible environment for first responders and traffic incident participants at all times of day and road speed.*

** refer to TRL report*

An emergency services favorite, the Pro-B-LITE VATCS has compacted the workzone synchroGUIDE technology into a rechargeable 5 lamp set. No master slave arrangement or interconnecting wires, rapidly deploys and repacks in any order with same results every time.

The Pro-B-LITE set 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 Pro Base 5 charging tray (supplied) and make charge contact automatically.

The Pro B-LITE lenses are available in blue, red or amber and are seen as the obvious advancement and replacement for flares, no more concerns of causing a fire hazard or burning out before the incident has been safely managed plus what really sets the Pro-B-LITE series apart from other types of static warning lights or signs is the unique LED directional wireless guide where each lamp wirelessly automatically recognizes where it sits in the deployed chain with no master slave relationship. This LED directional guide, is independently proven to improve driver lane discipline in lane closures on high speed roads and affords first responders the confidence in the knowledge that the best technology available is deployed in attempting to match their own unparalleled service commitment to the well being and safety of all traffic incident participants.



- **Unique independently field proven technology**
- **Intelligent wireless technology provides LED sequential directional guide Burn in tested for 24 hrs at +/-45° C and moisture protected**
- **Reliable, Safe alternative to flares**
- **Computer designed high clarity polycarbonate Uni Directional Lens**
- **ITE Type B Lamp compliant**
- **VCA Compliant**
- **NCHRP 350 Crash compliant**

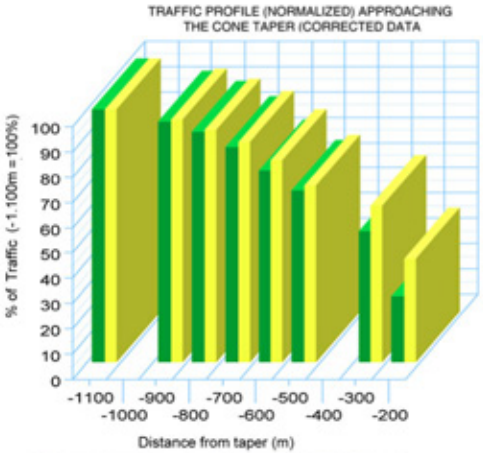
- **Up to 3 sets can be deployed in sequence to allow a 15 lamp taper to be constructed for multiple lane closures.**
- **Optional cone bracket is available to raise lamp if required (not supplied as standard).**
- **Normal mode of fast deployment as ground mounted units, Lens can be rotated on body to lower centre of gravity as depicted.**
- **Fits comfortably in the trunk of vehicle with 12V lead and adaptor.**
- **Lamps can be staggered and placed in any order to give impression of a single light source travelling from font to back.**

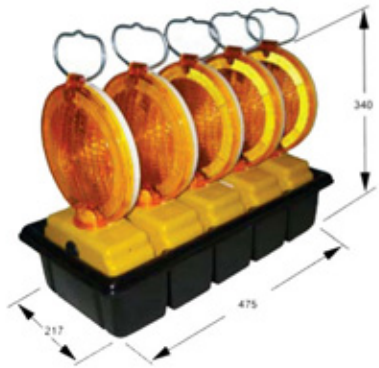
Independently proven to significantly improve driver lane discipline approaching high speed lane closures. Visit our website to see video of units in operation.

DORMAN VARITEXT

Pro-B-LITE

SEQUENTIAL EMERGENCY SERVICES LAMP





OPERATION

Ensure the lamps are fully charged before operation. The lamps may 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 same direction. The Lamps may be placed with a stagger of up to 1.5M (5'). The lens 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. A steel thief proof bolt passes through the body of the lamps requiring a special key for removal - discouraging vandalism.

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 ProBase5 comes with 3M (6') charging lead and 12 V 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.

DORMAN VARITEXT

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SPECIFICATIONS

Part code	PSB6N/BO/P/H/AA (BLUE) PSB6N/AO/P/H/AA (AMBER) PSB6N/RO/P/H/AA (RED) ProBASE 5 Charger, PD65.64002
Display Technology	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.
Power Supply	Initial current drawn (assuming 5 lamps are charged) - 750mA max @ 13.6V DC. Lamps fully charged 16 hours, recommended in line fuse 2 amp.
ProBase 5	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 into 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.
Flash Rate	60 Flashes per minute.
Operation time on full charge	Blue in excess of 7 hours , Amber and Red in excess of 24 hrs.
Independent Data on Improved lane discipline	A UK TRL (Transportation Research Laboratory) independent field study conducted during 2002 on the analysis of the safety benefit of deploying sequential Dorman SynchroGUIDE lamps as oppose to static lamps involved alternating the deployment of both types of lamp at the same location over the same night-time periods of between 22:00 to 0300 hrs over a 2 week period. Loops were stationed every 100M in the closed lane from the entrance to the lamps up to 1100m, the graph opposite shows the traffic counts recorded at every 100m intervals from the zone entrance. The yellow bar is for static lamp and the green bar is for the sequential Dorman SynchroGUIDE lamp. The results were an impressive endorsement for the technology with a significant improvement on driver lane discipline in advance of the safety zone with deployment of the sequential lamps. The effectiveness of the sequential lamps is seen consistently from a point 500M from the taper, but also has an effect in half the cases at 600M from the taper.
Operating Temperature	-35 to 74°C. All circuitry within the lamps is fully 'burn in' tested for 24 hrs @ +/- 45°C and moisture protected.
Weight	0.69Kgs (1.5Lbs) per lamp.
Mechanical	Polypropylene body giving a very robust case in all extremes of ambient temperature the lenses are manufactured from high impact polycarbonate with various colour options. All lamps come with carrying handle fitted as standard.
Dimensions	217mm (8 1/2 ") wide x 475mm (19") long x 340mm (14") high.