

# Work Zone Safety - ConeLITE Synchro

Enhancing work zone and incident lane control safety  
with innovative technology



- Unique independently field proven technology
- FHWA MUTCD 6F.83 08 compliant
- Deploy in any order - no master or slave
- Delivers safer driver approach speeds
- Offers continual delineation of any taper length or layout
- Intelligent wireless technology - no wires
- IMASH crash tested - HSST/WZ-339 and ITE
- Optical performance tested
- Cone activates lamp for fast deployment

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## Work Zone Safety Sequential Taper Guide

Independently proven to significantly improve driver lane discipline approaching high speed lane closures, the ConeLITE Synchro lamp kits are available in blue, red or amber and are always ready for simple quick deployment.

What sets the ConeLITE Synchro 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 ConeLITE Synchro helps meet a commitment to the well being and safety of all traffic participants.

## Technology that leads by example

An emergency services and utilities favourite, the ConeLITE Synchro has incorporated the work zone SynchroGUIDE technology into a unique style of lamp which simply and quickly drops into position on the cones in the taper.

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

The action of placing the light on the cone also activates the light. The 6V single battery compartment was created by folding the body/handle of the lamp up through itself, presenting easy access for install and replacement of the battery and carrying of the light.



## Technical Data

<b>Model Reference</b>	CSB6N/BB/P/N/LA (BLUE)
	CAB6N/AA/P/N/LA (AMBER)
	CSB6N/RR/P/N/LA (RED)
<b>Display Technology</b>	High Intensity Single Super bright LED visible in all lighting conditions and currently controlled to maintain a constant light output as the battery Voltage drops. The lamps combine a steady Type C low intensity continuous backlight to illuminate the taper and aid direction indication, this backlight is then overlaid with a sequential Type B high intensity pulses so when the lamps are placed in a line they give the impression of a single light source travelling along the lamps from front to back. High clarity Uni-Directional self colored polycarbonate lens. Optically compliant with MUTCD ITE standards. (Installation guide available on request.)
<b>Power Supply</b>	Nominal Voltage 6V Alkaline Battery type ANSI 908 or equivalent
<b>Flash Rate</b>	60 Flashes per minute.
<b>Operating time</b>	Continuous operating life from single DAAB25 550hrs, DAAB50 1100hrs
<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 approach speeds, improving driver lane discipline and reducing taper incursions.
<b>Operating Temperature</b>	-30 to 169°F (-34 to 74°C). All circuitry within the lamps is fully 'burn in' tested for 24 hrs @ +/- 45°C and moisture protected.
<b>Weight</b>	455g (1lb)
<b>Mechanical</b>	Polypropylene body giving a very robust case in all extremes of ambient temperature the lenses are manufactured from high impact polycarbonate. Carrying handle incorporated into the body of lamp.
<b>Crash Rating</b>	Tested to MASH requirements (HSST/WZ-339)
<b>Dimensions</b>	Height including handle 209mm (8.2"), length 242mm (9.5") , External diameter 195mm (7.6")



## Operation

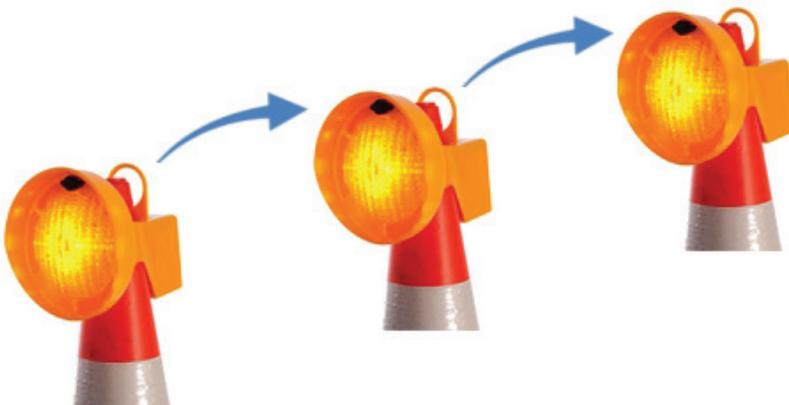
**Insert 6V battery into lamp in any orientation and pull handle of lamp through body to secure battery in place.**

Lamps are dropped onto cones in taper at a spacing of between 2.2m (7') up to a maximum of 20m (65').

The action of placing lamp on cone automatically activates the lamp.

To create the desired sequential directional guide, it is essential that the lamps all face in the same direction in the taper with a maximum stagger of 2m (6.5').

When the lamps are placed in a line, they give the impression of a single light source travelling along the lamps from front to back.



## About Unipart

The Unipart Group is a leading UK manufacturer, full service logistics provider and consultant in operational excellence. Operating across a range of market sectors, including automotive, manufacturing, mobile telecoms, rail, retail and technology, Unipart offers a breadth of services to a wide range of blue chip clients internationally.

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