

WHELEN[®]

ENGINEERING COMPANY INC.

TIR3™ & LINZ6™ Super-LED® Wing Plow Lights

51 Winthrop Road,
Chester, Connecticut 06412-0684
Phone: (860) 526-9504

Internet: www.whelen.com
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Customer Service e-mail: custserv@whelen.com

⚠ WARNING: This product can expose you to chemicals including Methylene Chloride which is known to the State of California to cause cancer, and Bisphenol A, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

Installation:

Place the light assemblies in the outside crevice of the outermost reinforcement brace in the approximate positions shown. Make sure the lighthead cable is positioned in the cable notch and that the housing is in full contact with the plow.

With the housings in place, use an awl (or similar tool) to scribe the mounting hole locations (2 per housing) onto the mounting surface. Remove the housings and with a 9/32" drill bit, drill the required mounting holes through the mounting surface.

Return the housings to their mounting locations and secure using the hardware provided.
NOTE: Be sure to insert the mounting bolt though the mounting hole from the front of the plow.

Wiring:

Route the lighthead cables, choosing a manner and path to prevent damage by and interference from any existing equipment. See table at right for wiring information:

(Continued on reverse)



Lighthead Wiring

Color	Function
WHT/BLK	To Chassis Ground
BROWN	To +12VDC (fuse @ 3A)
WHT	Scan-Lock™
BLUE	Sync

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Form No.13878C (113011)

For warranty information regarding this product, visit www.whelen.com/warranty

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WARNING! All customer supplied wires that connect to the positive terminal of the battery must be sized to supply at least 125% of the maximum operating current and FUSED at the battery to carry that load. DO NOT USE CIRCUIT BREAKERS WITH THIS PRODUCT!

Operation -

Scan-Lock™ - TIR3™ and LINZ6™ Super-LED® lightheads have a special set of flash patterns, with each pattern available in two modes; Phase 1 and Phase 2. The patterns are changed with the WHT wire.

To advance to the next pattern, apply +12VDC to the WHT wire for less than 1 second. **To cycle backwards to previous patterns**, apply +12VDC for more than 1 second.

To reset to the factory default pattern, begin by turning off power to the lighthead. While applying +12VDC to the WHT wire, turn the lighthead back on. Continue to apply voltage to the WHT wire for 5 seconds.

All lightheads configured to display the Phase 1 mode of a given pattern will flash simultaneously. Any lightheads configured to display the Phase 2 mode of a pattern, will alternate with any Phase 1 lightheads with the same pattern.

Sync - To sync two lightheads, configure both lightheads to display the same Phase 1 pattern. With the power off, connect the BLUE wires from each lighthead together. When the lightheads are activated, their patterns will be synchronized. To configure the two lightheads to alternate their patterns, advance the pattern of either lighthead to the Phase 2 mode of the current pattern.

To understand how to use the SYNC feature with more than 2 lightheads, the principles will be applied to a sample system consisting of 4 lightheads with 2 mounted on the rear, driver side of the vehicle and 2 mounted on the rear, passenger side of the vehicle.

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To understand how to use the SYNC feature with more than 2 lightheads, the principles will be applied to a sample system consisting of 4 lightheads with 2 mounted on the rear, driver side of the vehicle and 2 mounted on the rear, passenger side of the vehicle.

With all the wiring complete, turn on the 4 lightheads. As shipped from the factory, all the lightheads will simultaneously display the same pattern (SignalAlert™ 75 / Phase 1).

To configure, for example, the passenger side lightheads to alternate with the driver side lightheads, change the flash patterns for either the passenger or driver side lightheads to Phase 2 mode of the same pattern.

SYNC Flash Patterns: SignalAlert™ 75 / Phase 1 > SignalAlert 75 / Phase 2 > CometFlash® 75 / Phase 1 > CometFlash 75 / Phase 2 > DoubleFlash 75 / Phase 1 > DoubleFlash 75 / Phase 2 > SingleFlash 75 / Phase 1 > SingleFlash 75 / Phase 2 > ComAlert™ 75 / Phase 1 > ComAlert 75 / Phase 2 > LongBurst™ 75 / Phase 1 > LongBurst 75 / Phase 2 > PingPong™ 75 / Phase 1 > PingPong 75 / Phase 2 > **Regular Flash Patterns:** SingleFlash 60 > SingleFlash 90 > SingleFlash 120 > SingleFlash 300 > DoubleFlash 150 > ComAlert™ 150 > ActionFlash 1 > ActionFlash™ 2 > ModuFlash™ > ActionScan™ > Steady

IMPORTANT! It is the responsibility of the installation technician to make sure that the installation and operation of this product will not interfere with or compromise the operation or efficiency of any vehicle equipment!

IMPORTANT! Before returning the vehicle to active service, visually confirm the proper operation of this product, as well as all vehicle components/equipment.

IMPORTANT WARNING!

CAUTION! DO NOT LOOK DIRECTLY AT THESE LEDS WHILE THEY ARE ON. MOMENTARY BLINDNESS AND/OR EYE DAMAGE COULD RESULT!

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