



MANUFACTURED  
**WHELEN**<sup>®</sup>  
IN AMERICA

# DOT-LED<sup>™</sup> Lighting Systems



- All Whelen DOT3® Legal Lighting Systems are certified by an AMECA-accredited testing laboratory to meet or exceed SAE Class 1 warning lighting requirements in the appropriate specified safety colors.
- Super-LED® systems offer all the impact of strobe with low amp draw.
- High and wide lighting profile identifies and defines the size and speed of a highway vehicle.
- Increased rear-end visibility with wide-angle long lasting Super-LED lighthoods visible even when dump body is in raised or lowered position, including forward dump bodies.
- All warning lighthood colors are amber. For other colors, contact factory.

- The system offers multiple flash patterns and sequence options to provide improved reference for motorists in determining the distance to and location of maintenance vehicles.
- Each system includes complete installation kit, including cable harnesses.
- Five year HDP® Heavy-Duty Professional warranty.



*Over twelve hundred American employees in two facilities, one in New Hampshire and one in Connecticut, proudly design and manufacture Whelen products from top to bottom.*

## Take a closer look at why Whelen DOT3® Systems are DOT tough!

Every component in your DOT3 System was designed with the harsh environments, hazardous driving conditions and long hours of operation in mind. Field tried and tested, these lighting systems are sold as a complete package to assure the unbeatable performance you require.



Waterproof, oil and corrosion-resistant tin coated, pure copper stranded conductors used in all TPE cables. Each wire strand in each cable is tin coated for the full length of the cable, providing superior longevity. Designed to last for the life of the vehicle. Optional cable lengths are available.



A 12" protective section of flex-tubing and coupling to the housing prevents cable chafing.



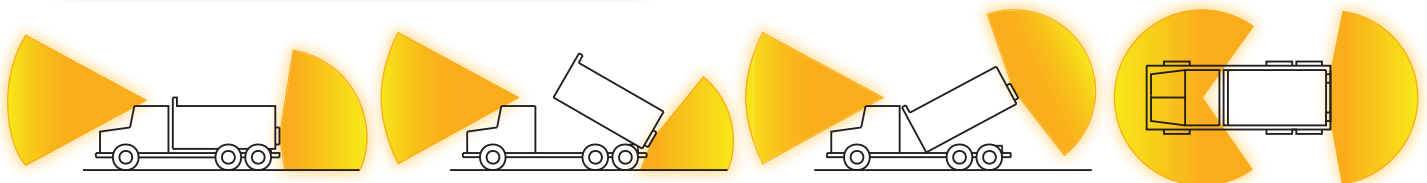
400 & 700 Series lighthouse housings are 7 gauge and 500 Series are 11 gauge welded stainless steel. You may choose optional welded aluminum housings.



**DOT-LED FLASHER/JUNCTION BOX**  
Centralized DOT Flasher for total system control. Offers various flash patterns, system flash sequence, and switching flexibility. The flasher also provides onboard Diagnostix™. Size: 6" (152mm) H x 2.62" (67mm) D X 8.41" (213mm) L.



Top of the line Deutsch® waterproof connectors furnished with all rear lighthoods.



Wide angle lighthoods give visibility with the dump box in raised and lowered positions.

# So rugged and reliable the system may outlast your vehicle!

Whelen DOT3® systems provide 360° of warning protection and emphasize rear-end visibility with high-impact directional Super-LED® lighting. Heavy-duty components are built to stand up to the extended periods of use. Harsh environments with water, chemicals, oils and salt exposure are all taken into consideration when designing these systems.

## DOT3 System Components

### Front System Components

Choice of four Super-LED models with 360° warning visibility for front coverage. Includes 60° of heavy-duty TPE cable.



### Rear Lightheads

Rear lightheads are offered in 3 sizes. Super-LED lightheads have specially designed lenses for wide light output. All lightheads are supplied with Deutsch® waterproof connectors. B/T/T lightheads include SignalAlert™ which flickers before turning steady-on for a more attention getting signal.

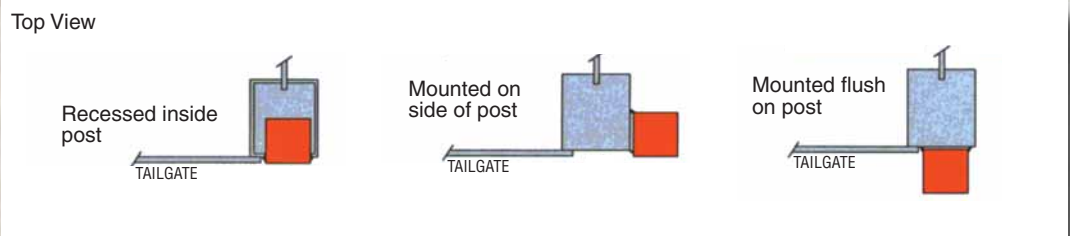


### Rear Housings

Rear mounted lightheads include 30' heavy-duty, oil resistant TPE jacketed cable with strain relief flex tubing and couplings that provide added safeguard against the elements. You have a choice of standard heavy-duty welded stainless steel or optional aluminum housings.



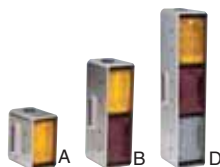
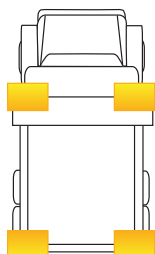
### Rear Lighthouse Housing Mounting Positions



# DOT3401, DOT3501 & DOT3701

## 4 Light System

Two Micro Freedoms with extended corner modules and two rear lighthouse options



### SYSTEM 401 with 400 Series Lighthoods

- DOT3401A ..... Warning
- DOT3401B ..... Warning and brake/tail/turn
- DOT3401D ..... Warning, brake/tail/turn and back-up



### SYSTEM 501 with 500 Series Lighthoods

- DOT3501A ..... Warning
- DOT3501B ..... Warning and brake/tail/turn
- DOT3501D ..... Warning, brake/tail/turn and back-up



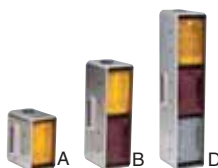
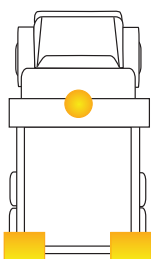
### SYSTEM 701 with 700 Series Lighthoods

- DOT3701A ..... Warning
- DOT3701B ..... Warning and brake/tail/turn
- DOT3701D ..... Warning, brake/tail/turn and back-up

# DOT3402, DOT3502 & DOT3702

## 3 Light System

One L31 remote beacon and two rear lighthouse options



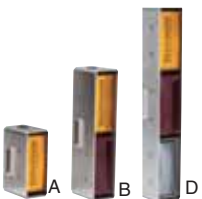
### SYSTEM 402 with 400 Series Lighthoods

- DOT3402A ..... Warning
- DOT3402B ..... Warning and brake/tail/turn
- DOT3402D ..... Warning, brake/tail/turn and back-up



### SYSTEM 502 with 500 Series Lighthoods

- DOT3502A ..... Warning
- DOT3502B ..... Warning and brake/tail/turn
- DOT3502D ..... Warning, brake/tail/turn and back-up



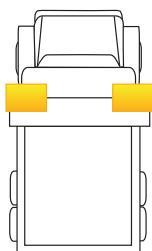
### SYSTEM 702 with 700 Series Lighthoods

- DOT3702A ..... Warning
- DOT3702B ..... Warning and brake/tail/turn
- DOT3702D ..... Warning, brake/tail/turn and back-up

# DOT3103

## 2 Light System

Two Micro Freedoms with extended corner modules



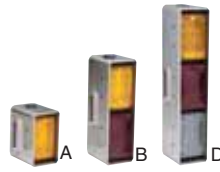
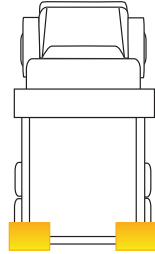
### SYSTEM 103

- DOT3103..... Two front amber warning lights

# DOT3404, DOT3504 & DOT3704

## 2 Light System

Two rear lighthead options



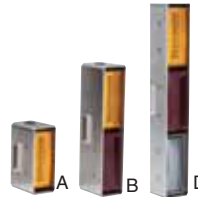
### SYSTEM 404 with 400 Series Lightheads

DOT3404A ..... Warning  
 DOT3404B ..... Warning and brake/tail/turn  
 DOT3404D ..... Warning, brake/tail/turn and back-up



### SYSTEM 504 with 500 Series Lightheads

DOT3504A ..... Warning  
 DOT3504B ..... Warning and brake/tail/turn  
 DOT3504D ..... Warning, brake/tail/turn and back-up



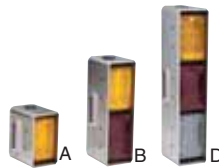
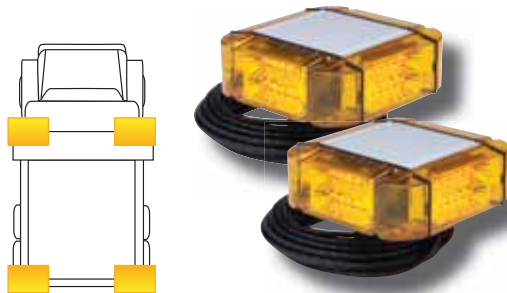
### SYSTEM 704 with 700 Series Lightheads

DOT3704A ..... Warning  
 DOT3704B ..... Warning and brake/tail/turn  
 DOT3704D ..... Warning, brake/tail/turn and back-up

# DOT3405, DOT3505 & DOT3705

## 4 Light System

Two Micro 400s and two rear lighthead options



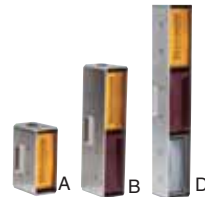
### SYSTEM 405 with 400 Series Lightheads

DOT3405A ..... Warning  
 DOT3405B ..... Warning and brake/tail/turn  
 DOT3405D ..... Warning, brake/tail/turn and back-up



### SYSTEM 505 with 500 Series Lightheads

DOT3505A ..... Warning  
 DOT3505B ..... Warning and brake/tail/turn  
 DOT3505D ..... Warning, brake/tail/turn and back-up



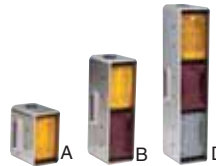
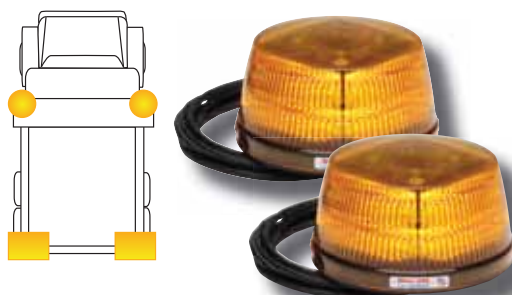
### SYSTEM 705 with 700 Series Lightheads

DOT3705A ..... Warning  
 DOT3705B ..... Warning and brake/tail/turn  
 DOT3705D ..... Warning, brake/tail/turn and back-up

# DOT3406, DOT3506 & DOT3706

## 4 Light System

Two L31 remote beacons and two rear lighthead options



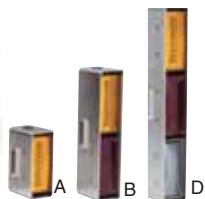
### SYSTEM 406 with 400 Series Lightheads

DOT3406A ..... Warning  
 DOT3406B ..... Warning and brake/tail/turn  
 DOT3406D ..... Warning, brake/tail/turn and back-up



### SYSTEM 506 with 500 Series Lightheads

DOT3506A ..... Warning  
 DOT3506B ..... Warning and brake/tail/turn  
 DOT3506D ..... Warning, brake/tail/turn and back-up



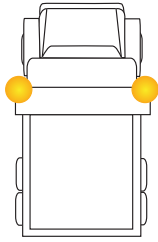
### SYSTEM 706 with 700 Series Lightheads

DOT3706A ..... Warning  
 DOT3706B ..... Warning and brake/tail/turn  
 DOT3706D ..... Warning, brake/tail/turn and back-up

# DOT3107

## 2 Light System

Two L31 Beacons



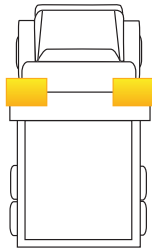
### SYSTEM 107

DOT3107.....Two front amber warning lights

# DOT3108

## 2 Light System

Two Micro 400s



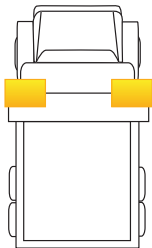
### SYSTEM 108

DOT3108.....Two front amber warning lights

# DOT3109

## 2 Light System

Two stainless steel Micro 400s



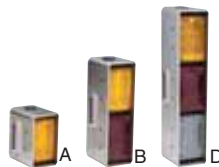
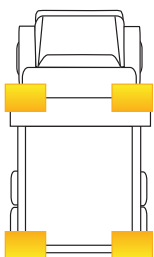
### SYSTEM 109

DOT3109.....Two front amber warning lights

# DOT3410, DOT3510 & DOT3710

## 4 Light System

Two stainless steel Micro 400s and two rear lighthouse options



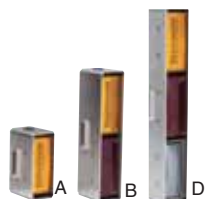
### SYSTEM 410 with 400 Series Lighthoods

DOT3410A .....Warning  
 DOT3410B .....Warning and brake/tail/turn  
 DOT3410D .....Warning, brake/tail/turn and back-up



### SYSTEM 510 with 500 Series Lighthoods

DOT3510A .....Warning  
 DOT3510B .....Warning and brake/tail/turn  
 DOT3510D .....Warning, brake/tail/turn and back-up



### SYSTEM 710 with 700 Series Lighthoods

DOT3710A .....Warning  
 DOT3710B .....Warning and brake/tail/turn  
 DOT3710D .....Warning, brake/tail/turn and back-up

## DOT3 Options

### Enhance or customize your DOT lighting package

#### Switch Control Panels

Compact design, rocker style single pole/single throw switches, rated at 25 amps peak, with active LED indicators that light up to indicate function in use. Individual spade-type fuses conveniently located on rear mounted fuse strip. Ignition controlled backlighted legend windows for easy visibility in any light. Backlight circuit can be connected to vehicle dimmer switch to control backlight intensity. 72 commonly used press-on switch function label legend tabs, standard. Black epoxy-finished, steel housing.

**Model PCC4W:** Four 25 amp switches. 2-1/4" (57mm) H x 3" (76mm) W x 4" (102mm) D.

**Model PCC6W:** Six 25 amp switches. 2-1/4" (57mm) H x 6" (152mm) W x 3-9/16" (91mm) D.



#### Branch Guard for L31 Front Lighthouse

Cast aluminum brush guard for one beacon, protects beacon from scratches and damage from tree branches and other hazards.

**Model L360BGB**



WPLOW3AA shown

#### Wing Plow Lighting Systems

TIR3™ or LINZ6™ Super-LED® light module warning system. Provides high visibility in both the snowplow wing stowed and travel positions. Pairs can be synchronized for alternating or simultaneous flashing. Each high impact lighthouse is fully encapsulated in a cast aluminum housing and includes 20' of heavy-duty TPE cabling with built-in strain relief.

**Models WPLOW3AA:** TIR3 light modules  
**WPLOW3A:** LINZ6 light modules

#### Optional Work Light

Combination spot/floodlight with rubber housing and stainless steel swivel bracket and hardware. Ultra bright Super-LED with low current draw and long life. 12/24 voltage. Five-year HDP® Heavy-Duty Professional warranty.

**Model P36SCHG:** Spot/floodlight.



#### Aluminum Housings

Replace stainless steel for aluminum housing on 400, 500 and 700 Series lighthouse housing and Micro 400. Offered in pairs.

**Models 400AALUM:** 400A Aluminum Housing.  
**400BALUM:** 400B Aluminum Housing.  
**400DALUM:** 400D Aluminum Housing.  
**700AALUM:** 700A Aluminum Housing.  
**700BALUM:** 700B Aluminum Housing.  
**700DALUM:** 700D Aluminum Housing.  
**MICRALUM:** Micro 400 Aluminum Housing.

#### TIR3™ Side Light

Be more visible with a TIR3 lighthouse mounted in the side of 400 or 700 Series housing for 90° warning light coverage. Offered as pairs.

**Models ADD4TIR3:** Add side TIR 3 warning for 400 Series.  
**ADD7TIR3:** Add side TIR 3 warning for 700 Series.



#### Optional Cable Lengths

Substitute 45' or 30' cable for standard 60' in single or pairs.

**Models SUBF4C45:** Pair, 45'  
**SUBF4C30:** Pair, 30'  
**SUBF2C45:** Single, 45'  
**SUBF2C30:** Single, 30'



#### DOT Photocell

**NEW** photocell option for Hi/Low power, includes black flange.

**Model DOTPHOTO**





**WHELEN<sup>®</sup>**

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