



Officially Licensed Warning Lights
of NASCAR®

WHELEN® DOT-LED™ All LED Legal Lighting Systems



All Whelen Products
are Proudly
Designed & Manufactured
in the U.S.A.

The Problem: According to recent statistics from the National Highway and Traffic Safety Administration, 71% of fatal multi-vehicle accidents involving a large truck are caused by the other vehicle.

The Solution: An easily visible lighting "signature" for trucks, which will provide early detection and recognition. Whelen LED DOT Systems provide improved motorist detection and determination of presence, speed and headway.

Whelen DOT-LED Systems provide 360° of warning protection, with an emphasis on rear-end visibility using high-impact, long-lasting LED light-heads. In heavy traffic or low visibility conditions, a large, slow moving vehicle is a hazard that needs to be identified by a legal warning light system. Our goal is to help you avoid an accident and, should you have an accident, keep you from being liable because of non-certified lighting.

Our systems meet or exceed SAE J845 Class 1, J595, FMVSS 108 and are certified by AMECA and the requirements of California Title XIII.

A CHOOSE FRONT LIGHTHEADS

1 Micro LFL Liberty™



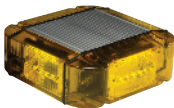
Two Lamp: 2-1/2" (64mm) H x 12" (304mm) D x 9-1/2" (241mm) L
Four Lamp: 2-1/2" (64mm) H x 12" (304mm) D x 15" (381mm) L

2 Micro Ultra Freedom™



Two Lamp: 4" (102mm) H x 10" (254mm) D x 8" (203mm) L
Four Lamp: 4" (102mm) H x 12" (304mm) D x 17-3/4" (450mm) L

3 Micro 400



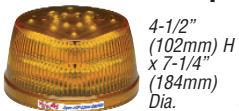
3-3/4" (95mm) H x 10-1/4" (260mm) W x 10-1/2" (266mm) D

4 Micro 400MM



Lighthouse: 3-3/4" (95mm) H x 8-3/16" (208mm) W x 10-3/16" (259mm) D
Bracket Height: 6-1/8" (155mm)

5 L360 Class 1 Super-LED Beacon



4-1/2" (102mm) H x 7-1/4" (184mm) Dia.



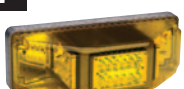
Optional Branch Mount Available

6 L360 Class 1 Super-LED Beacon



2-1/2" (64mm) H x 7-1/4" (184mm) Dia.

7 180° Headboard-LED™



5-1/4" (133mm) H x 6-1/2" (140mm) D x 15-3/8" (390mm) L



Optional Branch Mount Available

B CHOOSE LIGHTHEAD LAMP STYLES

O T H F

None or Beacon Two Lamp Lighthouse Three Lamp Lighthouse Four Lamp Lighthouse

C CHOOSE BRACKET

3 Optional West Coast mirror mount bracket

4 Optional NaviStar mirror mount bracket

Five year Heavy-Duty Professional Warranty



Standard Lighting System Components



12" protective flex tubing and couplings to the light-head connections protects the cabling and provides strain relief.



TPR cables are tin coated pure copper stranded for water, oil and corrosion resistance. 20' standard for front light-heads. 30' standard for rear housings. Custom lengths for special orders.



Remote junction box and electronic flasher provides ease of connecting cabling between lighting systems.



Optional switches custom manufactured for individual system needs.



Top of the line Deutsch® waterproof connectors are an added safeguard to the integrity of the system.



Lighthouses utilize centralized electronic flasher.



Optional Wing Plow TIR3 Super-LED light modules

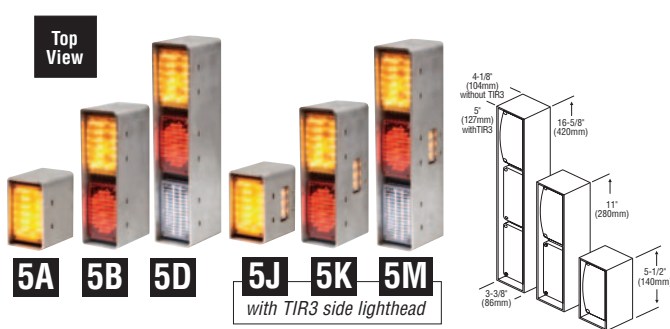
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CHOOSE REAR LIGHTHEADS

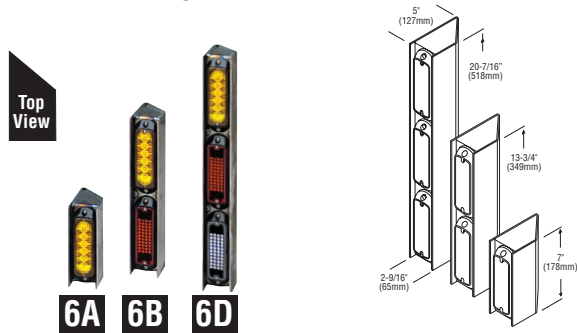
400 Series Angled



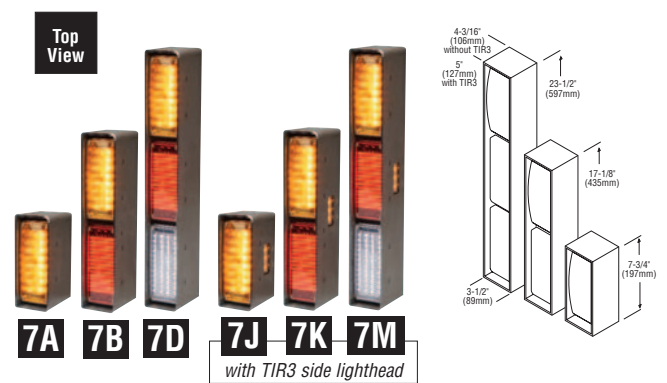
400 Series Square



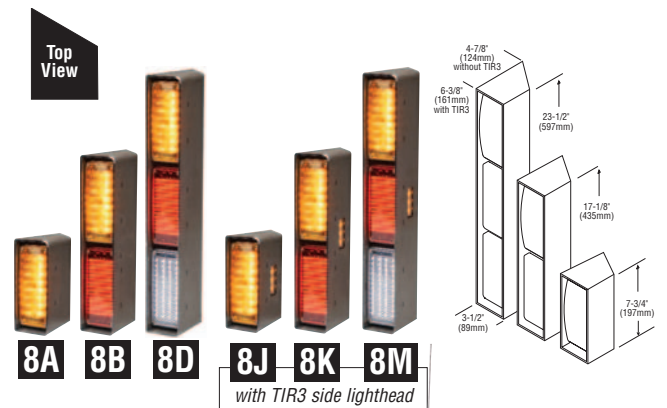
500 Series Angled



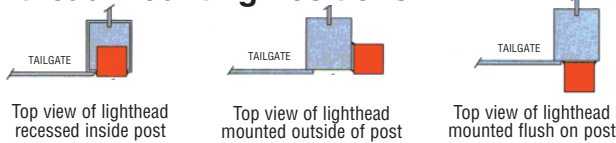
700 Series Square



700 Series Angled



Lighthouse Mounting Positions



E

HOW TO ORDER LIGHTING SYSTEM

Fill in eight digit model number at right with numbers and letters corresponding with components and options desired.

Quantity of front lightheads
0, 1, 2 or 3

A Lighthouse Style
0 = None
1 = Micro Liberty
2 = Micro Freedom
3 = Micro 400
4 = Micro 400MM
5 = L360 Class 1 Beacon
6 = L360 Class 2 Beacon
7 = 180° Headboard-LED

B Number of Modules in each front Lighthead
0 = None or std.
T = Two Lamp
H = Three Lamp
F = Four Lamp

C Optional Mirror Mount Bracket
0 = None
3 = West Coast
4 = Navistar

D D Rear Lighthead Assembly
Choose from 4A through 8M

Rear Lighthead Housing Material
A = Aluminum
S = Steel
P = Stainless Steel

Front & Rear Cable Lengths
0 = Standard
S = Special

Note New Options
J, K & M housings have TIR3 lighthouse mounted on side of housing

Whelen offers a variety of rugged solutions for protection to the front, sides and rear of trucks using the latest Super-LED® technology.

To protect the front and sides of your vehicle, select from seven different front warning light assemblies that mount either to the roof, cab shield or mirror brackets. These choices include 360° Super-LED beacons, Micro Liberty™, Micro Freedom™, Micro 400 and DOT 180° Headboard-LED™ devices.

These front and side-facing devices are designed to flash either synchronously or in an alternating fashion with rear facing Super-LED warning light assemblies.

To protect the rear (and now also the sides) of your vehicle, select the light modules that best suit the application (either 400, 500 or 700 series Super-LED lighthoods). Next, determine whether one, two or three rear facing lights are desired. A new option is the availability of TIR3™ warning lights on the outboard sides of the steel, stainless steel or aluminum 7-gauge lighthood housings that deliver additional warning light protection to the side of the vehicle.

An encapsulated electronic flasher and junction box coordinate front, rear and side warning light protection as well as standard signal light functions.

Super-LED DOT Systems meet applicable FMVSS 108 and SAE J845 Class 1 specifications and California Title XIII requirements. These systems draw very little amperage and provide very long life.

Each system has a five-year warranty.

System Components

Front Lighthoods

- L360 Series Super-LED beacons provide 360° warning. Choose either high profile, SAE J845 Class 1, California Title XIII certified beacon or choose low profile, SAE Class J845 1 beacon. Optional branch guard available.
- Micro Liberty and Micro Freedom warning lights, when used in pairs, provide 360° warning. These can be mounted on mirror brackets and are designed to prevent warning lights flashing in the driver's field of vision.
- Micro 400 lighthoods provide 360° warning.
- DOT 180° Headboard-LED, when used in pairs, provide 360° warning. Designed to mount either in a forward facing or side facing orientation onto cab shields, these lighthoods provide broad warning light. Stainless steel heavy gauge branch guards are available as an option.

Rear Lighthoods

- 400, 500 and 700 Series warning lighthoods feature Linear Super-LED technology which delivers ultra bright and widely visible warning light-protecting the vehicle's rear, even when used on dump bodies which can be tilted.
- LED brake/tail/turn lighthoods feature distinctive SignalAlert™ rapid flash when brakes are first applied.
- Back-up lighthoods are available in either LED or halogen.
- TIR3 warning lights available as additional protection to the side.
- All LED lighthoods are encapsulated to eliminate corrosion, shock and vibration damage and are designed to last 100,000 hours.
- Deutsch® waterproof connectors are used on every lighthood to protect the integrity of the system.

Vital System Components

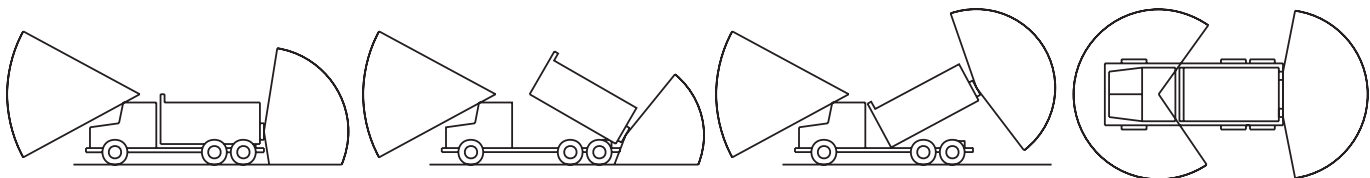
- 7 gauge steel, stainless steel or aluminum housings protect the rear warning lighthoods from damage. Housings can be mounted recessed inside a post, beside a post, or flush to a post.
- Lighthood brackets feature breakaway design, which prevents an expensive repair if damage should ever occur.
- TPR cables are tin coated pure copper and resist corrosion and damage caused by water, oil and other harsh chemicals. Available in custom lengths.
- Flex tubing and couplings provide strain relief to protect cables.
- Junction box incorporates encapsulated electronic flasher assembly.



All Whelen Products are Proudly Designed and Manufactured in the U.S.A.

WHELEN®
ENGINEERING COMPANY, INC.

Route 145, Winthrop Road, Chester, CT 06412
860-526-9504 • Fax: 860-526-4078
www.whelen.com



Cab forward 360° lighting is used in combination with specialized, wide-angle lighthoods that are visible with the dump box raised and lowered positions