

**MANUFACTURED
WHELEN®
IN AMERICA**

Inner Edge®

Undercover Super-LED® Lighting Systems





Corporate Headquarters, Chester CT

WHELEN[®]

For sixty years Whelen has been designing and building light and siren warning systems for police, fire, ambulance and emergency vehicles.

Our products are designed to provide maximum warning protection for the vehicle, its driver, occupants and the public.

We work directly with law enforcement officers, installers, distributors and mechanics to address all the problems you face every day.

Our mission is simple. To make life safer for those who save lives.

Whelen stands unchallenged as the only major Emergency Warning Manufacturer whose products are truly manufactured in America!



Charlestown NH Division



Inner Edge® Undercover Super-LED® Lighting Systems

Full featured interior lightbar series is virtually undetectable when not in operation, allowing you to be seen only when you want to be seen!

Low profile vehicle lighting systems with incredibly bright Super-LED lighthead mounted in a rugged housing. This system fits snugly against the front or back window of select police vehicles.

All Inner Edges have these common features:

- Full featured interior lightbar that is virtually undetectable when not in operation.
- Designed to blend with vehicles existing interior.
- Easy installation. Front facing models mount to visor anchor points and rear lower facing models use the existing child-restraint brackets.
- Super-LED lights are low current, vibration and moisture resistant for reliable long life operation.
- Scan-Lock™ provides selectable multiple flash patterns.
- Requires customer supplied switches or control head, purchased separately.
- Super-LED take-down lights are available on front facing lightbars.
- Order by choosing the desired housing model, and then add LED lighthead colors.
- Available in four safety colors.
- Five-year warranty on LEDs.
- Includes all mounting hardware.



Two piece 3-LED model shown unlit for stealth appearance.



Two piece 6-LED model with all the brightness of an external top mounted lightbar.



One piece 8 lamp rear facing Linear-LED® model mounted on the rear deck.

Refer to chart on last pages for information on how to order models to fit specific vehicles.

Start by ordering the housing to fit your vehicle with the number of light modules you want, then order the lighthead colors.



Available in red,
amber, white & blue



Officially licensed Warning
Lights of NASCAR®



Inner Edge® Undercover Lighting Systems

Low Profile Forward Facing Upper Series



These forward facing units mount against the upper windshield of select police vehicles.

6-LED models are available with a see-through mirrored shroud for great visibility at stop lights and easier to read overhead signs.



3-LED Models

- Each lighthouse contains 3 Super-LED diodes.
- Light array has a combination of linear and TIR lenses to give you the best lighting options, directional or wide angle light spread.
- Additional TIR3™ and LIN3™ interchangeable lenses are supplied which allows you to customize your light dispersion for the targeted impact you're looking for!

3-LED and 6-LED Super-LED® Models

Unique LED lighthouse technology provides a winning combination... highly effective warning and low current draw... ideal for concealing on the upper windshield of your vehicle. Inner Edge lighting systems are full featured, offering Scan-Lock™ multiple flash patterns, Super-LED take-down lights and full-size lightbar warning. Model specific design means that the housing fits snugly against the windshield so that warning light is broadcast at a wide angle forward, away from the driver.

- Full-featured, low profile interior lightbar for mounting on front windshield.
- One or two piece split housing models.
- Rugged lightweight construction mounts to visor anchor points.
- Two piece design mounts up and out of the way on either side of the rearview mirror.
- Two piece design is available as individual driver and passenger side units or as a single passenger side unit only.
- Choose a split housing model with either five lighthouses, or four lighthouses with a Super-LED flashing take-down on either side, or a full size one piece model with 10 or 12 lighthouses.
- Scan-Lock multiple flash patterns, High/Low power control and California pattern, standard.
- Meets SAE and California Title XIII specifications.
- Five-year LED warranty.
- Size: 2-3/4" (71mm) H x 7-1/8" (181mm) W x 45-3/8" (115cm) L (one-piece model) or 17-5/8" (448mm) L (individual two-piece unit).

Customize your lightbar with extra interchangeable reflectors supplied with each unit. The TIR3 provides directional light. The LIN3 has a proprietary collimator, for a wider 180° light spread.



TIR3

LIN3



The only patented Linear-LED design on the market.

6-LED Models

- Each LINZ6™ type lighthouse contains 6 Super-LED diodes, for twice the light energy as its predecessor.
- Linear design insures wide angle light dispersion for true 180° warning.
- Models available with see-through mirrored shroud for improved visibility and officer safety.



Patented mirrored shroud reduces flashback and makes it easy to view traffic lights and overhead signs.

Inner Edge® Undercover Lighting Systems

Rear Facing Lower Series

6-LED and Linear-LED® modules for warning or Traffic Advisor™ applications.

These units mount against the window on the lower rear deck of Ford Taurus, Police Interceptor, Chevy Caprice, Impala, and Dodge Charger.



6-LED and Linear-LED Models

- These models mount on the rear deck snugly against the rear window, eliminating any flashback to the driver.
- Low profile black textured housing mounts using existing child-restraint brackets.
- Choose from six configurations:
 - Ten lamp programmable for warning light or eight lamp Traffic Advisor.
 - Ten lamps with six lamp Traffic Advisor with two flashers on each end.
 - Ten lamps with eight lamp Traffic Advisor with a single flasher on each end.
 - Eight lamp programmable for warning light or Traffic Advisor, field programmable.
 - Eight lamp unit with six lamp Traffic Advisor with a single flasher on each end.
 - Six lamp programmable for warning light or Traffic Advisor.



Top view of Inner Edge on rear deck of vehicle.



Eight lamp warning with Linear-LED modules.



Rear view



Eight lamp 6-LED Traffic Advisor with single end flashers

Inner Edge® Undercover Lighting Systems

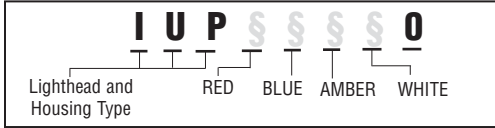
HOUSING MODEL NUMBERS AND CONFIGURATIONS

MODELS - DESCRIPTIONS - LAMP TYPE 6-LED (shown in Red) 6-LED with Mirror Shroud (shown in Blue) 3-LED (shown in Black) Linear-LED (shown in Green)	CHEVROLET			DODGE		FORD			
	Caprice 2011-2012	Impala 2005-2012	Suburban, Tahoe & Silverado 2008-2012	Charger 2011-2012	Durango 2011-2012	Expedition 2011	Explorer 2011-2012 Utility Interceptor 2013	F150 2012	
Forward Facing Upper									
Low Profile 3-LED (shown in Black), 6-LED (shown in Red) and 6-LED with mirrored shroud (shown in Blue)									
12 warning lamps, 1 piece, with 2 Super-LED® take-downs			IZ30UFX			IZ31UFX			
10 warning lamps, 1 piece, with 2 Super-LED take-downs			IZ30UFZ			IZ31UFZ			
10 warning lamps, 2 piece	I37UFZ IZ37UFZ	I06UFZ IZ06UFZ IM06UFZ	I13UFZ IZ13UFZ IM13UFZ	I35UFZ IZ35UFZ IM35UFZ	IZ36UFZ	I08UFZ IZ08UFZ	I34UFZ IZ34UFZ	I41UFZ IZ41UFZ	
8 warning lamps, 2 piece, with 2 Super-LED take-downs	I37UF8 IZ37UF8	I06UF8 IZ06UF8 IM06UF8	I13UF8 IZ13UF8 IM13UF8	I35UF8 IZ35UF8 IM35UF8	IZ36UF8	I08UF8 IZ08UF8	I34UF8 IZ34UF8	I41UF8 IZ41UF8	
4 warning lamps, 1 piece, with 1 Super-LED take-down, passenger side only	I37UF4P IZ37UF4P	I06UF4P IZ06UF4P	I13UF4P IZ13UF4P	I35UF4P IZ35UF4P	IZ36UF4P	I08UF4P IZ08UF4P	I34UF4P IZ34UF4P	I41UF4P IZ41UF4P	
5 warning lamps, 1 piece, passenger side only	I37UF5P IZ37UF5P	I06UF5P IZ06UF5P	I13UF5P IZ13UF5P	I35UF5P IZ35UF5P	IZ36UF5P	I08UF5P IZ08UF5P	I34UF5P IZ34UF5P	I41UF5P IZ41UF5P	
Rear Facing Lower									
Linear-LED (shown in Green), 6-LED (shown in Red)									
10 lamp programmable for warning or 8 lamp Traffic Advisor	IZ37LRZ			IZ35LRZ					
8 lamp programmable for warning or Traffic Advisor	IZ37LR8	I06LR8L		IZ35LR8 I35LR8L					
6 lamp Traffic Advisor with 2 end flashers (8 lamps total)	IZ37LR86	I06LR8LT		IZ35LR86 I35LR8LT					
6 lamp programmable for warning or Traffic Advisor		I06LR6L		I35LR6L					
6 lamp Traffic Advisor with 4 end flashers (10 lamps total)	IZ37LRZ6			IZ35LRZ6					
8 lamp Traffic Advisor with 2 end flashers (10 lamps total)	IZ37LRZ8			IZ35LRZ8					

HOW TO ORDER LIGHT MODULE COLORS

Start by ordering the housing to fit your vehicle with the number of light modules you want, from chart, then order the lighthouse colors from the instructions below.

Replace symbol \$ with number of LED lighthoods required. Order of colors is Red, Blue, Amber, & White.



EXAMPLE of model numbers for 3-LED 12 lighthouse unit:
IUP55020 = 5 red, 5 blue, 0 amber and 2 white lighthoods

EXAMPLE of model numbers for Linear-LED 8 lighthouse unit:
ILP00800 = 8 amber lighthoods

EXAMPLE of model numbers for 6-LED 5 lighthouse unit:
ILP04010 = 4 blue and 1 white lighthoods

IEP - Insert Colors for Linear-LED Unit (I35LR models only)
IEP\$ \$ \$ \$ \$ 0: Six, eight, or ten Linear-LED modules.

IUP - Insert Colors for 3-LED Unit
IUP\$ \$ \$ \$ \$ 0: Four, five, eight, ten or twelve 3-LED modules.

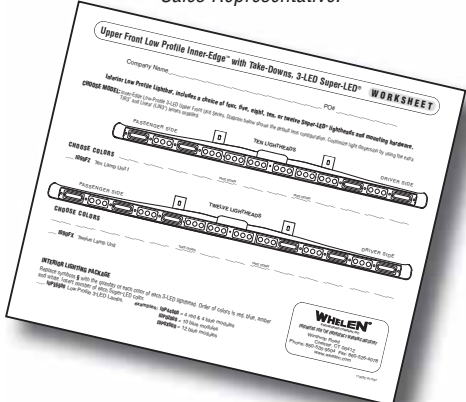
IZP - Insert Colors for 6-LED Unit
IZP\$ \$ \$ \$ \$ 0: Four, five, eight, ten or twelve 6-LED modules.

ITP - Insert Colors for 3-LED with TIR3™ Lighthoods
ITP\$ \$ \$ \$ \$ 0: Eight or ten TIR3 modules.

ILP - Insert Colors for Linear-LED® Unit
ILP\$ \$ \$ \$ \$ 0: Three, six, seven or eight Linear-LED modules.

Insert Colors for Three Light Super-LED Unit
Replace * in model number with LED colors required. A = Amber, B = Blue, R = Red, C = Clear/White

Inner Edge ordering worksheets are available. Contact your Local Distributor or Authorized Managing Sales Representative.



FORD					AVAILABLE CONFIGURATIONS Note: Configurations show type, number and position of lamp modules. Color of lamp modules can vary from colors depicted in these drawings.
F250/F350 2011	F250/F350 2012	Fusion 2011	Taurus 2011-2012 Police Interceptor 2013		
Order colors: IUP for 3-LED and IZP for 6-LED					
IZ33UFZ	I39UFZ IZ39UFZ	IZ19UFZ	I38UFZ IZ38UFZ IM38UFZ		
IZ33UF8	I39UF8 IZ39UF8	IZ19UF8	I38UF8 IZ38UF8 IM38UF8		
IZ33UF4P	I39UF4P IZ39UF4P	IZ19UF4P	I38UF4P IZ38UF4P		
IZ33UF5P	I39UF5P IZ39UF5P	IZ19UF5P	I38UF5P IZ38UF5P		
Order colors: ILP for Linear-LED and IZP for 6-LED IEP for Charger I35LR models only					
			IZ38LRZ		
			IZ38LR8	Linear LIN6	
			IZ38LR86	Linear LIN6	
			IZ38LRZ6		
			IZ38LRZ8		





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