

Universal UnderCover™ LED Insert

- **LED 'hide away' insert elevates safety lighting with interchangeable lenses** that tailor the light output to complement your mounting application
- **Insert includes Extreme Angle Lens** (Lens #1 - see diagram on opposite page for output patterns of all lenses)
- **2 additional lenses available** for customized light output (ordered separately) - Lens #2 offers concentrated Vertical/Forward output & Lens #3 for concentrated Horizontal/Side output
- **Use with optional Bezels to surface mount** to any flat area on the vehicle body for additional lighting anywhere
- **Bezels available in Black, Chrome or White** to complement vehicle color/accessories
- **Optional Cruise Mode** reduces light output to 20% brightness if desired
- **Retrofits with existing 1" strobe tube cutouts** in headlight, taillight or corner lights in all types of commercial vehicles
- **Durable polycarbonate lenses with UV inhibitor** to prevent discoloration & sun fade
- **Features super efficient heat sink**
- **Weatherproof "O"-ring seal**
- **10-30 volt model available**
- **Includes Extreme Angle Lens #1, in-line flasher & cables** for installation (Lenses #2 & #3 are ordered separately)



Offers great additional side lighting for large trucks when mounted with optional Surface Mount Bezels.



White Bezel shown. Bezel includes gasket for a tight seal & mounting screws for installation.



Custom tailored light output with 3 interchangeable lenses to provide the best output for your application.

Tech Specs	Universal UnderCover™ LED Insert
Flash Patterns:	30 Flash Patterns
Light Sync:	Yes
Technology:	6 Gen3 LEDs
Mounting:	Headlight/Taillight Mount into 1" Diameter cutouts or Surface Mount w/ optional Bezel Bezel mounts on 1.89" (48 mm) centers
Input Voltage:	10 - 16 or 10 - 30 Vdc
Current Draw:	less than 1 amp (pattern dependent)
Dimensions:	
Insert	Diameter x Height 1.5" (38 mm) Diam. x 0.9" (23 mm) H
Bezel	Length x Height x Depth 2.2" (56 mm) L x 1.65" (42 mm) H x 0.63" (16 mm) D
Operating Temp.:	-40° to +65° C / -104° to +149° F

COLORS

Solid
(x) = A B G R W

Dual/Split

(x) = A B D E F
G H J K L
M N P R W



UNIVERSAL UNDERCOVER™

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10-16 Vdc Insert*

10' Cable Length: #ELUC2SØ1Ø(x)

25' Cable Length: #ELUC2SØ25(x)

10-30 Vdc Insert*

10' Cable Length: #ELUC2HØ1Ø(x)

* Includes Lens #1 Extreme Angle, in-line flasher & cable for hardwire installation.



SURFACE MOUNT BEZELS

Bezel only**

Black: #PLUC2HSB
 Chrome: #PLUC2HSC
 White: #PLUC2HSW

** Includes Bezel, mounting gasket & hardware.

Insert w/ Bezel***

Black: #ELUC2SB1Ø(x)
 Chrome: #ELUC2SC1Ø(x)
 White: #ELUC2SW1Ø(x)

*** Includes 10-16 Vdc Insert w/ Lens #1 & 10' cable, inline flasher w/ Bezel, mounting gasket & hardware.

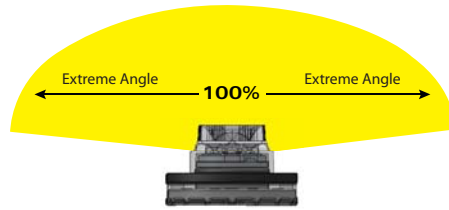


PARTS & ACCESSORIES

Lens #1 - Extreme Angle: #PLUC2LN1E

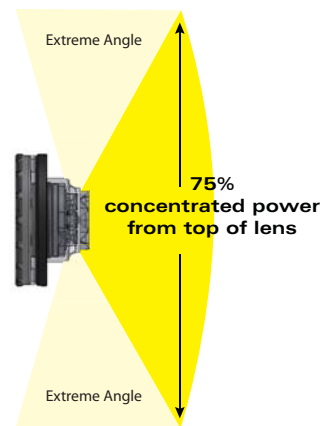
Lens #2 - Vertical: #PLUC2LN1V

Lens #3 - Horizontal: #PLUC2LN1H



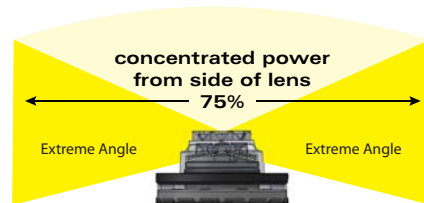
Lens #1 Extreme Angle

- Even distribution of output with Extreme Angle benefits.
- Optics designed to maximize the light bouncing off the reflector.
- Insert ships with Lens #1 attached.



Lens #2 Vertical/Forward Impact

- Optics designed to concentrate the light through the top of the lens.
- Choose this lens for optimal power & extreme forward impact on vertical mounts.
- Extreme side angle output magnified by reflector.



Lens #3 Horizontal/Side Impact

- Optics designed to concentrate the output through the sides of the lens for extreme, side angle visibility.
- Choose this lens for optimal power & extreme side angle impact when mounted in the horizontal position.
- Light from top of the lens fills reflector maximizing signal.

UNDERCOVER™ STROBE INSERT

by SoundOff Signal

Screw-in Style



Push-in Style



Push-In Strobe Insert (each)

Black Base/Amber Tube: #ETUPØA-P
 Black Base/Clear Tube (White): #ETUPØC-P

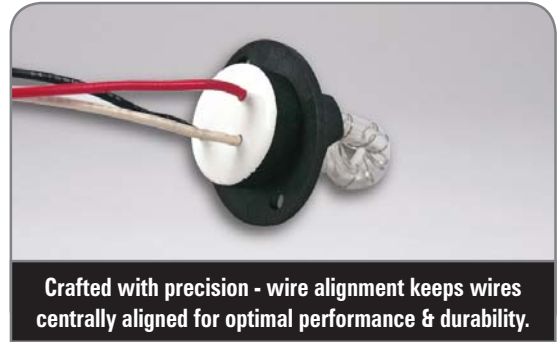
Push-In Strobe Insert - 15' Cable with AMP Connector (each)

Black Base/Clear Tube (White): #EUPNSNDC

Screw-In Strobe Inserts (each)

Black Base/Amber Tube: #ETUCØA-P
 Black Base/Blue Tube: #ETUCØB-P
 Black Base/Blue Tube: #ETUCØG-P
 Black Base/Red Tube: #ETUCØR-P
 Black Base/Clear Tube (White): #ETUCØC-P

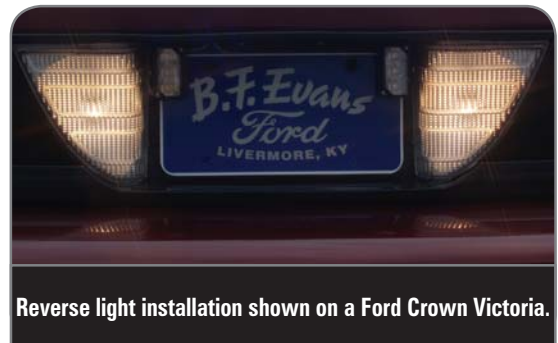
- **Traditional Strobe Head Inserts** powered by a 35 watt dual Helix Strobe Tube
- **Manufactured with precise wire alignment** for superior performance - wires are centrally aligned unlike many competitors strobe tubes
- **Available in 2 mounting styles** - Screw-in with a flange base or Push-in style with grommet base
- **Screw-in style has a flange base** that is attached to the vehicle by using supplied screws
- **Push-in style has a grommet base** and is installed by simply pushing the base through a pre-drilled hole
- **Inserts include** 5.5" wire length with attached connector & mounting screws for installation



Crafted with precision - wire alignment keeps wires centrally aligned for optimal performance & durability.



Headlight installation shown on a Ford Crown Victoria.



Reverse light installation shown on a Ford Crown Victoria.

Tech Specs	UnderCover™ Strobe Insert
Flash Patterns:	Power Supply dependant (see Strobe Power Supplies)
Anode Voltage Range:	225 - 500 Volts
Maximum Energy:	20 Joules
Maximum Power:	35 watts
Trigger Energy:	4.4mJ typical @ 200 Volts
Current Draw:	Power Supply dependant
Dimensions:	Height x Diameter
Screw-In Style	1.7" (43 mm) H x 1.6" (41 mm) Flange Diam.
Push-In Style	1.6" (41 mm) H x 1.3" (33 mm) Flange Diam.
Operating Temp.:	-20° to +65° C / -68° to +149° F



Strobe Power Supplies

Nebula™

#ETN660-P



- Improved design - single pattern select wire for easier pattern selection & Low Power Mode with lower amp draw
- Features High/Low Intensity Control, Selective Switching, RF/RFM Filtration & Reverse Polarity Protection
- 7 Flash patterns: Quad, Double, Quint, Warp, Inter-Cycle, Triple & Single
- 6 amp draw @ 12 volts



Galileo™

#ETG690-P



- Improved design - single pattern select wire for easier pattern selection & Low Power Mode with lower amp draw
- Features High/Low Intensity Control, Selective Switching, RF/RFM Filtration & Reverse Polarity Protection
- 7 Flash patterns: Quad, Double, Quint, Warp, Inter-Cycle, Triple & Single
- 9 amp draw @ 12 volts



Aurora™

#ETA225-P



- 4 total modes using WarpFlash, Double, Quad & Quint flash patterns
- Features High/Low Intensity Control, Selective Switching, RF/RFM Filtration & Reverse Polarity Protected
- 4 amp draw at 12 volts
- Potted Style Housing



Photon™

#ETPN475



- 14 total modes using InterCycle, WarpFlash™, Double, Quad & Quint flash patterns
- Features High/Low Intensity Control, Selective Switching, RF/RFM Filtration & Reverse Polarity Protection
- 6 amp draw @ 12 volts
- Potted Style Housing



Strobe Power Supply Kits available, see price guide for more information & pricing.