


# CORNER LED LIGHTING

available in: 



## New Corner LED Lighting

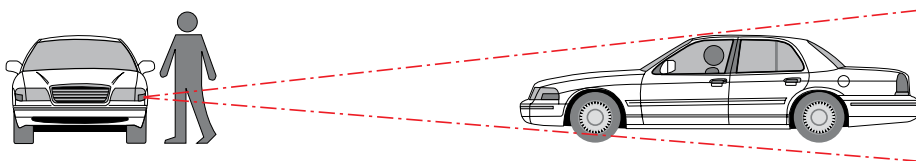
Specifically designed for 2005 and newer Ford Crown Victoria Police Interceptors, the new low-profile Corner LEDs provide maximum light output and true color reproduction. The LED assemblies are easy to install with standard size tools and mount inside the front corner, taillight and back-up light housings, offering a sleek appearance. An additional benefit is the ability to use standard corner strobe cabling; providing overall cost savings and reliability in one package.

One of the most common supplementary warning systems used in emergency vehicles is the old style strobe system. Although strobes are relatively inexpensive and straightforward to install initially, the fragile tubes require continued maintenance. Their high voltage operation can cause electrical and radio frequency interference. And their optical intensity drops off dramatically with distance (since they are not placed at the focal point of the reflectors) or when used through color filters (such as taillight lenses).

## Corner LED Advantages

Corner LEDs are proven to last longer than strobes, thus reducing vehicle downtime and maintenance costs. Corner LEDs enable you to install blue or red LEDs in the front corners or back-up lights, providing vibrant color vs. the washed out color of strobes.

To maximize the visibility of emergency warning for seated drivers at normal distances, Corner LEDs provide better directional lighting. When a person is standing next to the Corner LEDs, they will immediately notice that they are not blinded by randomly scattered light as with strobes. Focused light is more efficient at longer distances, providing drivers more time to react to emergency situations in a safe manner, as depicted in the following diagram.



## FEATURES

- Corner LEDs provide longer life and reduce vehicle downtime vs. strobes.
- LED assemblies mount inside the front corner, taillight and backup light housings for a low-profile OEM appearance.
- LED assemblies provide accurate beam shaping and vibrant color vs. strobes.
- Remote six-head flasher provides:
  - Twenty-two flash patterns
  - Front and rear cut-off
  - Two modes of operation
- LED assemblies are available in blue, red, and white.

## APPROVALS

- SAE J595
- SAE 1113/41 for RFI
- SAE J2498
- CCR Title 13

## 6-CHANNEL LED FLASHER

The 6-Channel LED Flasher, model 501903, is a current limiting power supply designed for use on negative ground systems, powering six remote LED units. Each channel is capable of providing one amp. The flasher offers front/rear cut-off features that provide additional officer safety during traffic stops and twenty-two flash patterns that maximize flexibility and operational functionality. Each unit is enclosed in an aluminum extrusion to protect the PC board assembly.

### Corner LED Heads

Various models are available for the front corner, rear taillight, and rear back-up light.

Specifications (501903 Individual flasher specifications)	
Input Voltage & Polarity	12 VDC negative ground systems only
Input Current @ 12.8 VDC Operation	1 amp maximum per channel
Operating Temperature	-40°C to +65°C
Input Power	72W maximum peak power
Output Power	12W per channel
LED Head Outlets	6
Flash Patterns	22
Operating Modes	2
Flasher Cutoff features	2
Physical Dimensions (H x L x D)	
Front Corner Mounted LED Assemblies	2.1" x 4.6" x 2.8" (5.3 cm x 11.7 cm x 7.1 cm)
Rear Taillight Mounted LED Assembly	2.2" x 2.1" x 2.3" (5.6 cm x 5.3 cm x 5.8 cm)
Rear Back-Up Light Mounted LED Assemblies	3.0" x 2.1" x 2.3" (7.6 cm x 5.3 cm x 5.8 cm)
Individual Flasher, 6-Channel	1.7" x 8.2" x 4.5" (4.3 cm x 20.8 cm x 11.4 cm)
Ship Weight	
Front Corner Mounted LED Assemblies	2.0 lbs (0.9 kg)
Rear Taillight Mounted LED Assembly	1.5 lbs (0.7 kg)
Rear Back-Up Light Mounted LED Assemblies	1.0 lbs (0.5 kg)
Individual Flasher, 6-Channel	2.0 lbs (0.9 kg)

### Front Corner LED Assemblies

2005-Newer Ford CVPI  
Model 501900-11XX



### Rear Taillight LED Assemblies

2005-Newer Ford CVPI  
Model 501900-2101



### Rear Back-up LED Assemblies

2005-Newer Ford CVPI  
Model 501900-31XX



### Individual Flasher, 6-Channel



## HOW TO ORDER

### Front headlight LED assemblies

- 501900-1101 Driver: (1) red; Passenger: (1) blue  
 501900-1102 Driver: (1) red; Passenger: (1) red  
 501900-1103 Driver: (1) blue; Passenger: (1) blue  
 501900-1104 Driver: (1) white; Passenger: (1) white  
 501900-1105 Driver: (1) blue; Passenger: (1) red

### Rear taillight LED assemblies

- 501900-2101 Driver: (1) red; Passenger: (1) red

### Rear back-up LED assemblies

- 501900-3101 Driver: (1) red; Passenger: (1) blue  
 501900-3102 Driver: (1) red; (1) Passenger: red  
 501900-3103 Driver: (1) blue; (1) Passenger: blue  
 501900-3104 Driver: (1) white; (1) Passenger: white

### 4-Head Kit: (2) Front Headlight / (2) Rear Taillight-with Flasher and (4) cables

- 501900-4101 Driver Front: (1) red; Passenger Front: (1) blue / Rear: (2) red  
 501900-4102 Driver Front: (1) red; Passenger Front: (1) red / Rear: (2) red  
 501900-4103 Driver Front: (1) blue; Passenger Front: (1) blue / Rear: (2) red  
 501900-4104 Driver Front: (1) red; Passenger Front: (1) white / Rear: (2) red  
 501900-4105 Driver Front: (1) blue; Passenger Front: (1) red / Rear: (2) red

- 510903 Individual flasher, 6-channel