

## Model Numbers

### 9x7 Warning lights with color lens and built-in flasher

QL97XF-A	Amber
QL97XF-B	Blue
QL97XF-G	Green
QL97XF-R	Red

### 9x7 Warning lights with Clear lens and built-in flasher

QL97XFC-A	Amber
QL97XFC-B	Blue
QL97XFC-G	Green
QL97XFC-R	Red
QL97XFC-C	White

### 9x7 Split-LED warning lights with color lens (require external flasher)

QL97S-AA	Amber/Amber
QL97S-BB	Blue/Blue
QL97S-GG	Green/Green
QL97S-RR	Red/Red

### 9x7 Split-LED warning lights with Clear lens (require external flasher)

QL97SC-AA	Amber/Amber
QL97SC-BB	Blue/Blue
QL97SC-RR	Red/Red
QL97SC-CC	White/White
QL97SC-GC	Green/White
QL97SC-GG	Green/Green
QL97SC-RA	Red/Amber
QL97SC-RB	Red/Blue
QL97SC-RC	Red/White

### 9x7 Split-LED warning lights with color lens and built-in flasher

QL97SF-AA	Amber/Amber
QL97SF-BB	Blue/Blue
QL97SF-GG	Green/Green
QL97SF-RR	Red/Red

### 9x7 Split-LED warning lights with Clear lens and built-in flasher

QL97SFC-AA	Amber/Amber
QL97SFC-BB	Blue/Blue
QL97SFC-RR	Red/Red
QL97SFC-CC	White/White
QL97SFC-GG	Green/Green
QL97SFC-RA	Red/Amber
QL97SFC-RB	Red/Blue
QL97SFC-RC	Red/White
QL97SFC-RG	Red/Green

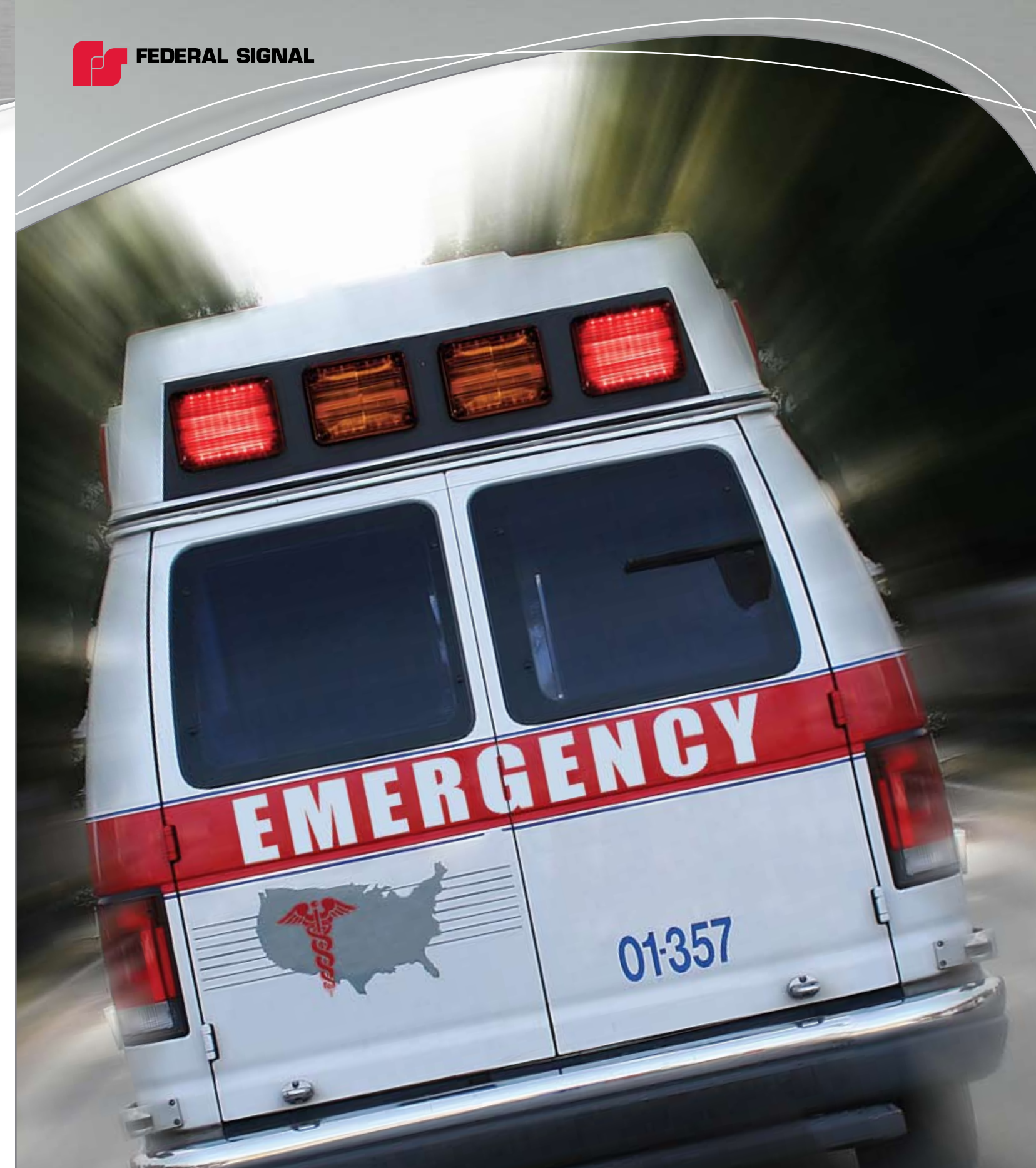
### Accessories or Kits

QL97MB	Trim bezel, Black with gasket
QL97MC	Trim bezel, chrome with gasket
650205	LED Flasher, (2) 10A channels, (10) flash patterns, high-side switching
650302	LED Flasher, (16) channels, 40A total capacity, K-spec compliant

## Technical Specifications

QuadraFlare 9"x7" LED Warning Lights	
Current Draw	*4.0A "steady-on"
Input Voltage	12.8 VDC
Operating Temperature	-40°C to +65°C
Ship Weight	2.0 lbs (0.9 kg)
Physical Dimensions	
Without trim bezel (HxWxD)	7.2 in x 9.2 in x 1.7 in (18.3 cm x 23.4 x 4.3 cm)
With trim bezel/gasket (HxWxD)	8.4 in x 11.2 in x 1.9 in (21.3 cm x 28.5 cm x 4.8 cm)

\*During normal operation, amp draw of flashing lights may be as much as 50% lower than stated amount.





- A** QuadWindow – Fresnel lens with enhanced design provides outstanding performance to meet industry lighting specifications.
- B** Solaris™ LED Reflector –Engineered to capture more light and feature four scalloped quadrants for customized flash patterns.
- C** PC Board Design – Uniquely manufactured PC boards incorporate LEDs onto the surface providing fewer connections for increased reliability. The board also acts as heat sink to maximum LED output.
- D** Push-button Pattern Selection – Easy to access pattern control button located directly on the PC board.
- E** Gore-Tex® Gasket – allows the unit to breathe, reducing condensation and water retention.
- F** Surface Mount Housing – QuadraFlare LED warning lights are designed to be surface mounted, eliminating the need to cut holes into the body of the vehicle.



### QuadraFlare Warning Lights

- Industry standard 9-inch by 7-inch dimensions
- NFPA 1901 or GSA K-Spec compliant models available
- Models feature twenty-four built-in flash patterns plus “steady-on” patterns for external flasher applications
- Split LED models offer a variety of color combinations
- Split models offer independent input to each half for unique flash patterns and white light cut-off
- Available with or without a built-in flasher
- Optional chrome-plated or black trim bezel available
- Five-year warranty on LED components
- Available in red, amber, blue, green, or white LEDs
- Clear or color lenses available

### Five Pattern Arrangements In One Model!

Federal Signal’s Solaris® LED reflectors and unique software configuration provide models QL97SF and QL97SFC a variety of flash patterns and functionality. These lights contain a built-in flasher but when used with an external flasher or multiplex system, can be placed in a “steady-on” pattern for easy OEM installation. This powerful warning light offers two “steady-on” patterns, 24 flash patterns, and a unique Quad-X flash pattern. The Solaris reflector design provides full, horizontal, vertical, and the unique Quad-X flash pattern.



**1. “Steady-on” 2. Full Flash**



**3. Vertical Flash Patterns**



**4. Horizontal flash patterns**



**5. Quad-X flash patterns**