

# QuadraFlare®

## Exterior Perimeter Lights



### FEATURES

- Advanced Solaris® LED reflector technology
- Warning lights available in 4x3, 6x4, 7x3, and 9x7 models
- LED Scene lights are available in 6x4, 7x3, and 9x7
- 4x3, 6x4, and 9x7 models feature unique Quad-X patterns
- LEDs available in Amber, Blue, Green, Red, or White
- Available with built-in flasher featuring a variety of selectable patterns
- Surpasses NFPA and GSA K-spec compliant upper and lower level requirements
- Brake/Tail/Turn, Turn Arrow and Back-up light models available in 6x4
- Optional Chrome-plated trim bezel
- Five-year warranty

### APPROVALS

QuadraFlare 4x3, 6x4, 7x3, and 9x7 lights

- NFPA 1901, GSA KKK-A-1822F
- SAE J595, Class 1

Brake/Tail/Turn/Back-up lights

- FMVSS-108
- SAE J2040
- SAE 2261
- SAE J593
- CCR Title 13 (certain flash patterns)

### FS TECHNOLOGY



#### QuadraFlare® 4x3, 6x4, 7x3, and 9x7 Lights

Federal Signal QuadraFlare® LED lights are designed with the Solaris® LED reflector technology for superior off-axis lighting. These LED warning lights are engineered to surpass NFPA and GSA Triple-K specifications for upper and lower-level requirements and LEDs carry a five-year warranty.

QuadraFlares are available in 4x3, 6x4, 7x3, and 9x7 standard models. Therefore, no special die-cut is required to the body of your fire truck, ambulance, or work truck. Models are available with an optional Chrome-plated trim bezel for a traditional finish. All models offer a built-in flasher featuring a variety of selectable patterns. In addition, the 4x3, 6x4, and 9x7 models feature unique Quad-X patterns for attention-getting warning.

#### QuadraFlare Brake/Tail/Turn/Back-up Lights

These assemblies house 6x4 QuadraFlares. QuadraFlares are designed with the Solaris LED reflector technology for superior off-axis lighting. The exterior LED lights are available in 3-position vertical, 3-position horizontal, and 4-position vertical Chrome-plated castings. No special die-cut is required to the body of your fire truck or ambulance. All LEDs carry a five-year warranty.



#### QuadraFlare Led Scene Lights

Available in 6x4, 7x3, and 9x7 standard models, QuadraFlare LED Scene lights deliver a powerful white light to illuminate a work scene. Available with optional Chrome plated trim bezel and LEDs carry a five-year warranty.



### Five Pattern Arrangements In One Model

QuadraFlare LED perimeter lights contain a built-in flasher and can be used with an external flasher or multiplex system by using a “steady on” pattern. Solaris reflectors and our unique software configuration provide a variety of flash patterns and functionality. The unique quad reflector design allows for horizontal, vertical, and our unique X-Quad flash patterns.



1. “STEADY-ON” MAY APPLY EXTERNAL FLASHER (ALL QUADRAFLARE STYLES)
2. FULL FLASH (ALL QUADRAFLARE STYLES)



3. VERTICAL FLASH PATTERN (4X3, 6X4, AND 9X7 ONLY)



4. HORIZONTAL FLASH PATTERN (ALL QUADRAFLARE STYLES)



4. QUAD-X FLASH PATTERN (4X3, 6X4, AND 9X7 ONLY)

## SPECIFICATIONS

MODEL FAMILY	CURRENT DRAW*	INPUT VOLTAGE	OPERATING TEMPERATURE	PHYSICAL SPECIFICATIONS H X W X D	SHIP WEIGHT
ALL QL43 MODELS	Max 2.0A	12 Vdc	-40° to +80° F (-40° to +176° C)	3.1 in x 4.9 in x 1.7 in (7.9 cm x 12.4 cm x 4.3 cm)	1.0 lb (0.5 kg)
ALL QL64 MODELS (EXCEPT QL64LEDSCENE-SB)	Max 2.0A	12 Vdc	-40° to +80° F (-40° to +176° C)	4.2 in x 6.6 in x 1.5 in (10.7 cm x 16.7 cm x 3.8 cm)**	1.0 lb (0.5 kg)
QL64LEDSCENE-SB	Max 1/0.5 A	12/24 Vdc	-40° to +80° F (-40° to +176° C)	4.2 in x 6.6 in x 1.5 in (10.7 cm x 16.7 cm x 3.8 cm)	1.8 lb (0.8 kg)
ALL QL73 MODELS	Max 2.0A	12 Vdc	-40° to +80° F (-40° to +176° C)	7.4 in x 3.2 in x 1.7 in (18.7 cm x 8.0 cm x 4.3 cm)**	1.0 lb (0.5 kg)
ALL QL97 MODELS	Max 4.0A	12 Vdc	-40° to +80° F (-40° to +176° C)	7.2 in x 9.2 in x 1.7 in (18.3 cm x 23.4 cm x 4.3 cm)**	2.0 lb (0.9 kg)
QL643V-LED	Max 2.5A	12 Vdc	-40° to +80° F (-40° to +176° C)	15.1 in x 7.4 in x 1.6 in (38.4 cm x 18.8 cm x 4.1 cm)	11.0 lb (5.0 kg)
QL643V-LEFT/RIGHT	Max 2.5A	12 Vdc	-40° to +80° F (-40° to +176° C)	15.1 in x 7.4 in x 1.6 in (38.4 cm x 18.8 cm x 4.1 cm)	11.0 lb (5.0 kg)
OL643H-LEFT/RIGHT	Max 2.5A	12 Vdc	-40° to +80° F (-40° to +176° C)	5.0 in x 22.3 in x 1.6 in (12.7 cm x 56.6 cm x 4.1 cm)	11.0 lb (5.0 kg)
QL643H-LEDLEFT/LEDRIGHT	Max 2.5A	12 Vdc	-40° to +80° F (-40° to +176° C)	5.0 in x 22.3 in x 1.6 in (12.7 cm x 56.6 cm x 4.1 cm)	11.0 lb (5.0 kg)
QL644V-LED	Max 4.0A	12 Vdc	-40° to +80° F (-40° to +176° C)	19.6 in x 7.4 in x 1.6 in (49.8 cm x 18.8 cm x 4.1 cm)	12.5 lb (5.7 kg)
QL644V-LEFT/RIGHT	Max 4.0A	12 Vdc	-40° to +80° F (-40° to +176° C)	19.6 in x 7.4 in x 1.6 in (49.8 cm x 18.8 cm x 4.1 cm)	12.5 lb (5.7 kg)

\* Current draw rated at “steady on.” During normal operations, amp draw of flashing lights may be as much as 50% lower than stated amount.

\*\* Without trim bezel.

## HOW TO ORDER WARING LIGHTS

LED Color: A B G R W Lens Color: A B G R C

MODEL #	LED COLOR	LENS COLOR	LED COUNT	INTERNAL FLASHER	SPLIT LED	DIMMING
<b>9X7 QUADRAFLARES</b>						
QL97-(COLOR)(COLOR)	Amber, Blue, Red	Amber, Blue, Red	16	Yes		Yes
QL97C-(COLOR)(COLOR)	Amber, Blue, Red, White	Clear	16	Yes	Yes	Yes
<b>7X3 QUADRAFLARES</b>						
QL73-(COLOR)(COLOR)	Amber, Blue, Red	Amber, Blue, Red	12	Yes		Yes
QL73-RR	Red	Red	16	Yes		Yes
QL73C-RR	Red	Clear	16	Yes		Yes
QL73C-(COLOR)(COLOR)	Amber, Blue, Red, White	Clear	12	Yes	Yes	Yes
<b>6X4 QUADRAFLARES</b>						
QL64-(COLOR)(COLOR)	Amber, Blue, Green	Amber, Blue, Green	12	Yes		Yes
QL64-RR	Red	Red	16	Yes		Yes
QL64C-RR	Red	Clear	16	Yes		Yes
QL64C-(COLOR)(COLOR)	Amber, Blue, Red, White, Green	Clear	10	Yes	Yes	Yes
<b>4X3 QUADRAFLARES</b>						
QL43-(COLOR)(COLOR)	Amber, Blue	Amber, Blue	12	Yes		Yes
QL43-RR	Red	Red	16	Yes		Yes
QL43C-(COLOR) (COLOR)	Amber, Blue, Red, White	Clear	12	Yes	Yes	Yes
QL43C-RR	Red	Clear	16	Yes		Yes

## HOW TO ORDER BRAKE/TAIL/TURN AND BACK-UP LIGHTS

MODEL #	LED DESCRIPTION	LENS COLOR
QL73-BTT	Brake/Tail/Turn, Red LED	Red
QL73-ARROW	Turn Light, Amber LED	Amber
QL73-BACKUP	Backup Light, White LED	Clear
QL64-BTT	Brake/Tail/Turn, Red LED	Red
QL64-ARROW	Turn Arrow, Amber LED	Amber
QL64-TURN	Turn Light, Amber LED	Amber
QL64-BACKUP	Backup light, White LED	Clear
QL643V-LEFT	Installed QL64-BTT, QL64-ARROW (left facing), QL64-BACKUP	Red, Amber, Clear
QL643V-RIGHT	Installed QL64-BTT, QL64-ARROW (right facing), QL64-BACKUP	Red, Amber, Clear
QL643V-LED	Installed QL64-BTT, QL64-TURN, QL64-BACKUP	Red, Amber, Clear
QL643H-LEFT	Installed QL64-BTT, QL64-ARROW (left facing), QL64-BACKUP	Red, Amber, Clear
QL643H-RIGHT	Installed QL64-BTT, QL64-ARROW (right facing), QL64-BACKUP	Red, Amber, Clear
QL643H-LEDLEFT	Installed QL64-BTT, QL64-TURN, QL64-BACKUP	Red, Amber, Clear
QL643H-LEDRIGHT	Installed QL64-BTT, QL64-TURN, QL64-BACKUP	Red, Amber, Clear
QL644V-LEFT	Installed QL64-BTT, QL64-ARROW (left facing), QL64-BACKUP, QL64-RR	Red, Amber, Clear, Red
QL644V-RIGHT	Installed QL64-BTT, QL64-ARROW (right facing), QL64-BACKUP, QL64-RR	Red, Amber, Clear, Red
QL644V-LED	Installed QL64-BTT, QL64-TURN, QL64-BACKUP, QL64-RR	Red, Amber, Clear, Red
QL43-BACKUP	Backup light, White LED	Clear
QL43-BTT	Brake/Tail/Turn, Red LED	Red
QL43-TURN	Turn Light, Amber LED	Amber

## HOW TO ORDER LED SCENE LIGHTS

MODEL #	DESCRIPTION	SIZE
QL97LEDESCENE-SB	Scene light, White LED	9" x 7"
QL73LEDESCENE-SB	Scene light, White LED	7" x 3"
QL64LEDESCENE-SB	Scene light, White LED	6" x 4"

## HOW TO ORDER MOUNTING BEZEL OPTIONS

MODEL #	DESCRIPTION	SIZE
QL97MC	Trim Bezel, Chrome, gasket	9" x 7"
QL97MBLK	Trim Bezel, Black, gasket	9" x 7"
QL73MC	Trim Bezel, Chrome, gasket	7" x 3"
QL73MBLK	Trim Bezel, Black, gasket	7" x 3"
QL64MC	Trim Bezel, Chrome, gasket	6" x 4"
QL64MBLK	Trim Bezel, Black, gasket	6" x 4"
QL64MHL	Headlight mount kit	6" x 4"
QL643V	3 position, vertical casting, gasket, hardware only	6" x 4"
QL643H	3 position, horizontal casting, gasket, hardware only	6" x 4"
QL643V	4 position, vertical casting, gasket, hardware only	6" x 4"
QL43MC	Trim Bezel, Chrome, gasket	4" x 3"

## HOW TO ORDER ACCESSORY

MODEL #	DESCRIPTION
650302	LED Flasher, (16) channels, (40) A total capacity, K-spec compliant



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