QUADRAFLARE® PERIMETER LIGHTS

available in: ▮▮▮▮▯

> Features

- Advanced Solaris LED reflector technology
- Available in 6x4, 7x3, and 9x7 models
- 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
- Optional chrome-plated trim bezel
- 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

> Approvals

- QuadraFlare 6x4, 7x3, and 9x7 lights: NFPA 1901, GSA K-spec
- Brake/Tail/Turn/Back-up lights: FMVSS-108, SAE J2040, SAE 2261, and SAE J593

QuadraFlare 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 exterior lights are engineered to surpass NFPA and GSA Triple-K specifications for upper and lower level requirements and carry a five-year LED warranty.

QuadraFlares are available in 6x4, 7x3, and 9x7 standard models. Therefore, no special die-cut is required to the body of your fire truck or ambulance. 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 9x7 models feature unique Quad-X patterns for attention-getting warning.

QuadraFlare Brake/Tail/Turn/Back-up Lights

These assemblies house Federal Signal's 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.

5 Year Warranty

SOLARIS

A Quad Window – Fresnel lens with enhanced design provides outstanding performance to meet various industry lighting specifications.

B SOLARIS™ Reflector –Engineered to capture more light and features 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 a heat sink to allow 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, eliminating condensation and water retention.

F Surface Mount – QuadraFlare LED warning lights are designed to be surface mounted, eliminating the need to cut holes into the vehicle body.

Five Pattern Arrangements In One Model!

QuadraFlare LED perimeter lights contain a built-in flasher and maybe 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 (6x4 and 9x7 styles)

4. Horizontal flash pattern (7x3 and 9x7 styles)

4. Quad-X flash pattern (9x7 style only)

Specifications					
	Current Draw*	Input Voltage	Operating Temperature	Physical Specifications H x W x L	Ship Weight
All QL64 Models	Max 2.0A	12.8 VDC	-40*C-+65*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 lbs (0.5kg)
All QL73 Models	Max 2.0A	12.8 VDC	-40*C-+65*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 lbs (0.5kg)
All QL97 models	Max 4.0A	12.8 VDC	-40*C-+65*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 lbs (0.9 kg)
QL64Z3V-LED	Max 2.5A	12.8 VDC	-40*C-+65*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 lbs (5.0 kg)
QL64Z3V-Left/Right	Max 2.5A	12.8 VDC	-40*C-+65*C	15.1 in x 7.4 in x 1.6 in (38.4 cm x 18.8 cm x 1.6 cm)	11.0 lbs (5.0 kg)
QL643H-LED	Max 2.5A	12.8 VDC	-40*C-+65*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 lbs (5.0 kg)
QL643H-Left/Right	Max 2.5A	12.8 VDC	-40*C-+65*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 lbs (5.0 kg)
QL64Z4V-LED	Max 4.0A	12.8 VDC	-40*C-+65*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 lbs (5.7 kg)
QL64Z4V-Left/Right	Max 4.0A	12.8 VDC	-40*C-+65*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 lbs (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.

Select Model

Warning Lights						
Model #	**LED Color**	**Lens Color**	**LED Count**	**Internal Flasher**	**Split LED**	**Dimming**
6x4 QuadraFlares						
QL64XF-(color)	amber, blue, red, white, green	amber, blue, red, clear, green	10	YES		YES
QL64XFC-(color)	amber, blue, red, white, green	clear	10	YES		YES
QL64SFC-(color)(color)	amber, blue, red, white, green	clear	10	YES	YES	YES
7X3 Quadraflares						
QL73XF-(color)	amber, blue, red, white, green	amber, blue, red, clear, green	8	YES		YES
QL73XFC-(color)	amber, blue, red, white, green	clear	8	YES		YES
QL73SF-(color)(color)*	amber, blue, red, green	amber, blue, red, clear, green	8	YES	YES	YES
QL73SFC-(color)(color)	amber, blue, red, white, green	clear	8	YES	YES	YES
9x7 Quadraflares						
QL97XF-(color)	amber, blue, red, white, green	amber, blue, red, clear, green	16	YES		YES
QL97XFC-(color)	amber, blue, red, white, green	clear	16	YES		YES
QL97SF-(color)(color)*	amber, blue, red, green	amber, blue, red, clear, green	16	YES	YES	YES
QL97SFC-(color)(color)	amber, blue, red, white, green	clear	16		YES	YES

Brake/Tail/Turn/Backup/ LED warning lights		
Model #	**LED Description**	**Lens Color**
QL64Z-BTT	Brake/Tail/Turn, red LED	red
QL64Z-ARROW	Turn Arrow, amber LED	amber
QL64Z-TURN	Turn light, amber LED	amber
QL64Z-BACKUP	Backup light, white LED	clear
QL64Z3V-(LEFT or RIGHT)	Installed QL64Z-BTT, AL64Z-ARROW, QL64Z-BACKUP	red/amber,clear
QL64Z3V-LED	Installed QL64Z-BTT, AL64Z-TURN, QL64Z-BACKUP	red/amber,clear
QL64Z3H-(LEFT or RIGHT)	Installed QL64Z-BTT, AL64Z-ARROW, QL64Z-BACKUP	red/amber,clear
QL64Z3H-LED(LEFT or RIGHT)	Installed QL64Z-BTT, AL64Z-TURN, QL64Z-BACKUP	red/amber,clear
QL64Z4V-(LEFT or RIGHT)	Installed QL64Z-BTT, AL64Z-ARROW, QL64Z-BACKUP, QL64XF-R	red/amber,clear,red
QL64Z4V-LED	Installed QL64Z-BTT, AL64Z-TURN, QL64Z-BACKUP, QL64XF-R	red/amber,clear,red

Mounting Options		
Model #	**LED Description**	**Lens Color**
QL64MC	Trim Bezel, chrome, gasket	6"X4"
QL64MB	Trim Bezel, black, gasket	6"X4"
QL64MHL	Headlight mount kit	6"X4"
QL97MC	Trim Bezel, chrome, gasket	9"X7"
QL97MB	Trim Bezel, black, gasket	9"X7"
QL73MC	Trim Bezel, chrome, gasket	7"X3"
QL73MB	Trim Bezel, black, gasket	7"X3"
QL64Z3V	3 postion, vertical casting, gasket, hardware only	6"X4"
QL64Z3H	3 postion, horizontal casting, gasket, hardware only	6"X4"
QL64Z3V	4 postion, vertical casting, gasket, hardware only	6"X4"

* Single color split LEDs. Example: red/red LEDs, red lens.