FEDERAL SIGNAL

A B C G R

▸ # QuadraFlare® | Exterior Mount / Perimeter Lights

FEATURES

- Advanced Solaris LED reflector technology.
- Available in 4x3, 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.
- Five-year warranty.

APPROVALS

- QuadraFlare 4x3, 6x4, 7x3, and 9x7 lights: NFPA 1901, GSA K-spec
- SAE J595, Class 1

- Brake/Tail/Turn/Back-up lights: FMVSS-108, SAE J2040, SAE 2261, and SAE J593
- CAC Title 13 (certain flash patterns)

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 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 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 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.

Solaris®

5 YEARS LED WARRANTY

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 (4x3, 6x4 and 9x7 only)

4. Horizontal flash pattern (all QuadraFlare styles)

4. Quad-X flash pattern (4x3, 6x4 and 9x7 only)

SPECIFICATIONS

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	-30*C-+80*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 lbs (0.5 kg)
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)**	1.8 lbs (0.8 kg)
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 (0.5 kg)
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

Model #	LED Color	Lens Color	LED Count	Internal Flasher	Split LED	Dimming
4x3 QuadraFlares						
QL43-(Color)	Amber, Blue, Green	Amber, Blue, Green	12	Yes		Yes
QL43-R	Red	Red	16	Yes		Yes
QL43C-(Color) (Color)	Amber, Blue, Green, Red, White	Clear	12	Yes	Yes	Yes
QL43C-RR	Red	Clear	16	Yes		Yes
6x4 QuadraFlares						
QL64-(color)	Amber, Blue, Green	Amber, Blue, Green	12	YES		YES
QL64-R	Red	Red	16	YES		YES
QL64C-(color)	Amber, Blue, White, Green	Clear	12	YES		YES
QL64C-RR	Red	Clear	16	YES		YES
QL64C-(color)(color)	Amber, Blue, Red, White, Green	Clear	10	YES	YES	YES
7X3 Quadraflares						
QL73XF-(color)	Amber, Blue, Red, Green	Amber, Blue, Red, 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, Green	Amber, Blue, Red, 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

Model #	LED Description	Lens Color
QL43-BTT	Brake/Tail/Turn, Red LED	Red
QL43-TURN	Turn Light, Amber LED	Amber
QL43-BACKUP	Backup light, White LED	Clear
QL43D-BTT	Brake/Tail/Turn DOT, Red LED	Red
QL43D-TURN	Turn Light DOT, Amber LED	Amber
QL43D-BACKUP	Backup light, DOT, White LED	Clear
QL64-ARROW	Turn Arrow, Amber LED	Amber
QL64-TURN	Turn light, Amber LED	Amber
QL64-BACKUP	Backup light, White LED	Clear
QL64Z3V-(LEFT or RIGHT)	Installed QL64-BTT, QL64-ARROW, QL64-BACKUP	Red/Amber, Clear
QL64Z3V-LED	Installed QL64-BTT, QL64-TURN, QL64-BACKUP	Red/Amber, Clear
QL64Z3H-(LEFT or RIGHT)	Installed QL64-BTT, QL64-ARROW, QL64-BACKUP	Red/Amber, Clear
QL64Z3H-LED(LEFT or RIGHT)	Installed QL64-BTT, QL64-TURN, QL64-BACKUP	Red/Amber, Clear
QL64Z4V-(LEFT or RIGHT)	Installed QL64-BTT, QL64-ARROW, QL64-BACKUP, QL64-R	Red/Amber, Clear, Red
QL64Z4V-LED	Installed QL64-BTT, QL64-TURN, QL64-BACKUP, QL64-R	Red/Amber, Clear, Red

Mounting Bezel Options

Model #	LED Description	Size
QL43MC	Trim Bezel, chrome, gasket	4"x 3"
QL64MC	Trim Bezel, chrome, gasket	6" x 4"
QL64MHL	Headlight mount kit	6" x 4"
QL97MC	Trim Bezel, chrome, gasket	9" x 7"
QL73MC	Trim Bezel, chrome, gasket	7" x 3"
QL64Z3V	3 position, vertical casting, gasket, hardware only	6" x 4"
QL64Z3H	3 position, horizontal casting, gasket, hardware only	6" x 4"
QL64Z3V	4 position, vertical casting, gasket, hardware only	6" x 4"

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

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