Utility
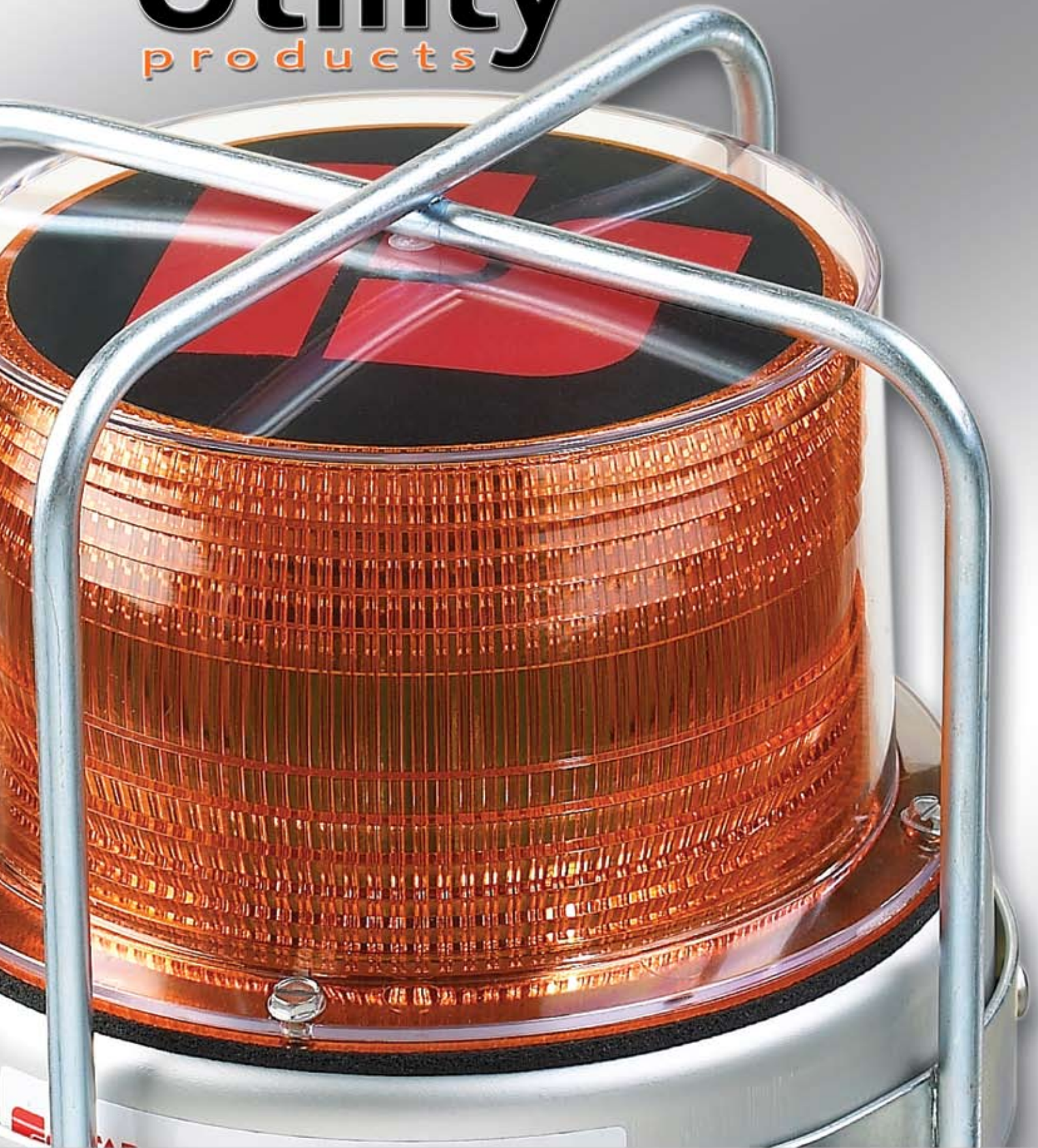## products

FEDERAL SIGNAL

Legend® CLASS 1 CAC Title 13

- Federal Signal's patent pending ROC (Reliable Onboard Circuitry™), technology eliminates approximately 85% of the potential failure points found in a typical lightbar
- Newly optimized Solaris® LED lights maximize warning signals at 360-degrees and 90-degrees off-axis
- Models available with serial communication and 6-button or 3-button controllers for ease of installation
- Five-year LED product warranty

Model	Description
	24" Model with 3-Button Controller
LGD24-00107	(10) amber LED modules, amber domes, permanent mount
	45" Model with 6-Button Controller
LGD45-00845	(18) amber LED modules, amber domes, flat mount
	45" Model discrete wire with on/off switch control
LGD45S-00007	(16) amber LED modules, amber domes, permanent mount
	53" Model with 6-Button Controller
LGD53-00570	(22) amber LED modules, amber domes, flat mount

LGD24-00107
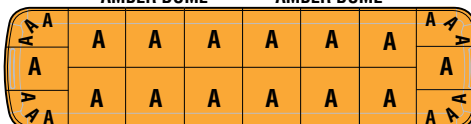
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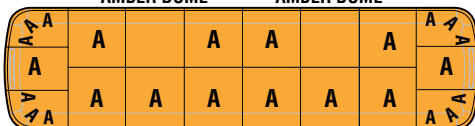
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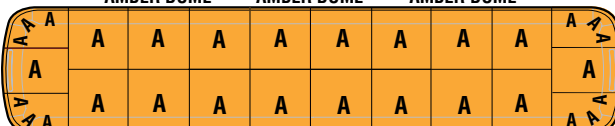
LGD53-00570

HighLighter® LED CLASS 1

- Features patented ROC (Reliable Onboard Circuitry™) LED technology
- Innovative Solaris® LED reflector design with uniform 360-degree light distribution
- Over 20 user selectable flash patterns; Magnet Select™ feature allows switchable flash patterns using a magnet
- Synchronized feature via bottom access panel; multiple LED units and LED perimeter lights
- Built-in permanent, magnetic and suction-cup magnetic mounts all in the existing HighLighter footprint
- Five-year LED product warranty

Model	Description
	Permanent Mount
454201-02	Amber LED with amber lens
454201-25	**Amber LED with clear lens**
	Suction-cup Magnet Mount — includes cigarette lighter plug with on/off switch
454200-02	**Amber LED with amber lens**
454200-25	**Amber LED with clear lens**
	Bracket Options
210883	**Self-leveling bracket**
454217	Riser mount bracket

210883
Self-Leveling Bracket

454217
Riser Mount Bracket

CLASS 1 **CAC Title 13**

HighLighter® and HighLighter® Strobe

- Three mounting options: permanent mount, magnetic mount and suction-cup mount
- Raised base makes installation and maintenance quick and easy
- 15" compact size
- Available in halogen or strobe models
- Five-year rotator warranty

Model	Description
	Halogen, Permanent Mount
450112-02	Amber dome, diagonal mirror, 12 VDC, 95 FPM, (2) rotators
450152-02	**Amber dome, diagonal mirror, 12 VDC, 120 FPM, (2) rotators**
451112-02	**Amber dome, diagonal mirror, 12 VDC, 175 FPM, (2) rotators**
	Halogen, Magnetic Mount-includes 10' cord and cigarette lighter plug with on/off switch
452142-02	**Amber dome, diagonal mirror, 12 VDC, 95 FPM, (2) rotators**
	Halogen, Suction-cup Magnetic Mount-includes 10' cord and cigarette lighter plug with on/off switch
450142-02	**Amber dome, diagonal mirror, 12 VDC, 95 FPM, (2) rotators**
	Strobe, Permanent Mount
453201-02	**Amber dome, diagonal mirror, 12 VDC, 40W, (2) strobe heads**
453001-02SB	**Amber dome, diagonal mirror, 12 VDC, 20W, (2) strobe heads**

450112-02, 452142-02, 452142-02

450152-02

451112-02

MicroEscape LED **CLASS 1**

- Solaris™ reflector technology and built-in Intelli-Flash LED flasher
- Fresnel dome optics produce a full dome of light
- Two operating modes with ten selectable flash patterns per mode
- Permanent Mount Kit included- no additional hardware is required

Model	Description
	Permanent Mount
ME4QL-A	9" Amber dome, (4) amber LED reflectors, 12 VDC
ME4QL-C-A	9" Clear dome, (4) amber LED reflectors, 12 VDC

UltraStar™ LED   CLASS 1

- LEDnode™ technology for zero-maintenance lighting; no bulbs or strobe tubes to replace
- J-Bolt mount option
- Ten selectable "strobing" flash patterns
- Completely potted electronics
- SAE J1318 Class 1
- Five-year LED product warranty

252650-02SB

Model	Description
252650-02	Amber,12-24 VDC, permanent/1" pipe mount

Pulsator® LED   CLASS 1   CLASS 2

- LEDnode™ technology for zero-maintenance lighting; no bulbs or strobe tubes to replace
- Ten selectable "strobing" flash patterns
- Flash completely fills dome; no dark spots or shadows
- SAE J845 Class 1 (212660-02)
- SAE J845 Class 2 (212650-02)
- Five-year LED product warranty

212660-02

Model	Description
	Permanent Mount
212660-02	**Class 1, 12-24 VDC, amber**
212650-02	**Class 2, 12-24 VDC, amber**

Model 651 Utility Light   CLASS 2

- Low profile, aluminum base beacon
- SAE J1318 Class 2 Approved
- Five-year product warranty on strobe models and five-year LED warranty on LED models

Model	Description
Strobe Model 651	**12 J, 16W, 12-48VDC, double flash**
420208-02	UTILITY LIGHT, blackout lens, Clear dust cover and polycarbonate mounting base, Amber
420213-02	UTILITY LIGHT, blackout lens, Clear dust cover, branch guard and aluminum 1" pipe/flush mount bottom, Amber
LED Model 651	
420222-02	UTILITY LIGHT, blackout lens, clear dust cover, branch guard, Amber LED, Amber dome
420223-02	Open style bottom, Amber LED, Amber dome

420213-02

Model 951   CLASS 1   CAC Title 13

- Automatic adjustment function at any voltage from 12-24 VDC
- Open-style aluminum base beacon
- Attached dust cover
- SAE J1318 Class 1 and CAC Title 13, Article 22
- Five-year product warranty

Model	Description
211754	Utility light, high profile, double flash, 18J, 21.3W, 12-48 VDC, hi/low, black out lens, branch guard, aluminum 1" pipe/flush mounting base
211749	High profile, double flash, 18J, 21.3W, 12-48 VDC, hi/low, aluminum 1" pipe/flush mounting base
211746	High profile, quad flash, 18J, 21.3W, 12-48 VDC, hi/low, aluminum 1" pipe/flush mounting base

211749

UltraStar™ US5 — CLASS 1

- High- and low-profile strobe beacon
- Automatic adjustment to function at any voltages from 12-24 VDC
- SAE J1318 Class 1
- Five-year product warranty

Model	Description
	Permanent Mount
250121-02	**13J, 18.4W, 12-24 VDC, double flash, tall dome, amber**
251121-02	**13J, 18.4W, 12-24 VDC, double flash, short dome, amber**

251121-02   **250121-02**

UltraStar™ US6 — CLASS 1

- High-profile, die-cast aluminum base strobe beacon including dust cover
- Automatic adjustment to function at any voltages from 12-24 VDC
- SAE J1318 Class 1
- Five-year product warranty

Model	Description
	Permanent Mount
252600-02	17/12 J, 21.3/15 W, 12-24 VDC, double flash
	Magnetic Mount
252601-02	17/12 J, 21.3/15 W, 12-24 VDC, double flash

252600-02

Model 100 — CLASS 1 CAC Title 13

- Powerful 80,000 candelas halogen rotator that draws only 4.3 amps
- Rotator "floats" on a neoprene washer to absorb vibrations
- SAE J845 Class 1
- Five-year product warranty

Model	Description
	Permanent Mount
442112-02	**12 VDC, 175 FPM, amber dome**
443112-02	**12 VDC, 95 FPM, amber dome**
443312-02	**12 VDC, 95 FPM, replacement bulb, amber dome**
442114-02	**24 VDC, 175 FPM, amber dome**

442112-02

Directional/Interior Warning Lights

Viper EXT SignalMaster™ — CLASS 1

- High output Solaris LED reflector technology
- Fully encapsulated waterproof modules
- Wide angle lens for better off-axis warning

320862

Model	Description
320842	**20", (4) lamp, 15 ft cable**
320862	**31", (6) lamp, 30 ft cable**
320882	**42", (8) lamp, 30 ft cable**
320892	**51", (8) lamp, 30 ft cable**

SignalMaster™ Plus — CLASS 2

- Individually sealed LED modules with wide-angle lens
- Sturdy aluminum extrusion
- Internal or external mounting applications

SMLED-PLS-8

Model	Description
SMLED-PLS-6	**28", (6) LED modules, 50 ft cable, clear lens, amber LEDs**
SMLED-PLS-8	**37", (8) LED modules, 50 ft cable, clear lens, amber LEDs**

LED SignalMaster™

320792

- Patterns built by sequentially activating amber lamps; each lamp remains lit until the pattern is complete
- Available patterns include: left, right, center-out and flashing warning
- Resistant to heavy shock and high vibration
- Five-year product warranty

Model	Description
	42" Model with 15' cable
320772	**Amber, (8) lamp SignalMaster**
	42" Model with 30' cable
320782	**Amber, (8) lamp SignalMaster**
	42" Model with 60' cable
320786	**Amber, (8) lamp SignalMaster**
	51" Model with 30' cable
320792	**Amber, (8) lamp SignalMaster**
	51" Model with 50' cable
320793	**Amber, (8) lamp SignalMaster**
	Systems available-SignalMaster with Controller
330312	**320782 SignalMaster and 331105 Controller**

320310   320330   320350

Halogen SignalMaster™ CAC Title 13

320172

- Patterns built by sequentially activating amber lamps; each lamp remains lit until the pattern is complete
- Available patterns include: left, right, center-out and flashing warning
- Resistant to heavy shock and high vibration

Model	Description
	41.8" Model with 15' cable
320172	**Amber, (8) lamp SignalMaster**
	41.8" Model with 30' cable
320182	**Amber, (8) lamp SignalMaster**
	41.8" Model with 50' cable
320192	**Amber, (8) lamp SignalMaster**
	Systems available-SignalMaster with Controller
322112	**320182 SignalMaster and 331105 controller**
322122	**320192 SignalMaster and 331105 controller**
322612	**51" light with 30' cable and 331105 controller**

320310   320330   320350

SignalMaster™ Controllers

330104   331105

- Combined 12 or 24 VDC operation from one controller
- One controller operates (2) 4-, 6- or 8-lamp lights
- Tactile membrane switch panel
- Operates two halogen or multiple LED SignalMaster directional lights (SMC5)
- Brighter halogen patterns
- Fourteen warning patterns (SMC5); seven warning patterns (SMC1)
- AUX IN and AUX OUT functions with eight warning patterns and steady-on mode allows customization of complete warning packages (SMC5)
- Turn signal override feature (SMC5)
- Reliable surface mount circuitry

Model	Description
330104	**SMC1 basic directional light controller**
331105	**SMC5 full-featured directional light controller**

IMPAXX™ CLASS 2

- Advanced Solaris® LED reflective light technology
- Fully encapsulated waterproof housing
- Wide variety of synchronized patterns
- Five-year LED product warranty

IPX302-2

Model	Description
IPX300-2	Clear lens, advanced off-axis lens Amber, (3) high output LEDs
IPX302-2	Colored lens, advanced off-axis lens Amber, (3) high output LEDs
IPX310-2	Colored lens, advanced off-axis lens Amber, (3) high output LEDs
IPX312-2	Clear lens, center focused light output Amber, (3) high output LEDs

Viper® EXT CLASS 1 CAC Title 13

- Advanced Solaris® LED reflective light technology
- Fully encapsulated waterproof housing
- Wide angle lens for better off-axis warning
- Five-year LED product warranty

VPX802-2

Model	Description
VPX800-2	Clear off-axis lens Amber, (8) high powered LEDs
VPX802-2	Colored off-axis lens Amber, (8) high powered LEDs

CAC Tilte 13 Approved Models, (7) built-in approved flash patterns

Model	Description
VPX813-2	Clear off-axis lens Amber, (8) high powered LEDs
VPX814-2	Amber off-axis lens Amber, (8) high powered LEDs

SignalTech™ LED Lights

- Reflector cell technology enhances brightness and reduces sunlight washout
- Enhances lens design for uniform pattern
- Solid-state components are potted to withstand rugged road conditions
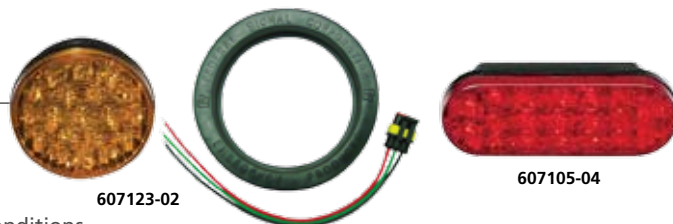
607123-02 **607105-04**

Model	Description
	Random Flashing Light Kits, 12-24V, 71 quad FPM
607123-02	Amber, 4" round (PAR 36) kit
607101-02	Amber, 6" oval kit
	STT, Turn, and Back-up LED Light Kit Models, 12-24V
607100-04	Red, 4" round STT
607102-02	Amber, 4" round, turn
607124-05	White, 4" round back-up light
607105-04	Red, 6" oval STT
607106-02	Amber, 6" oval turn
607125-05	White, 6" oval back-up light

QuadraFlare® 7"x 3" LED

QL73XFC-A

- Advanced Solaris® LED reflective light technology in an industry standard 7x3 shape
- Superior off-axis lighting performance
- A variety of industry approved flash patterns
- All models include built-in flasher
- Five-year LED product warranty

Model	Description
QL73XFC-A	Clear lens, amber LEDs
QL73XF-A	Amber lens, amber LEDs

QuadraFlare® 6"x 4"LED

QL64XF-A

- Advanced Solaris® LED reflective light technology in an industry standard 6x4 shape
- Built-in flasher featuring a variety of selectable patterns
- Five-year LED product warranty

Model	Description
QL64XF-A	Amber lens, amber LEDs
QL64XFC-A	Clear lens, amber LEDs

QuadraFlare® 9"x 7"LED CLASS 1 CAC Title 13

QL97XF-A

- Advanced Solaris® LED reflective light technology in an industry standard 9x7 shape
- Fully encapsulated waterproof housing
- Wide variety of synchronized patterns
- Five-year LED product warranty

Model	Description
QL97XF-A	Amber lens, amber LEDs
QL97 XFC-A	Clear lens, amber LEDs

Silver Series™ Remote Strobe System

- Four channel power supply
- Seven selectable flash patterns and dual light head cut-off feature
- Potted cavity resists moisture and vibration
- Compact size; mount virtually anywhere
- Three-year product warranty

416129

Model	Description
	Pre-configured Strobe System Models
416127	SS4A power supply system with AMP connectors, (4) clear corner strobes, (2) 16' and (2) 30' cables
416129	SS4A power supply system with AMP connectors, (4) clear corner strobes, (4) 16' cables
	Power Supply Models (one channel per strobe head required)
416109	SS4A, four-channel
	Strobe Head Models
601103-02	Oval, amber, AMP connector
602111-02	Amber tube corner strobe

Wireless VisiBeam®

- Ergonomically designed wireless transmitter operates over 100 ft
- Up to (4) transmitters programmable to operate (1) light
- "Gradual start" enables pinpoint light beam placement
- Continuous 360-degree horizontal and 140-degree vertical adjustment

Model	Description
	Permanent Mount
620200	12 VDC, 100W, wireless control
	Magnetic Mount with cigarette lighter plug
620200	12 VDC, 100W, wireless control

VisiBeam® II

- Operated by handheld remote control with an indicator light to show when the spotlight is in use
- Adjusts 105-degrees up and 35-degrees down from horizontal and rotates a full 360-degrees
- "Gradual start" enables pinpoint placement of light beam
- Velcro and "snap holder" mount included to mount control when not in use

Model	Description
	Permanent Mount
620122	12 VDC, 100W
	Magnetic Mount with cigarette lighter plug
620152	12 VDC, 100W

Tractor and Utility
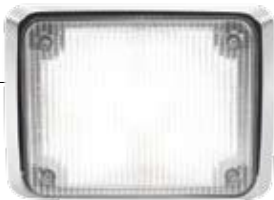
▪ High powered halogen beam
▪ Resistant construction reduces damage to bulbs
▪ Heavy gauge metal brackets

Model	Description
325541	Rectangle work lamp, sealed beam, flood pattern

9"x 7" Scene Lights

▪ Available in halogen or LED models
▪ Surface mounted LED models
▪ LED models feature Solaris reflector technology
▪ Industry standard mounting dimensions

QL97HSCENE   QL97LEDSCENE

Model	Description
QL97HSCENE	Area light, halogen
QL97LEDSCENE	Area light, LED, surface mount

Back-up Alarms

Evacuator® and Specialty Alarms

▪ Alarms have a wide range of decibel and voltage options
▪ Solid-state design protects and resists the effects of vibration
▪ Sealed unit protects internal components from moisture and contaminants

210502   210331

Model	Description
	Evacuator Model
210339	Single-function, 12-24 VDC, 97 dB
	Evacuator Plus Models
210330	Dual-function, 12-48 VDC, 87 dB
210331	Dual-function, 12-48 VDC, 97 dB
210333	Dual-function, 12-48 VDC, 107 dB
210335	Dual-function, 12-48 VDC, 112 dB
	Reactor Model
210502	107 dB and 112 dB (manually adjustable), 12-24 VDC

Mobile Camera Systems

- All cameras are high-resolution, color Sony CCD cameras
- TFT-LCD color monitors available in 5.6" or 7.0"
- Most cameras equipped with automatic day/night sensor and infrared LEDs for night vision
- Multiple camera cable lengths available
- Digital Video Recorder (DVR) with video and audio feed available
- Wide operating temperature range for all cameras: -22°F to 149°F
- Multi-voltage capability (12/24 VDC)
- Two-year limited warranty

Model	Description
	Systems
CAMSET56-NTSC-2	**5.6" Monitor with two-camera input, (1) standard rear-view camera, (1) 65.5-ft extension cable**
CAMSET70-NTSC4B	**7.0" Monitor with four-camera input, (1) standard rear-view camera, 65.5-ft extension cable**
	Monitors
CAMLCD-70	**7.0" TFT-LCD monitor**
CAMLCD-INT-56	**5.6" TFT-LCD monitor with two-camera input integrated control box without split-screen capability**
CAMLCD-INT-70B	**7.0" TFT-LCD monitor with four-camera input integrated control box with split-screen capability**
	Cameras
CAMCCD-REARNTSC	**Standard rear-view CCD camera with night vision and audio, NTSC compatible**
CAMCCD-SIDENTSC	**Side-view CCD camera with night vision and audio, NTSC compatible**
CAMCCD-FLSHNTSC	**Bullet/Flush-mount CCD camera, NTSC compatible**
CAMCCD-BALLNTSC	**Ball CCD camera with night vision and audio, NTSC compatible**
CAMCCD-DOMENTSC	**Dome CCD camera with night vision and audio, for indoor use only, NTSC compatible**
	Cables
CAMCABLE-5	**5-m/16.5-ft camera-to-monitor extension cable**
CAMCABLE-10	**10-m/33-ft camera-to-monitor extension cable**
CAMCABLE-15	**15-m/49-ft camera-to-monitor extension cable**
CAMCABLE-20	**20-m/65.5-ft camera-to-monitor extension cable**
CAMCABLE-40	**40-m/131-ft camera-to-monitor extension cable**
CAMCABLE-TRK	**Truck/trailer cable set**
	Accessories or Kits
CAMDVR-4-B	**Digital video recorder**
CAMADP-EXT	**Camera cable adapter for connecting (2) extension cables together**
CAMADP-RCA-IN	**System adapter for connecting external RCA monitor**
CAMADP-RCA-OUT	**System adapter for connecting external RCA input**
CAMBRK-HD	**Heavy-duty monitor mount**
CAMCABLE-SHORT	**Camera extension cable, 4"**
CAMLCD-BRACKET	**Mounting bracket, monitor**
	Common Replacement Parts
CAMADP-INT-2	**Replacement wiring harness**
CAMADP-INT-4	**Replacement wiring harness**

CAMCCD-FLSHNTSC CAMCCD-SIDENTSC CAMCCD-REARNTSC CAMCCD-DOMENTSC (indoor use only) CAMCCD-BALLNTSC

FEDERAL SIGNAL

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