

**911 Ozzie™ Oscillating Monitor**

Portable Oscillating Monitor with a water-driven motor for unaided operation. The unit shall have a flow capability of 375 gpm with a single 2 1/2" swivel inlet. The unit shall also have up to a 60° sweep span and a minimum 40° sweep per minute speed at rated pressure. It shall be constructed of lightweight Pyrolite® for easy handling and the weight shall not exceed 29 lbs.

**922 OzzieMaster™ Oscillating Monitor**

Portable Oscillating Monitor with a water-driven motor for unaided operation. The unit shall be compatible with both the single and dual inlet Apollo Ground Bases. The unit shall flow 1000 gpm with the Apollo Single Inlet Ground Base and 750 gpm with the Apollo Dual Inlet Ground Base and the direct mount flange. The unit shall also have up to 50° sweep span. It shall be constructed of lightweight Pyrolite for easy handling and the weight shall not exceed 28 lbs.

**1494 Electric Ladder Pipe**

An all-electric ladder pipe rated for 1000 gpm, constructed of lightweight Pyrolite® with a 2 1/2" or 3" swivel inlet, 2 1/2" NH outlet and a weight not to exceed 30 lbs. The monitor shall be less than 37" in length and have a vertical rotation of 135° with three adjustable stops. The monitor shall have a fully enclosed 12 or 24 volt motor and gears with manual override for the vertical rotation. The logic box shall include coated, solid state components to resist water corrosion. Each control box shall control the vertical rotation of the monitor along with the pattern of the nozzle, and the lower control box will override the upper control box when operated simultaneously. The ladder pipe shall have either round or square mounting clamps that are adjustable to fit up to a 16" rung spacing.

**1495 Ladder Pipe**

A split waterway ladder pipe monitor rated for 1000gpm, constructed of lightweight Pyrolite with a 2 1/2" or 3" swivel inlet, 2 1/2" outlet and a weight not to exceed 27 lbs. The monitor shall be less than 40" in length and have a vertical elevation of 135° with 12 adjustable handle positions. The horizontal rotation shall be limited to 15° of sweep either side of center and have a positive lock at the center position. The ladder pipe shall have either round or square mounting clamps that are adjustable to fit up to 16" rung spacing.

**3350 TuckAway™ Electric Monitor**

The 1000gpm rated monitor is to be an all electric single waterway monitor constructed of lightweight Pyrolite with a 3" or 4", 150 lbs flange inlet and a 2 1/2" threaded outlet. Each elbow shall have cast-in turning vanes and the friction loss at full flow shall not exceed 24 lbs. The monitor shall have fully enclosed 12 or 24volt motors and gears with manual overrides for both horizontal and vertical rotation. The outlet vertical rotation shall be 240° of travel from 90° above horizontal to 150° below horizontal. The horizontal rotation shall be 180° and may be adjusted to ± 45° from center. The monitor shall have a one-touch automatic stow and deploy function that will stow the nozzle underneath itself for protection. The weight of the monitor including nozzle shall be less than 65lbs. The logic box shall include coated, solid state components to resist water corrosion. Each control box shall control the vertical and horizontal rotation of the monitor, the stow and deploy function, and the pattern of the nozzle. The monitor shall be programmable to learn a new stow or deploy position and shall have a diagnostic light for troubleshooting and a connection for a deploy indicator light.

**3414 Apollo™ Single Inlet Portable and Deck Monitor**

3416 Portable ground base monitor same as the 3421/3423 Apollo Dual Inlet, except specify inlet as a single 4", 4 1/2", or 5" thread or 4" or 5" storz, and gpm flow in the portable mode is 1000 gpm. Deck height not to exceed 12', base weight 38 1/2 lbs., liftoff weight: 23 lbs.

**3421 Apollo™ Dual Inlet Portable and Deck Monitor**

3423 Portable ground base monitor with two 2 1/2" or 3" clappered swiveled inlets. The base will have folding legs with no locking mechanism required to keep legs in place. The monitor shall have handwheel elevation control from 80° above to 15° below horizontal with an elevation safety stop at 35° above horizontal; 360° continuous rotation in the deck mode flowing 1250 gpm and 180° in the portable mode flowing 800 gpm; horizontal locking mechanism and stops to prevent accidental over-rotation; a full 3" waterway with cast-in turning vanes in each elbow and a 3" NPT & 3" flange. The monitor shall also include a pressure gauge, carry handle, grease fittings, safety chain, carbide tipped ground spikes and Pyrolite® construction. Deck height not to exceed 12', base weight: 32 lbs., liftoff weight: 23 lbs.

**3425 Aries Monitor**

An Akron Brass Monitor item 34250001 shall be made of lightweight Pyrolite construction and have a 3" single waterway with a max flow up to 1250 gpm shall be provided. All elbows shall have cast-in turning vanes. A single hand wheel for elevation control from 15° below to 80° above horizontal and a horizontal travel to be 360° with a twist lock brake. Monitor shall have a 3" 150 lb flange inlet and 2.5" NH threaded outlet.

**3426 3" Apollo™ Monitor**

An Akron Brass item 34260007 single waterway monitor made of lightweight Pyrolite finish with friction loss not to exceed 25 psi at 1250 gpm shall be provided. Monitor shall have a 3" flange waterway with a 2.5" NH discharge outlet. The vertical and horizontal travel locks shall incorporate an off center brake handle and full contact brake band within the swivel joint. All elbows shall have cast-in turning vanes. Monitor shall have a vertical travel of 150° and horizontal travel of 360°.

**3433 Apollo™ Hi-Riser™ Dual Inlet Portable and Deck Monitor**

Portable ground base monitor with two 2 1/2" or 3" clappered swivel inlets. Base shall have folding legs with no locking mechanism required to keep legs in place. The monitor shall have handwheel elevation control from 90° above to 45° below horizontal with an elevation safety stop 35° above horizontal; 360° continuous rotation in the deck mode flowing 1250 gpm and 180° in the portable mode flowing 800 gpm; horizontal locking mechanism and stops to prevent accidental over-rotation; a full 3" waterway with cast-in turning vanes in each elbow and a 3" direct mount flange. While in the deck mode, the unit must have the ability to pivot to a position 24" above the base of the flange. The monitor shall also include a pressure gauge, carry handle, grease fittings, safety chain, carbide tipped ground spikes and Pyrolite® construction. Deck mount not to exceed 15 1/4" in the stowed position. Liftoff weight: 31 lbs. base weight: 32 lbs.

## 3431 Apollo Hi-Riser™ Single Inlet Portable and Deck Monitor

Portable ground base monitor same as the Style 3433 Apollo Hi-Riser, except specify inlet as a single 4", 4 1/2", or 5" thread or 4" or 5" storz, and gpm flow in the portable mode is 1000 gpm. Liftoff weight: 31 lbs. base weight 38 1/2 lbs

## 3436 4" Apollo™ Monitor

A single waterway monitor made of lightweight Pyrolite finish with friction loss not to exceed 20 psi at 2000 gpm. Monitor shall have a 4" waterway with a 3 1/2" NPSH or 4" NH discharge outlet. The vertical and horizontal travel locks shall incorporate an off center brake handle and full contact brake band within the swivel joint. All elbows shall have cast-in turning vanes. Monitor shall have a vertical travel of 150° and horizontal travel of 360°.

## 3437 4" Omega™ Monitor

Single waterway brass monitor with friction loss not to exceed 20 psi at 2000 gpm. Monitor to be all-brass construction with 4" waterway and 3 1/2" NPSH discharge. The vertical and horizontal travel locks shall incorporate an off center brake handle and full contact brake band within the swivel joint. All elbows shall have cast-in turning vanes. Monitor shall have a vertical travel of 150° and horizontal travel of 360°.

## 3440 DeckMaster™ Electric Monitor

The 1250 gpm rated monitor is to be an all electric single waterway monitor with automated elevating capability, 3" 150 pound flange inlet, 2 1/2" NH threaded outlet, cast-in turning vanes in each elbow, constructed of lightweight Pyrolite. The monitor shall have fully enclosed 12 or 24 volt motor and gears with manual override for horizontal, vertical, and elevation rotation. Each manual over-ride will have a non-captive crank with a clip bracket on the monitor for storage. The monitor is not to exceed 17" high, waterway will elevate to a height of 24" above the base of the flange. The outlet shall have a vertical rotation of 45° below horizontal to 90° above horizontal and 344° of horizontal rotation will be achievable with adjustable stops. The logic box shall include coated, solid state components to resist water corrosion and include a set of DIP switches for built in options. Each control box shall control the vertical and horizontal position of the monitor, along with the pattern of the nozzle. The control box will have a toggle switch with guard to move the monitor into the stowed or deployed position. The control panel will have a light to indicate when the monitor is out of the stowed position and diagnostic for trouble shooting with provisions for a second light in the vehicle cab. The stow and deploy position can be easily changed by the end user.

## 3443 Mercury™ Quick Attack Monitor

The 500 gpm portable monitor shall be a lightweight, compact size, quick attack monitor. It shall have a 2 1/2" inlet with a full time swivel and a 2 1/2" outlet. The monitor shall weigh no more than 14 lbs less the nozzle, and have dimensional layout of 9"H x 14.5"L x 23.5W (deployed). The legs shall fold away to reduce the width down to 7.75". The monitor shall have ± 20° of rotation and 60° to 30° elevation range for unmanned use. The handle shall consist of a spring-loaded mechanism that lets the user travel down to 20° of elevation for manned use. The legs shall have a T design and have carbide tipped spikes. The monitor shall have a safety strap and hook that is mounted to the monitor and can be hooked to itself to be used as a carrying strap. The monitor shall have an un-obstructed waterway with a friction loss of no more than 8psi at full flow. It shall have a Ball shut-off valve with the Akron Tork-Lok mechanism. The material shall be of Pyrolite construction with the Akro-Tec coating and chrome trim. The outlet shall have a reflective band for night visibility and integrated stream shaper for better stream performance.

## 3446 3446 MercuryMaster 1000™ Monitor

The 1000gpm portable monitor shall be a lightweight, compact size monitor. It shall have a 2 1/2" or 3" dual inlet with a full time swivel or single inlet with 3 1/2" to 5" swivels or 4" or 5" storz inlets with a 2 1/2" outlet. The monitor should weigh no more than 24lbs less the nozzle, and have dimensional layout of 9 3/4"H x 21"L x 25"W (deployed). The legs shall fold away to reduce the width down to 12 1/2". The monitor shall have ±20° of rotation and 60° to 30° elevation range for unmanned use. The legs shall have a T design and have carbide tipped spikes. The monitor shall have a safety strap and hook that is mounted to the monitor and can be hooked to itself to be used as a carrying strap. The monitor shall have an unobstructed waterway with a friction loss no more than 12 psi at full flow. It shall have a Ball shut-off valve with the gear actuator mechanism. The material shall be of Pyrolite construction with the Akro-Tec coating and chrome trim. The outlet shall have a reflective band for night visibility and an integrated stream shaper for better stream performance.

## 3463 FireFox™ Electric Remote Controlled Monitor

The 500 gpm rated monitor is to be an all electric single waterway monitor constructed of lightweight Pyrolite with a 2" or 2 1/2" NPT inlet with an option for a 2" NPT quick disconnect or 2 1/2" flange inlet. The monitor shall have a 1 1/2" outlet with cast-in turning vanes in each elbow. The monitor shall have fully enclosed 12 or 24 volt motor and gears with manual overrides for both horizontal and vertical rotation and may be operated simultaneously. The monitor is not to exceed 11 3/4" high and 11 1/2" wide. The vertical travel shall be from 45° below to 90° above horizontal with adjustable stops at -20° and +45°. The horizontal rotation shall be 320° with adjustable stops at ± 90°. The logic box shall include coated, solid state components to resist water corrosion. Each control box shall control the vertical and horizontal rotation of the monitor, and the pattern of the nozzle. The nozzle shall have a fixed or adjustable gallonage baffle and an electric flush feature. Optional 2" valve Auto Oscillation and stow feature.

## 3470 Gemini™ Monitor

A split waterway deck pipe with two handwheel controls. Unit shall have gear operated horizontal travel of 360°. Friction loss not to exceed 10 psi at 1000 gpm. Constructed of lightweight exceed 10 1/4". To be equipped with pressure gauge and gauge guard and 2 1/2" male thread discharge.

## 3471 Gemini Monitor

Change Style 3470 specifications from Pyrolite to brass.

## 3491 Severe-Duty Monitor

An Akron Brass, Severe-Duty Monitor item 34910001 shall be provided. The 750gpm rated monitor shall be an all electric single waterway monitor constructed of heavy duty steel. The Severe-Duty monitor shall have a 2 1/2" NPT inlet and a 2 1/2" NH outlet. The monitor shall have fully enclosed 24 volt or hydraulic motors. Each joint shall be ball bearing free and have a maximum pressure rating of 200psi. The monitor shall not to exceed 10"H x 10 1/2" W x 11 1/2" L. The vertical travel shall be from 65° below to 90° above horizontal and the horizontal rotation shall be 320°. Each control box shall control the vertical and horizontal rotation of the monitor. The travel speed for each joint shall be 20°/sec. The monitor shall have the option for a programmable stow position, auto oscillation, and control of valve operation.

## 3525 Brass Aries™ Monitor

Monitor shall have a 3" single waterway with a flow up to 1250 gpm. All elbows shall have cast-in turning vanes. Single hand wheel for elevation control from 60° below to 90° above horizontal. Horizontal travel to be 360° with a twist lock. 3" or 4" 150 lbs. flange inlet and 2 1/2" NH outlet. The monitor shall have "U" port for an optional drain valve.

## 3526 3" Omega™ Monitor

Single waterway brass monitor with friction loss not to exceed 10 psi at 800 gpm. Monitor to be all brass construction with 3" waterway and 2 1/2" male discharge. The vertical travel lock shall incorporate a friction lock within the swivel joint. All elbows shall have cast-in turning vanes. Monitor shall have a vertical travel of 150° and horizontal travel of 360°.

## 3578 StreamMaster™ Electric Monitor

The 2000 gpm rated monitor is to be an all electric single waterway monitor constructed of lightweight Pyrolite® with a 4", 150 lbs. flange inlet and 3 1/2" NH thread outlet with cast-in turning vanes in each elbow. The monitor shall have fully enclosed 12 or 24 volt motor and gears with manual overrides for both horizontal and vertical rotation. The manual overrides shall have captive cranks, one for horizontal and one for vertical rotation, and may be used simultaneously. The monitor is not to exceed 16 1/4" high and 12 1/4" wide. The outlet vertical rotation shall be from 45° below to 90° above horizontal with adjustable stops. The adjustable horizontal rotation stops shall be preset at 90° left and right of center and a rotation of 348° shall be possible. The logic box shall include coated, solid state components to resist water corrosion. Each control box shall control the vertical and horizontal rotation of the monitor, and the pattern of the nozzle and the lower control box must override the upper control box when operated simultaneously. The monitor shall have automatic stow capabilities for aerial applications. The control box for stow will have a toggle switch with guard to move the monitor in the stowed position and the logic box will have provision for a light to indicate when the monitor is deployed and additional signal for the truck interlock systems. The control box will have either an indicator light for deploy with a 10 conductor cable or without an indicator light with a 7 conductor cable for limited wiring. The monitor shall have an option for position feedback potentiometers for more accurate stow locations, learned oscillation range and for position indication.

## 3598 StreamMaster™ XT

The 2000 gpm rated monitor is to be an all electric single waterway monitor constructed of lightweight Pyrolite® with a 4", 150 lbs. flange inlet and 3 1/2" NH thread outlet with cast-in turning vanes in each elbow. The monitor shall have fully enclosed 12 or 24 volt motor and gears with manual overrides for both horizontal and vertical rotation. The manual overrides shall have captive cranks, one for horizontal and one for vertical rotation, and may be used simultaneously. The monitor is not to exceed 16 1/4" high and 12 1/4" wide. The outlet vertical rotation shall be from 45° below to 120° above horizontal with adjustable stops. The adjustable horizontal rotation stops shall be preset at 90° left and right of center and a rotation of 348° shall be possible. The logic box shall include coated, solid state components to resist water corrosion. Each control box shall control the vertical and horizontal rotation of the monitor, and the pattern of the nozzle and the lower control box must override the upper control box when operated simultaneously. The monitor shall have automatic stow capabilities for aerial applications. The control box for stow will have a toggle switch with guard to move the monitor in the stowed position and the logic box will have provision for a light to indicate when the monitor is deployed and additional signal for the truck interlock systems. The control box will have either an indicator light for deploy with a 10 conductor cable or without an indicator light with a 7 conductor cable for limited wiring. The monitor shall have an option for position feedback potentiometers for more accurate stow locations, learned oscillation range and for position indication.

## 3580 Renegade™ Electric Monitor

The 5000 gpm rated monitor is to be an all electric dual water way monitor constructed of lightweight Pyrolite with an 8", 150 lbs flange inlet and a 6", 150 lbs flange or 6" Storz outlet. Each elbow shall have cast-in turning vanes and the friction loss at full flow shall not exceed 27 lbs. The monitor shall have fully enclosed 12 or 24volt motors and gears with manual overrides for both horizontal and vertical rotation. The current draw for each motor shall not exceed 3 amps while flowing. The monitor shall be able to orientate the middle elbow in three positions 90°, 45° & 22.5°. The outlet vertical rotation shall be from 45° below to 90° above horizontal. The horizontal rotation shall be 340° and may be adjusted to ± 20° from center. Each axis shall have potentiometer for positioning feed back and the weight of the monitor with nozzle shall be less than 200 lbs. The logic box shall include coated, solid state components to resist water corrosion. Each control box shall control the vertical and horizontal rotation of the monitor, and the pattern of the nozzle. The monitor shall have an option for automatic stow capabilities on aerial applications.

## 3671 Conquest Manual Monitor

Heavy duty cast brass monitor shall have a 4" internal diameter single waterway with flow rates to 2000 gpm. Manual positioning shall be with two hand wheels (one for rotation and one for elevation) through a sealed, enclosed gearbox that uses a worm gear drive to hold set positions. Rotation is 360°, elevation is 90° above and 85° below horizontal. Water inlet shall be a 4" 150 lbs. flange mount, discharge is 3 1/2" NH thread. Elbows shall contain built in turning vanes. Rotational joints shall be of ball bearing construction and have grease fittings.

## 3690 Storm™ Manual Monitor

Heavy duty cast brass monitor shall have a 5" internal diameter single waterway with flow rates to 2000 gpm. Manual positioning shall be with two hand wheels (one for elevation and one for vertical) through a sealed, enclosed gearbox that uses a worm gear drive to hold set positions. Rotation is 360°, elevation is 85° above and 45° below horizontal. Water inlet shall be a 4" 150 lbs. flange mount, discharge is 4" or 3 1/2" NH thread. Elbows shall contain built in turning vanes. Rotational joints shall be of ball bearing construction and have grease fittings.

## 3061 Portable and Truck By-Pass Eductors

3062 The 60, 95, or 125 gpm bypass eductors shall be of brass construction, and be capable of adjusting the handle in one of eight positions by the removal of one bolt. The eductor shall have 2" victaulic or threaded connections, and have an infinitely adjustable metering panel with detents at 1/4, 1/2, 1, 3 & 6%. The unit shall be capable of having an off truck access kit operating through the metering panel by use of a quick disconnect.

## 2681 Brass Leader Line Wye

A 2 1/2" female x 1 1/2" male x 1 1/2" male wye constructed of corrosion resistant brass. The wye shall have break-resistant handles with built-in stops, square drive trunnions with Teflon thrust bearings and the seats shall be externally adjustable.

## 7980 Black Max™ Piston Intake Valve

The Piston Intake Valve shall be constructed of lightweight, corrosion-resistant, hard-anodized and poly-impregnated aluminum and stainless steel. The valve shall have an adjustable (50 to 250 psi) relief valve, a 3/4" air bleeder, a built-in 53° down angle inlet, a stainless steel drive screw and piston nut, a hand wheel with fold-away knob, a polymer piston, a durable non-stick seat, and a minimum 4 3/4" diameter waterway with cast-in turning vane. The valve shall not exceed 7 psi friction loss at 2000 gpm and 11 15/16" in depth. Must specify inlet and outlet. Product must carry a 10 year warranty.

## 8600 Heavy Duty Swing-Out™ Valves 1"-3 1/2" 8800

The valve shall have an all brass body with flow optimizing stainless steel ball and dual polymer seats. The valve shall be capable of dual directional flow while incorporating a self-locking ball feature using an automatic friction lock design and specially designed flow optimizing stainless steel ball. All stainless steel parts must be 316 grade for increased resistance to corrosion. The valve shall not require lubrication of seats or any other internal waterway components, and must be capable of swinging out of the waterway for maintenance by the removal of six bolts. The valve shall be compatible with a slow closing devise. This valve shall be operated using manual handles, a Rack & Sector, manual gear or electric actuator. The manual handles shall be quickly adjustable to one of eight handle positions and require only 90° travel. The electric actuator shall have a 16:1 gear ratio, which actuates from fully open to fully closed in 5 seconds, a clutchless motor and utilize an electric controller with current limiting design. The gear actuator shall operate at a 50:1 gear ratio, which operates from fully open to fully closed in 12 rotations and utilizes 4" diameter chrome Handwheel (an optional Position Indicator shall also be available). The valve shall be manufactured and assembled in the United States. Product must carry a 10 year manufacturer's warranty.

## 8840 4" Swing-Out™ Valve Specifications

The valve shall have an all cast brass valve body with a 4" full flow waterway ideal for flows up to 2000 gpm and a maximum body length of 4". The valve shall utilize a bronze flat ball design with a single UHMW seat and be structurally rated to 500 psi with a 250 psi operating pressure. The valve shall not require the lubrication of seats or any other internal waterway parts, and be capable of swinging out of the waterway for maintenance by the removal of six bolts. An electric, air, or manual gear actuator shall actuate the valve. The electric actuator shall have a 25:1 gear ratio, which actuates from fully open to fully close in 8 seconds, a clutchless motor, and utilize an electric controller with current limiting design. The gear actuator shall operate at a 50:1 gear ratio, which actuates from fully open to fully closed in 12 rotations, and utilizes a 6" diameter chrome hand wheel. The air actuator shall operate between 80-120 psi and be equipped with an emergency override.

## 1577 SaberMaster™

A combination solid stream and fog master stream nozzle with the capability to flow either a true unobstructed solid bore stream or fully adjustable fog stream. The solid bore shall be a full 2" (1 5/16" optional) diameter and the fog shall be rated to flow 1250 gpm at 80 psi. The nozzle shall have electric pattern selection from solid bore to wide fog controlled by a 12V or 24V motor, a built-in stream shaper, a 2 1/2" swivel or 3 1/2" swivel base, and be construction of durable, lightweight Pyrolite. The nozzle shall also be equipped with a manual override feature to allow manual stream adjustment.

## PL- Series Portable Hand Light Specifications

The portable hand light shall be constructed of powder coated aluminum with a quartz-halogen lamp. The light head shall be capable of operating at either 120 or 240 volts. The light head shall allow lamp replacement from the front of the light head and tilt up and down by the use of a heavy-duty handle. The light head shall be mounted on a heavy duty, cast aluminum ground tripod base with rubber feet. The tripod base shall be powder painted to match the light head. The portable hand light shall have all threaded holes on the ground base and light head use stainless steel thread inserts and stainless steel hardware. The portable hand lights wiring shall be totally enclosed in a precast housing located on the underside of the ground tripod base. A precast tapered boss on the bottom of the light base shall allow the Portable Hand Light to be mounted in any position using the manufacturers spring pin mounting bracket. Each hand portable light shall be equipped with a 12" pigtail and a plug to match existing receptacles used by the end user. The portable hand light shall have an option for a chrome plated wire guard, a light on/off switch, and a spring pin mounting bracket.

## Extenda-POD Specifications

The portable tripod light shall be of aluminum construction with a quartz halogen lamp. The portable tripod light shall be capable of being used as a pull up light in its mounted position or as a portable lighting tower when removed from its mounted position. All mounting brackets and pole fittings shall be heavy duty, powder coated cast aluminum. The portable tripod poles and legs shall be made only from drawn aluminum tubes. Each pole shall be deep etched and clear anodized to ensure corrosion resistance and durability. The tripods telescoping pole shall rotate 360 degrees left or right and have a light head mounted on to the top of the tripod with a 3/4" threaded housing arm assembly. The portable tripod light shall be equipped with a powder coated aluminum light head and quartz-halogen lamp. The light head shall be capable of operating at either 120 or 240 volts. The light head shall allow lamp replacement from the front of the light head and tilt up and down by the use of a heavy-duty handle. The portable tripod light shall have all threaded holes on the tripod base and light head use stainless steel thread inserts and stainless steel hardware. The portable tripod light shall have an overall stowed or mounted height not exceeding 6', a minimum total extended tripod height of 11' from the ground to the top of the light head, and be equipped with a 12" pigtail and plug to match existing receptacles used by the end user. The portable tripod light shall have an option for a chrome plated wire guard, a light on/off switch, and a two piece tripod mounting bracket set.

## Extenda-Lite® Pull-Up Light Specifications

The Pull-up Light shall be a telescoping pole of drawn aluminum construction and shall be mounted per the customer's request. All mounting brackets and pole fittings shall be heavy duty, powder coated cast aluminum. The outside pole shall be 58" long and the inside pole shall be 48" in length as standard or lengths can be adjusted by the manufacturer as required to fit a specified mounting location. The inside pole shall rotate 360 degrees left or right and have a knob to hold it in place. An ISO 9001 Company shall manufacture the Pull-Up Light. The Pull-Up Light shall be equipped with a powder coated aluminum light head and an HID, Metal Halide, or Quartz-Halogen lamp. The light head shall be capable of operating at either 12, 120 or 240 volts. The light head shall allow lamp replacement from the front of the light head, and tilt up and down by the use of a heavy-duty handle. The Pull-Up Light shall have all threaded holes on the telescoping pole, brackets and light head use stainless steel thread inserts and stainless steel hardware. The Pull-Up Light shall have an option for a chrome plated wire guard, a light on/off switch, dual light heads, a knurled outside pole, an up indicator switch, a no mark kit, and a two piece stop collar. The apparatus manufacturer shall provide wiring for each of the installed lights and it shall be capable of carrying the maximum load required by that light and protected by a properly sized circuit breaker.

## Extenda-Lite® Push-Up Light Specifications

The Push-Up Light shall be a bottom raised telescoping pole of drawn aluminum construction and shall be mounted per the customer's request. All mounting brackets and pole fittings shall be heavy duty, powder coated cast aluminum. The inside pole shall be 60" long and the outside pole shall be 11 1/2" in length as standard or lengths can be adjusted by the manufacturer as required to fit a specified mounting location. The inside pole shall rotate 360 degrees left or right and have a knob to hold it in place. An ISO 9001 Company shall manufacture the Push-Up Light. The Push-Up Light shall be equipped with a powder coated aluminum light head and an HID, Metal Halide or Quartz-Halogen Lamp. The light head shall be capable of operating at either 12, 120 or 240 volts. The light head shall allow lamp replacement from the front of the light head and tilt up and down by the use of a heavy-duty handle. The Push-Up Light shall have all threaded holes on the telescoping pole, brackets and light head use stainless steel thread inserts and stainless steel hardware. The Pull-Up Light shall have an option for a chrome plated wire guard, a light on/off switch, dual light heads, a knurled outside pole, an up indicator switch, a no mark kit, and a two piece stop collar. The apparatus manufacturer shall provide wiring for each of the installed lights and it shall be capable of carrying the maximum load required by that light and protected by a properly sized circuit breaker.

## Extenda-Lite® Air Operated Light Specifications

The Air Operated Light shall be a pneumatically raised telescoping pole of drawn aluminum construction and shall be mounted per the customer's request. All mounting brackets and pole fittings shall be heavy duty, powder coated cast aluminum. The inside pole with the light head attached shall rise up and down pneumatically. All electric controls and pneumatic actuators shall be installed in a compact 6" x 6" x 8" sealed enclosure with the 12 volt control switch to be supplied by the customer. The outside pole shall be 58" long and the inside pole shall be 42" in length as standard or lengths can be adjusted by the manufacturer as required to fit a specified mounting location. The outside pole shall rotate 360 degrees left or right and have a knob to hold it in place. An ISO 9001 Company shall manufacture the Air Operated Light. The Air Operated Light shall be equipped with a powder coated aluminum light head and an HID, Metal Halide, or Quartz-Halogen lamp. The light head shall be capable of operating at either 12, 120 or 240 volts. The light head shall allow lamp replacement from the front of the light head, and tilt up and down by the use of a heavy-duty handle. The Air Operated Light shall have all threaded holes on the telescoping pole, brackets and light head use stainless steel thread inserts and stainless steel hardware. The Air Operated Light shall have an option for a chrome plated wire guard, dual light heads, a knurled outside pole, and an up indicator switch. The apparatus manufacturer shall provide wiring for each of the installed lights and it shall be capable of carrying the maximum load required by that light and protected by a properly sized circuit breaker.

## Beta Brow Lights

The Brow Light shall be a roof mounted brow type flood light. Each floodlight shall be equipped with a Quartz-Halogen lamp capable at operating at 12 or 120 volts, and be manufactured by an ISO 9001 certified company. The light head shall be a low profile light head with dimensions no larger than 13.5"x5.5"x 4" and equipped with Mirror-9 reflector. The lamp shall be replaceable from the front of the light head. There shall be an angle tilt-mounting bracket attached to the bottom of the light housing. All threaded holes in the light head shall use stainless steel thread inserts and stainless steel hardware. Each brow light shall be equipped with a 12" pigtail for ease of direct wiring to the on board power source.

## Recessed Beta Lights

The Recessed Light shall be equipped with a Quartz-Halogen lamp capable at operating at 12 or 120 volts, and be manufactured by an ISO 9001 certified company. The light head shall be a low profile light head with dimensions no larger than 13.5"x5.5"x 4" and equipped with Mirror-9 reflector. The lamp shall be replaceable from the front of the light head. All threaded holes in the light head shall use stainless steel thread inserts and stainless steel hardware. Recessed light heads shall be mounted in aluminum recessed mounting box that is 1.98" deep x 5.1" high x 14.9" wide. The light can be mounted face straight out or tilted 16 degrees down. Each recessed light shall be equipped with a 12" pigtail for ease of direct wiring to the on board power source.

## Junction Box

The electrical junction box shall be a heavy-duty, cast aluminum with a 1/4" thick walls and the four corner edges shall be at least 1/2" thick to withstand the roughest of handling. A carrying handle shall be an integral part of the Junction Box's casting and be large enough to fit a fully gloved hand. The junction box must be internally lite. Each side of the electrical junction box shall be fitted with polypropylene faceplates. The faceplates shall be backlit so that plug orientation to the receptacle is quick and easy to align. Each electrical junction box shall be equipped with four (4) electrical receptacles (two on each side) as specified by the user. Each receptacle shall be equipped with a spring-loaded snap cover and marked in white lettering with that receptacles voltage and ampere rating. All electrical receptacles, plugs and snap type weatherproof covers shall be UL Listed components. An ISO 9001 certified company must manufacture the electrical junction box.

