



Bid Specification Sheet

600W "Acclaim Axial" 18-34 Zoom Profile

This is a specification for an 18°-34° Zoom Profile luminaire, complete with all accessories.

The 600W Axial Zoomspot profile shall comply with the following performance specifications when using a GKV 600W, 240V 15,000 lumens lamp.

Beam angle (defined as 2:1 variation from centre peak) - Spot 18° and Wide - 34°

Minimum light output: Peak beam

Narrow angle - 18°
108,500 Candela

Wide angle - 34°
65,000 Candela

The Axial Zoomspot profile shall be a purpose-built luminaire designed for interior stage, studio and display lighting applications. It shall be constructed from custom aluminium extrusions and die castings. All corners and edges shall be rounded and have no sharp edges. The finish is to be a low reflective, matt charcoal colour, electrostatically applied, baked on epoxy powder coat. Each luminaire is to be fitted with a heat resistant rear grab handle.

Four stainless steel shutters shall be fitted, located at the focal point of the optical system in a spring tensioned gate assembly. The shutters will mask the beam and provide a crisp edge. The four shutters shall be symmetrical in shape. Each shutter is to have a large heat resistant handle with dual finger holes.

The Axial Zoomspot profile shall have an axial reflector, manufactured from 99.99% super pure aluminium anodised and polished to provide a pure specular reflector. The reflector shall be designed to allow the lamp position to be adjusted to provide a flat {2:1} beam or peak {3:1} beam.

The Axial Zoomspot profile shall incorporate a cool beam system to remove heat from the beam. The cool beam system shall be by means of a dichroic hot mirror placed between the reflector and the gate. The heat shall be directed onto a recessed aluminium heat sink away from the light beam. A dichroic glass reflector shall not be permitted.

The Axial Zoomspot profile variable lenses shall be manufactured from high heat resistant polished borosilicate glass mounted within a formed plastic holder secured to a custom extrusion which

moves captive on a formed slide. The lenses shall be optically coated to improve the beam quality. The lenses are to move with a minimum of vibration and without metal to metal contact. The focus fastening system is to be by simple maintenance free screw knobs located on the side of the lens tube, near the bottom.

The lenses shall be available for cleaning by means of a side hinged bottom tray held closed with a sprung 'push in' finger locking clip. The entire lens assembly shall be removable for cleaning without tools by unlocking of the hinge after operation of the locking clip.

The Medium 18°-34° lens assembly supplied shall be interchangeable with the Wide 24°-44° lens assembly quickly in this manner.

The Axial Zoomspot profile shall be designed for use with a 600W GKV or 600W GLB long life lamp. The lamp base shall be mounted onto an aluminium sink platform to reduce the operating temperature. The lamp assembly shall be mounted on springs to isolate the lamp from vibration. For easy lamp alignment and peak/flat adjustment, there shall be a planetary gear system comprising a master gear, and three smaller gears that shall be able to be disengaged from the system if required.

Access to the lamp assembly module shall be possible by unscrewing two fastening knobs on the rear of the module. Re-lamping shall be possible without having to change the focus position of the luminaire. All wiring terminations shall be in a separate compartment on the underside of the module. The compartment shall have a vented cover to facilitate cooling. For ease of maintenance, it shall be possible to remove this cover by undoing 2 x screws only.

Tilt adjustment shall be by means of a screw lock system secured by a hand sized insulated

"T" handle which also allows one handed or pole adjustment. Base tension shall be generated by adjustment of the locknut pivot mount.

The luminaire is provided with a formed aluminium yoke with a central hole for an M12 suspension bolt set comprising M12 set screw, nut and two washers.

Provision must be made for the fitting of a standard DIN plate.

When the lamp module is removed mains power shall automatically be disconnected.



The luminaire shall comply with the international safety standards EN60598/IEC598.

The luminaire is to be supplied with:

1.0 metre of high heat resistant cable (.75mm² 3 conductor) firmly clamped and protected with a cast trumpet gland at point of entry

Separate safety bond anchor point

125mm² DIN Standard hard tooled colour frame with no sharp edges, secured in position with a safety retention clip

Two mounting slots for colour frames and other accessories

A nut and bolt set for attachment to a hookclamp

Accessories to be available for the ACCLAIM AXIAL ZOOMSPOT PROFILE will include: -

Lens safety wire mesh

Rotatable gobo holder

Lens position reference scale

Adjustable iris

Safety wire bond

Suspension hook clamp

TV barrel clamp

Wide angle 24°-44° lens assembly

Colour scroller

Moving effect rotator 1, 2, 5 or 10rpm.

The Zoom profile luminaire shall be supplied with a limited three-year warranty when used in normal theatrical applications.

Full warranty details shall available for download from the manufacturer's website at:

www.seleconlight.com

This information is available for download via:

www.seleconlight.com/acclaimaxial