

## LS 150 Sales Notes

The LS 150 watt xenon arc source was first introduced late last year at the Optics and Photonics conference in San Diego.

During the first six months of this year we have shipped 20 units indicating a positive reaction from the market for a compact inexpensive fully featured xenon based lamp source.

Below is a list of features and benefits for the LS.

### Features:

- Fast F/1.0 1.0 inch fused silica condensing lens
- Patent Pending vibration isolation option
- Adapters for Thor, Oriel, and C-Mount accessories
- All adjustments on the rear of the housing away from the optical output
- Lamp swings out for easy, no tools required lamp replacement
- Variety of inexpensive accessories available
- Highly regulated power supply
- 1.5 inch condensing optics option

### Detailed Feature Review:

**Optical System:** Fast F/1.0, 1.0 inch diameter lens system. The focus can be adjusted from approximately 75 mm in front of the housing to infinity.

**Vibration Isolation Option:** This option is included with the system. It allows the optical compartment to be isolated from cooling fan vibration for those customers that are launching light into very small apertures or fibers. Implementing the activation of this option is a simple operation easily accomplished by the customer when desired or needed.

**Adapters:** The output face is similar to a Thor B2C plate allowing easy addition of their 1" optics cells, 30 mm cage system, or adapters for C-mount and Oriel flanging systems. Accessories from Abet, Thor, Edmund, and Oriel as well as standard C-Mount accessories can be inexpensively accommodated.



Function Focused Innovation™

**Controls:** All controls, lamp, rear mirror adjustment, and lamp focus are located on the rear of the housing eliminating the need to get near the output beam to accomplish any adjustments. Fine-pitched screws coupled to a unique patent pending adjustment mechanism accomplish all adjustments. Adjustments are firm, smooth, and positive.

**Lamp Replacement:** Replacing lamps is an easy, no tools operation. When the optical compartment door is removed simply swing out the lamp base with the lamp. No need to get your hands or fingers inside the optical compartment. When the lamp is replaced simply swing the lamp and the lamp base back into the lamp compartment and replace the lamp door.

**Accessories:** In addition to a 90 degree beam turner, secondary focusing lenses, and filter wheel we have added both SMA and fiber bundle focusing assemblies. These are not yet described in the literature but are listed on the price list.

**Power Supply:** The power supply is mounted to the power supply access door. In the unlikely event of a failure the power supply and igniter module can be easily replaced in the field. No hard wired electrical connections.

**1.5 Inch Optics Option:** We also offer a 1.5 inch diameter F/1.0 fused silica optics option that replaces the standard 1.0 inch condensing lens for those customers that need a larger diameter collimated beam.