

# LIGHT SOURCES



150 Watt DC regulated  
Quartz Halogen Light source with Digital readout  
**DL Model**

Introducing proprietary Lamp Tuning  
& Plug N' Play modularity

*Tune the lamp-to-input distance for maximum energy transfer, minimize the "black hole", and optimize performance!*



1" Bezel designed to accept all brands of fiberoptic input.

"Adjustable lamp transport knob - change the distance of the lamp to the input, "tuning" light output for your specific requirements.

Linear readout accurately displays output from 0-100%. Switch selectable scale can be set to read voltage or Intensity.

As the lamp deteriorates, the readout changes to alert user.

Optional feedback module keeps output stable over the life of the lamp and Lamp-to-lamp.

## OPTIONS

- RS232 plug in module for computer interface.
- Light feedback module - maintain light output within 1% of initial setting, at any intensity.
- Color filters.
- Adjustable aperture to maintain color temperature.
- Remote lamp cartridge housing.
- Adapters to accept all fiber optic brands.

### Power Supply Specifications

|  |                  |
|--|------------------|
| Maximum Rated Power Output   | 201.6watts       |
| Output Voltage   | 0-21 volts       |
| Input voltage rating 50/60 Hz  | 85-264 VAC       |
| Hold-up Time, Nominal AC Input, Full Load                            | 8.4 milliseconds |
| Line Regulation, entire range  | +/- 0.5%         |
| Current Limit Set point  | 8.5 Amps         |
| Temperature Range: Operating   | 0° to 45° C      |
| Storage  | -25° to 85°C     |
| Relative humidity, Non Condensing                                    | 5% -to 95%       |
| Vibration: 10-500Hz, 2G 10 min./1cycle, Period for 60min. Each axis. |                  |

\*-Specifications subject to change without notice



SOL-R 150DC P/N FTIII16796

## FEATURES

- Externally adjustable transport positions the lamp at infinitely adjustable focus distances - "tune" the lamp to maximize performance for any reflector/bulb/fiber input combination.
- Solid State dimmer, 0-100% linear digital readout in two scales- monitors lamp degradation. Using the photonic scale, The user can monitor lamp deterioration as the readout changes, alerting user to adjust output.

Using the voltage scale, adjust output to match a desired lamp life, or calculate PM schedules.

- Internal Light feedback feature maintains preset output over the life of the lamp within 1%. Optional calibrator maintains output lamp-to-lamp within 2%
- Modular design - RS232 capable - internal plug n' play module expands capability to meet the most demanding requirements. No external boxes, cords, or programming required.
- 1" input designed to accept large diameter fiber bundles, or optional adapters for all major manufacturer's fiber inputs.
- Front access lamp cartridge plugs into the housing for instant access and easy lamp change. Can be remotely operated with optional enclosure and connection.

•85-264 volt universal input voltage

•2 year warranty.

•CE and CSA approved

| P/N              | Description   |
|------------------|---|
| FTIII16797       | DC regulated Halogen light source (Light feed back model) |
| FTIII16797-RS232 | Light feed back model with RS232 built in                 |



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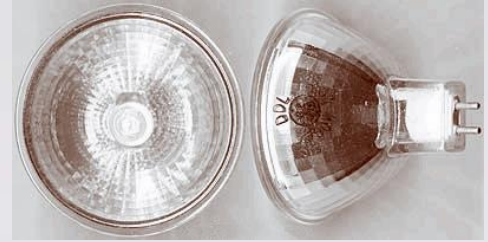


10.20.00 REV 2.

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# LAMPS and ACCESSORIES

## Lamp types



| P/N        | Voltage | Wattage | Description          | Avg Life (Hrs) | Focal Distance | Spot Size | Beam Spread (NA) | Color Temp (°K) |
|------------|---------|---------|----------------------|----------------|----------------|-----------|------------------|-----------------|
| FTIII10029 | 21      | 150     | EKE Projector        | 200            | 1.8-2.9"       | .5-1"     | *45°             | 3250            |
| FTIII10846 | 21      | 150     | EJA Projector        | 40             | 1.1"           | .25"      | *60°             | 3350            |
| FTIII16933 | 20      | 150     | DDL Projector        | 500            | 2-2.75"        | .75-1"    | *20°             | 3150            |
| FTIII16934 | 21      | 150     | EKE Projector for IR | 200            | 1.8-2.9"       | .5-1"     | 42°              | 3250            |

\* - Approximate beam angle



## Filters

| P/N           | Description                 |
|---------------|-----------------------------|
| FTIII16867-08 | Red Dichroic Filter         |
| FTIII16867-09 | Yellow Dichroic Filter      |
| FTIII16867-10 | Blue Dichroic Filter        |
| FTIII16867-11 | Daylight Dichroic Filter    |
| FTIII16867-12 | Heat mirror Dichroic Filter |

## Accessories

| P/N              | Description   |
|------------------|---|
| FTI 16867-01     | RS232 Module for SOL-R (After Market)   |
| FTI 10822        | Accessory, SOL-R Lightsource, Adapter, ACM                                    |
| FTI 16867-02     | Accessory, SOL-R Lightsource, Adapter, .625 Standard- FT, Chiu, T, Techniquip |
| FTI 16867-03     | Accessory, SOL-R Lightsource, Adapter, .393 Schott KL series.                 |
| FTI 16867-16     | Accessory, SOL-R Lightsource, Adapter, .320 Schott KL series                  |
| FTIII16867-04    | Accessory, SOL-R Lightsource, Adapter, .240 Schott KL series                  |
| FTI 16867-13     | Accessory, SOL-R Lightsource, Adapter, .315, StockerYale, DJ, Techniquip(SY)  |
| FTI 16867-14     | Accessory, SOL-R Lightsource, Adapter, .625, StockerYale, DJ, Techniquip(SY)  |
| FTI 16867-15     | Accessory, SOL-R Lightsource, Adapter, .718, Schott-Fostec                    |
| FTIII16867-05    | Accessory, SOL-R Lightsource, Adapter, .590 – Moritex, Volpi, DJ              |
| FTI 16867-06     | Accessory, SOL-R Lightsource, Adapter, .190 Dolan Jenner B type               |
| FTI 16867-06-IND | Accessory, SOL-R Lightsource, Adapter, .250 FTI Industrial cables             |
| FTI 18233        | Accessory, Schott Lightsource, Adapter, .625 Chiu/FTI                         |
| FTIII18233IND    | Accessory, Schott Lightsource, Adapter, .089 FTI Industrial cables            |



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10.20.01 REV 1.

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