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Data Sheet

August 15, 2026

DOLAN-JENNER

Dolan-Jenner PL-800

Dolan-Jenner Fiber-Lite PL-800 150 W Quartz Halogen Fiber Optic Illuminator The Fiber-Lite PL-800 is a 150 W quartz-halogen fiber-optic illuminator. OEM PL800 series literature lists 150 W quartz halogen 21 V (EKE, EJV or EJA) or 20 V DDL as ordered, 115 VAC 200 W 50/60 Hz class (and 230 V overlays), indoor use below 2000 m altitude, installation category II, operating 5 C to 40 C, A-type nosepiece 0.985 in (25 mm) ID, variable intensity, EKE 21 V 150 W replacement lamp, and fuse-protected enclosure. Used to feed ring lights and gooseneck fiber bundles for inspection and microscopy. The Fiber-Lite PL-800 is a 150 W quartz-halogen fiber-optic illuminator. OEM PL800 series literature lists 150 W quartz halogen 21 V (EKE, EJV or EJA) or 20 V DDL as ordered, 115 VAC 200 W 50/60 Hz class (and 230 V overlays), indoor use below 2000 m altitude, installation category II, operating 5 C to 40 C, A-type nosepiece 0.985 in (25 mm) ID, variable intensity, EKE 21 V 150 W replacement lamp, and fuse-protected enclosure. Used to feed ring lights and gooseneck fiber bundles for inspection and microscopy. Stereo-microscope and machine-vision illumination through fiber bundles and ring lights using a 150 W EKE-class illuminator.



MODEL

Dolan-Jenner PL-800

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

PL-800

LISTING

<https://aumictechlabs.com/products/pl-800-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Dolan-Jenner PL-800 is a high-intensity fiber optic illuminator designed for various industrial, laboratory, and microscopy applications. It utilizes a 150-watt quartz halogen lamp to produce

bright and uniform illumination, suitable for detailed observation and machine vision tasks. The unit has adjustable light intensity via a front panel rotary control, with an option for remote intensity control using a 0-5 VDC analog input signal. The PL-800 can accept a variety of Dolan-Jenner fiber optic light guides, allowing for flexible illumination configurations to suit specific application needs.

Technical Specifications

- * **Lamp Type:** Quartz Halogen Lamp
- Wattage:** 150 Watts
- Input Voltage:** Available in 115V AC and 230V AC configurations.
- Intensity Control:**
 - * **Manual:** Rotary control on the front panel, with settings from 0 (lowest) to 100 (highest).
 - * **Remote:** 0-5 VDC analog input signal when the manual/remote switch on the back panel is set to "Remote."
- Cooling:** Incorporates a fan for cooling, with specific instructions for lamp module replacement requiring a cool-down period.
- Fiber Optic Compatibility:** Designed to accept a variety of Dolan-Jenner fiber optic light guides.
- Electrical**
 - * **Power Input:** Standard AC power receptacle located on the rear panel.
 - Fuse:** User-replaceable fuse, with specific guidance on fuse replacement provided in the operation manual.
- Interfaces**
 - * **Manual/Remote Switch:** Located on the back panel for selecting between manual and remote intensity control.
 - Analog Input:** 0-5 VDC for remote intensity control.
 - Power Switch:** Rocker switch located on the front panel for ON/OFF control.
- Physical**
 - * **Construction:** solid design for industrial and laboratory environments.
 - Lamp Module Replacement:** The lamp module is secured by retaining screws on the power supply and can be removed for replacement.
- Compatibility**
 - * **Light Guides:** Compatible with various Dolan-Jenner fiber optic light guides.
 - Filter Holders:** The PL-800 & PL-900 series is compatible with the FLH-PL/MI filter holder, which accepts 25 mm diameter filters and includes an IR Heat Filter.

Applications

- * Microscopy
- * Machine Vision
- * Industrial Assembly
- * Forensics
- * Quality Control
- * Packaging
- * Materials Handling
- * Semiconductor Industry
- * Research Laboratories
- * Medical and Pharmaceutical Markets

Why Choose Aumictech for the Dolan-Jenner PL-800? At Aumictech, we specialize in supplying high-end fiber optic illumination equipment. Whether you need reliable illumination for critical microscopy tasks, precise lighting for machine vision systems, or flexible configurations for industrial applications, our team ensures the Dolan-Jenner PL-800 delivers maximum performance and value for your specific engineering and procurement requirements.

PL800 Characteristics / Specifications

PARAMETER	VALUE
Model	PL-800
Instrument Type	Fiber optic illuminator
Family	Dolan-Jenner Fiber-Lite PL800
Lamp	150 W quartz halogen, 21 V (EKE, EJV or EJA) or 20 V (DDL) as ordered
Lamp Wattage	150 W
Lamp Voltage Eke	21 V
Replacement Lamp	EKE 21 V 150 W
Mains Voltage Class	115 VAC, 200 W, 50/60 Hz (230 V overlays exist)
Nosepiece A	A-type 0.985 in (25 mm) ID
Intensity	variable intensity control
Use Category	indoor, altitude less than 2000 m
Installation Category	II
Operating Temperature	5 C to 40 C
Manufacturer	Dolan-Jenner Industries
Literature	Dolan-Jenner Fiber-Lite PL800 series user manual technical data
System Role	fiber-optic inspection illuminator
Related Ring	Fostec/Dolan-Jenner ring-light bundles
Fuse	user-replaceable fuse (manual parts list)
Form Factor	benchtop illuminator housing
Light Delivery	fiber-optic bundle / ring light
Color Temperature Class	quartz halogen EKE spectrum
Cooling Class	forced-air illuminator housing
Duty	continuous indoor inspection lighting
Fiber Connection	quick-disconnect nosepiece class
Safety	Category II mains appliance

PARAMETER	VALUE
Altitude	less than 2000 m

PL800 Specifications

PARAMETER	VALUE
Applications	Stereo-microscope and machine-vision illumination through fiber bundles and ring lights using a 150 W EKE-class illuminator.
Key Features	150 W quartz halogen EKE/EJV/EJA 21 V
Technical Specifications	Model: PL-800

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	5 C to 40 C
Operating Temperature	5 C to 40 C
Manufacturer	Dolan-Jenner Industries
Literature	Dolan-Jenner Fiber-Lite PL800 series user manual technical data
System Role	fiber-optic inspection illuminator
Related Ring	Fostec/Dolan-Jenner ring-light bundles
Fuse	user-replaceable fuse (manual parts list)
Form Factor	benchtop illuminator housing
Light Delivery	fiber-optic bundle / ring light
Color Temperature Class	quartz halogen EKE spectrum
Cooling Class	forced-air illuminator housing
Duty	continuous indoor inspection lighting
Fiber Connection	quick-disconnect nosepiece class
Safety	Category II mains appliance
Altitude	less than 2000 m Notes From Dolan-Jenner Fiber-Lite PL800 technical data (150 W 21 V EKE/EJV/EJA, 115 VAC 200 W 50/60 Hz, 25 mm nosepiece, 5-40 C). Confirm 115 versus 230 V and EKE versus DDL lamp on the installed unit.

Full OEM specifications

Complete technical content extracted from the manufacturer datasheet. Sparse OEM tables are reconstructed as tables below; other text is preserved as paragraphs.

Specifications	
Specifications	
PARAMETER	VALUE
Model	PL-800
Instrument Type	Fiber optic illuminator
Family	Dolan-Jenner Fiber-Lite PL800
Lamp	150 W quartz halogen, 21 V (EKE, EJV or EJA) or 20 V (DDL) as ordered
Lamp Wattage	150 W
Lamp Voltage Eke	21 V
Replacement Lamp	EKE 21 V 150 W
Mains Voltage Class	115 VAC, 200 W, 50/60 Hz (230 V overlays exist)
Nosepiece A	A-type 0.985 in (25 mm) ID
Intensity	variable intensity control
Use Category	indoor, altitude less than 2000 m
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System Role	fiber-optic inspection illuminator
Related Ring	Fostec/Dolan-Jenner ring-light bundles
Fuse	user-replaceable fuse (manual parts list)
Form Factor	benchtop illuminator housing
Light Delivery	fiber-optic bundle / ring light
Color Temperature Class	quartz halogen EKE spectrum
Cooling Class	forced-air illuminator housing
Duty	continuous indoor inspection lighting
Fiber Connection	quick-disconnect nosepiece class
Safety	Category II mains appliance

PARAMETER

VALUE

Altitude

less than 2000 m

Notes

From Dolan-Jenner Fiber-Lite PL800 technical data (150 W 21 V EKE/EJV/EJA, 115 VAC 200 W 50/60 Hz, 25 mm nosepiece, 5-40 C). Confirm 115 versus 230 V and EKE versus DDL lamp on the installed unit.

Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: Available on request. Used · In stock.

Request a quote: sales@aumictech.com · +1 (484) 841-9341

Aumictech

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Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.