



FOI Series Fiber Optic Illuminators

FOI-150/FOI-250 – FIBER OPTIC ILLUMINATOR

Smallest footprint illuminator on the market

High quality ball bearing fan for low noise and vibration

Rugged aluminum enclosure with enamel coating

Easy lamp replacement via access door underneath unit



Vary light intensity via front panel control (remote control versions available)

Color / daylight filters available

Durable and Reliable Lighting Source

TechniQuip's FOI series illuminators are well respected worldwide as a durable, reliable, and practical fiber optic light source. FOI Series illuminators are used in a wide range of manufacturing, microscopy, metrology, medical, research, and other applications. Choose from 150 watt and 250 watt versions. Remote control and high intensity versions are also available.

COMMON USES

Fiber Optic Illuminators are often referred to as "Cold Light" Illuminators because they provide high-intensity, focused light without the heat typically associated with high-intensity lamps.

Common Uses:

- Microscopes and Video Microscopes
- Boroscopes
- Industrial Imaging (Machine Vision)
- Custom Process and Inspection Equipment (Wire Bonders, Laser Welding)

Reliable and Proven Design

- High reliability - Units in service in virtually every region of globe
- Nose pieces available to accept virtually any light guide
- Suitable for mounting on back in space constrained applications
- Complete range of fiber optic light guides available
- FOI 250 provides high brightness at fraction of cost of xenon and other alternatives

Illuminator Selection Guide

Part #	FOI-150	FOI-150A	FOI-150 REM	FOI-250
Front Panel Electronic Brightness Control	Standard	Standard	Standard	Standard
Remote Electronic Brightness Control	N/A	N/A	Standard	N/A
Input Voltage	Specify (available in all formats)	Specify (available in all formats)	Specify (available in all formats)	Specify (available in all formats)
Power Rating	150 Watts	150 Watts	150 Watts	250 Watts
Filter Holder	Available	Available	Available	Available
Standard Color	Beige	Beige	Beige	Beige
Optional Colors	Black (call for others)	Black (call for others)	Black (call for others)	Black (call for others)
Standard Lamp	EKE	EJA	EKE	ELC
Standard Light Guide Aperature	5/8 inch (other sizes available)	5/8 inch (other sizes available)	5/8 inch (other sizes available)	5/8 inch (other sizes available)
Width	7.0 in. / 18 cm	7.0 in. / 18 cm	7.0 in. / 18 cm	7.0 in. / 18 cm
Depth	7.5 in. / 19 cm	7.5 in. / 19 cm	7.5 in. / 19 cm	7.5 in. / 19 cm
Height	6.5 in. / 17 cm	6.5 in. / 17 cm	6.5 in. / 17 cm	6.5 in. / 17 cm
Weight	7.5 lbs. / 3.4 kg	7.5 lbs. / 3.4 kg	7.5 lbs. / 3.4 kg	7.5 lbs. / 3.4 kg

See also Techniquip's line of R-150 regulated illuminators.

Illuminator Lamp Selection Guide

Part #	EKE	EJA	ELC
Color Temperature	3250	3350	3400
Voltage	21 V	21 V	24V
Lamp Life (Hours)	200-2000	40-50	50-200
Power Rating (Watts)	150	150	250
Approx. Shipping Weight	1 oz.	1 oz.	1 oz.

