

# Model Mi-150

## Fiber Optic Illuminator

Dolan-Jenner offers the sleek and sophisticated Mi-150 series fiber optic illuminator for microscopy and general illumination. Using Dolan-Jenner fiber optics will provide users with high performance and cold illumination in the most demanding applications. The 150 watt halogen lamp offers the full visible spectrum of light at an "easy on the eye" soft white color temperature of 3250K. Audible noise and vibrations are minimal and lamp changing is fast and easy due to a convenient side access door.

The Mi-150 EKE lamp delivers 350,000 footcandles of high intensity light to a large variety of fiber optic light guide assemblies, making it one of the most versatile systems in the market today. Optional Infrared and color filters allow further customization of the spectrum to create the perfect lighting choice for your specific applications.

Meeting the demanding high performance and high quality standard of any halogen illuminator, the Mi-150 is available separately, or as a complete fiber optic illumination system.

### Ring light Systems

The Mi-150 Ring light systems provide high intensity uniform illumination at high magnifications and long working distances without light adjustments when refocusing or when zoom features are used. Eliminating the clutter and head radiation of conventional light sources and offering better uniformity than LED rings, the Mi-150 ring light system is the ideal solution where 360° of shadow free illumination is required.

### Single & Dual Arm Systems

The Mi-150 "Gooseneck" systems are available in either single or dual models. Featuring self-supporting, flexible light guide assemblies allow users to position the lighting at an optimal angle of incident lighting. These systems also include focusing lenses to optimize the intensity to the spot where light is needed most. These qualities make the Mi-150 systems the most versatile system for supplying high intensity and cold illumination in both laboratory & harsh environments.



Mi-150



**WARNING:** This product can expose you to carbon black, acrylonitrile, or ethylbenzene which are known to the State of California to cause cancer (For more information go to [www.p65warnings.ca.gov](http://www.p65warnings.ca.gov))

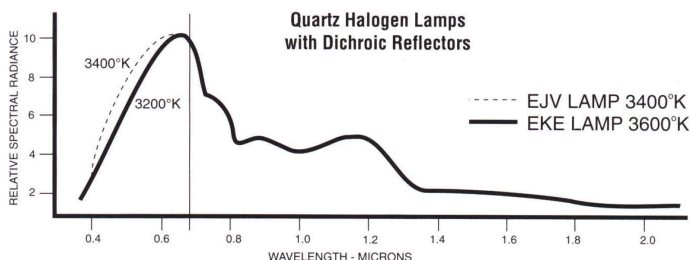
- High Power Wide Spectrum Lamp
- Variable Solid State Intensity Control
- Low Noise & Vibration

### Model Mi-150 Features:

- Excellent Light Output Uniformity
- Easy Access Lamp Change
- Stackable Housing
- Low (IR) Heat (optional IR filter available)
- Multiple Fiber Optic Interface Options
- Small Footprint
- 3 Year Warranty

### Configurations:

- 15mm ID accepts "Mi-150" light guides
- 25mm ID accepts "SX" and "MX" series
- 25mm ID with manual Iris accepts "SX" series adapters



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**Dolan-Jenner®**

### ORDERING INFORMATION

M	I	-	1	5	-		-			-		-		
Model			Noise Piece		Fiber Option			Voltage		Filter				
			0	15mm	DG	Dual Gooseneck Fiber			115V		No Filter			
			2	25mm	SG	Single Gooseneck Fiber		1	230V	F	IR Filter Included			
			7	25mm w/ iris	RA	Nikon SMZ Ring Light								
					RB	66mm Ring Light								
					RD	Olympus SZ Ring Light								
					RG	Leica S4 Ring Light								
					RL	60mm Ring Light								

\*only available with the 15mm noise piece

### GENERAL SPECIFICATIONS

Performance Data	
Light Output	1750 Lumens at fiber optic intersection plane
Lighting	150 Watt Halogen
Noise Rating	<25 dB
Electrical Data	
Input Voltage	115V AC (230V AC optional)
Environmental Data	
Operating Temp.	5 - 40°C
Cooling	Fan Cooled
Physical Description	
Dimension	8.8"W x 6"H x 5" DP
Weight	9 lbs.
Intensity Control	Solid State 10 - 100%
Lighting Properties	
Lamp Life	200-1,000 hours
Color Temp.	Typical: 3250° K
Certifications	
115V: BV 61010 3rd. Edition 230V: CE	
Replacement Parts	
Lamp	Ushio EKE, 21v 150W
Fuse (115V)	3A 250V Slo-Blow
Fuse (230V)	2A 250V Slo-Blow
Lamp Socket	Buhl QCX-34

### OPTIONAL FIBER OPTIC INTERFACES



Mi-152  
25mm Fiber Interface Accepts all DJ Fibers & Adapters



Mi-157  
Manual Iris for Precise Color Control

### POPULAR 115V SYSTEMS



	Mi-150RL	Mi-150RB	Mi-150SG	Mi-150DG
Fiber Optic Assembly Included	60mm ID Ring Light with 36" Cable	66mm ID Ring Light with 36" Cable	Single Gooseneck with Focusing Lens	Dual Gooseneck with 2 Focusing Lenses
Fiber Optic Assembly	0.55NA High Quality Glass Fibers (A3739M)	0.55NA High Quality Glass Fibers (LP25A36M)	0.55NA High Quality Glass Fibers (BG2820M)	0.55NA High Quality Glass Fibers (EEG2823M)
Optional IR Filter Available	√	√	√	√
61010 3rd Ed. Safety Rated	√	√	√	√
Warranty	3 Years	3 Years	3 Years	3 Years