

# Microscopes and Illuminators

## Fiber Optic Cold Light Sources – Intralux Series



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### Intralux Series

Intralux light sources have represented the best in Fiber Optic Cold Light Illumination the world for over 25 years. They provide reliable, dependable, high-intensity cold halogen light for use with all Volpi fiber optic components in microscopy applications.

The Intralux Series is equipped with the most advanced features and highest quality components available. It includes InfraRed Reflecting Filters to ensure the coldest light possible and the unique patented Crescent Shaped Diaphragm, which provides constant color temperature and light emitting angle, and continuous intensity adjustment.

All of these light sources feature a filter slot for easily interchangeable color and daylight conversion filter capability. Three models are available to choose from. The IX 4000-1 is a 90W unit providing 320,000 footcandles of illumination and a 1000-hour lamp life. The IX 5000-1 is a 150W unit providing 450,000 footcandles of illumination and a 800-hour lamp life. The IX 6000-1 represents the top-of-the-line in features with both a high and a low voltage setting to choose from, providing 670,000 and 370,000 footcandles of illumination respectively. Lamp life ranges from 100 hours on the high setting to 1400 hours on the low setting.

- For microscope illumination
- Research grade instrumentation
- Use with fiber optic ringlights, goose-necks, flexible light guides, etc.
- Constant color temperature and light emitting angle
- Continuous intensity adjustment
- Long lamp life
- Low noise/vibration



### Intralux 5000-1 Dual

- Two light sources-one system
- Utilizes up to two separate fiber optic components at any one time
- Two fiber optic inputs, two light intensity adjustment knobs, two fiber slots
- Cost savings

Single unit housing two independent Intralux 5000-1 light sources that can be operated at various intensity settings. Unit contains two fiber optic inputs, two light intensity adjustment knobs and two filter slots; one power cord. Ring lights and light guides sold separately, see pages M153 to M159.

*Note: All Volpi Light Sources are compatible with all Volpi Fiber Optic Components.*

### Specifications

#### MODEL 4000-1

Illumination Intensity at Light Guide Receptacle	320,000 ftc
Uniformly Illuminated Light Guide Diameter	10 mm
Rated Lamp Life	1000 hrs*
Color Temperature	3150°K, constant
Light Adjustment	Crescent shaped diaphragm
Max Housing Temp.	100°F
Lamp-EPV	Halogen reflector, 14.5 V/90 W
Dimensions, H x W x D	10.5 x 16.8 x 23.8 cm (4.13 x 6.63 x 9.38 in)
Weight	4.5 kg (9.92 lb)

\* Average of continuous operation w/DDL bulb.  
\*\* Interchangeable with EKE Lamps, 21V/150W.

#### MODEL 5000-1

Illumination Intensity at Light Guide Receptacle	450,000 ftc
Uniformly Illuminated Light Guide Diameter	13 mm
Rated Lamp Life	800 hrs*
Color Temperature	3190°K, constant
Light Adjustment	Crescent shaped diaphragm
Max Housing Temp.	113°F
Lamp-DDL**	Halogen reflector 20V/150 W
Dimensions, H x W x D	10.5 x 20.6 x 24.1 cm (4.13 x 8.13 x 9.5 in)
Weight	6.3 kg (13.89 lb)

#### MODEL 6000-1

Illumination Intensity at Light Guide Receptacle	At high intensity (h): 670,000 ftc At low intensity (l): 370,000 ftc
Uniformly Illuminated Light Guide Diameter	13 mm
Rated Lamp Life	(h) 100 / (l) 1400 hrs*
Color Temperature	(h) 3280 / (l) 3140°K, constant
Light Adjustment	Crescent shaped diaphragm
Max Housing Temp.	(h) 117 / (l) 110°F
Lamp-DDL**	Halogen reflector, 20V/150W
Dimensions, H x W x D	10.5 x 20.6 x 24.1 cm (4.13 x 8.13 x 9.5 in)
Weight	6.4 kg (14.11 lb)

### Power

	Intralux 4000-1	\$	Intralux 5000-1	\$	Intralux 5000-1 Dual	\$	Intralux 6000-1	\$
120V, USA/Canadian	BS4 72-0200		BS4 72-0205		BS4 72-0306		BS4 72-0210	
230V, Euro*	BS4 72-0202		BS4 72-0207		BS4 72-0307		BS4 72-0212	
100V, Japan	BS4 72-0201		BS4 72-0206		—		BS4 72-0211	
250V Euro	BS4 72-0204		BS4 72-0209		—		BS4 72-0214	
230V Swiss	BS4 72-0203		BS4 72-0208		—		BS4 72-0213	

\* Note: Power cord not included; specific country power cords available on page M154.

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