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Fiber Optic Cold Light Sources — Intralux Series



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

Intralux Series

The Intralux family of light sources has represented the best in quality and performance in Fiber Optic Cold Light Illumination the world for over 20 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.

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.

Specifications

MODEL 4000-1		MODEL 5000-1		MODEL 6000-1	
Illumination Intensity at Light Guide Receptacle	320,000 ftc	Illumination Intensity at Light Guide Receptacle	450,000 ftc	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	10 mm	Uniformly Illuminated Light Guide Diameter	13 mm	Uniformly Illuminated Light Guide Diameter	13 mm
Rated Lamp Life	1000 hrs	Rated Lamp Life	800 hrs	Rated Lamp Life	(h) 100 / (l) 1400 hrs
Color Temperature	3150°K, constant	Color Temperature	3190°K, constant	Color Temperature	(h) 3280 / (l) 3140°K, constant
Light Adjustment	Crescent shaped diaphragm	Light Adjustment	Crescent shaped diaphragm	Light Adjustment	Crescent shaped diaphragm
Max Housing Temp.	100°F	Max Housing Temp.	113°F	Max Housing Temp.	(h) 117 / (l) 110°F
Lamp-EPV	Halogen reflector, 14.5 V/90 W	Lamp-DDL**	Halogen reflector 20V/150 W	Lamp-DDL**	Halogen reflector, 20V/150W
Dimensions, H x W x D	10.5 x 16.8 x 23.8 cm (4.13 x 6.63 x 9.38 in)	Dimensions, H x W x D	10.5 x 20.6 x 24.1 cm (4.13 x 8.13 x 9.5 in)	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	4.5 kg (9.92 lb)	Weight	6.3 kg (13.89 lb)	Weight	6.4 kg (14.11 lb)

Power

	Intralux 4000-1	Intralux 5000-1	Intralux 6000-1
120V, USA/Canadian	CGS-8102.78	CGS-8107.78	CGS-8112.78
230V, Euro	CGS-8103.78	CGS-8108.78	CGS-8113.78
100V, Japan	CGS-8104.78	CGS-8109.78	CGS-8114.78
250V Euro	CGS-8105.78	CGS-8110.78	CGS-8115.78
230V China	CGS-8106.78	CGS-8111.78	CGS-8116.78

Catalog No. Product

CGS-8117.78	Intralux 5000-1 Dual 120V USA/Canadian
CGS-8118.78	Intralux 5000-1 Dual 230V Euro*



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