

Model 190

Convection Cooled 30 Watt Illuminator

This unit was developed to replace standard stereomicroscope illuminators. With equal or better light levels, the Model 190 provides cold light and maximum incident angle gooseneck positioning capability without heat. The Model 190 is a 30 Watt quartz halogen illuminator capable of delivering over 10,000 footcandles of intense, cold illumination. The light source features a rugged, convection cooled enclosure which results in zero noise, vibration, or air particle generation; an important benefit in semiconductor and other microscopy applications.

The 4-position, solid state, light intensity switch allows the selection of appropriate light levels and significantly increases lamp life at lower settings. The rugged Model 190 enclosure with hard mounting capability makes this source ideal for industrial applications.

Single Arm System

The Model 190 "Gooseneck" system is available as a single arm model. Featuring a self-supporting, flexible light guide assembly that allow users to position the lighting at an optimal angle of incident lighting. This system also includes a focusing lense to optimize the intensity to the spot where light is needed most. These qualities make the Model 190 the most versatile system for supplying high intensity and cold illumination in both laboratory & harsh environments.



Model 190-1

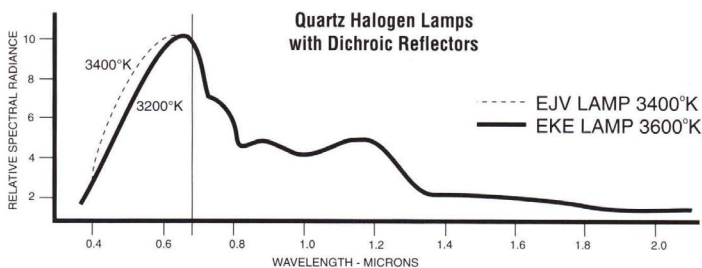
- Convection Cooled Enclosure
- Wide Spectrum Lamp
- No Vibration or Noise Generation

Model 190 Features:

- 10,000 Footcandles
- Intense, Cold Illumination
- 4-Position, Solid State Intensity Control
- Rugged, Convection-Cooled Enclosure
- 2 Year Warranty
- Vertical Design for Small Footprint

Configurations:

- Only available in a Single Gooseneck Configuration
- 115 VAC Input



Model 190

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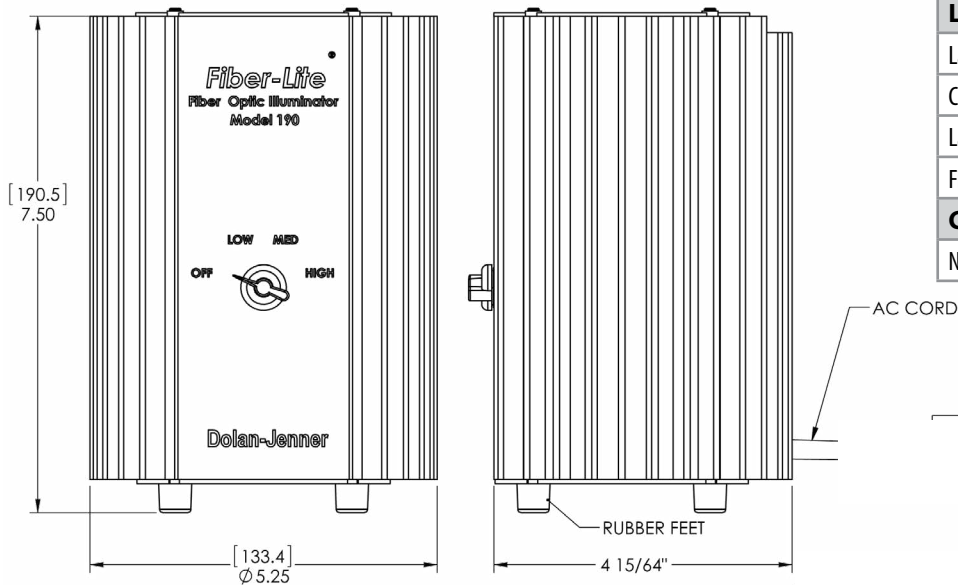
ORDERING INFORMATION

Option	Model & Pin
115V Input (No Fiber Optic)	190 002819000100
115V w/ Single Gooseneck	190-1 002829010001

GENERAL SPECIFICATIONS

Performance Data	
Light Output	Up to 10,000 footcandles
Noise Level	0 dB
Electrical Data	
Input Voltage	115 V AC
Physical Description	
Dimension	5.25" W x 5.50" H x 7.50"
Weight	4.6 lbs.
Intensity Control	4-Position Solid State Switch
Adapters	ST-type adapter series
Lighting Properties	
Lamp	30 Watt, 10.8 V, Type EKZ qtz halogen
Color Temp.	3100° Kelvin
Lamp Life	200 hrs. full intensity
Fiber Optic Interface	Threaded/Top Covered
Certifications	
None	

DIMENSIONS



SYSTEMS



	Model 190	Model 191-1
Fiber Optic Assembly Included	None	Single Gooseneck with Focusing Lens
Fiber Optic Assembly	None	0.55NA High Quality Glass Fibers (BGT1826)
Optional IR Filter Available	None	No
61010 3rd Ed. Safety Rated	No	No
Warranty	2 Years	2 Years