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Fiber-Lite®

Dolan-Jenner®

Model 3100

30 Watt Small-Footprint Illuminator

The 3100 is a light weight and compact 30 Watt quartz halogen illuminator with a remote plug-in-the-wall transformer. The light source uses an EKZ lamp, which provides upwards 10,000 footcandles of intense, cold illumination. The 3100 has a standard Dolan-Jenner nosepiece, which allows the interface of all Fiber-Lite standard and custom fiber optic light guides. Precise light level settings are obtained via the 4-position, solid state, intensity control switch.

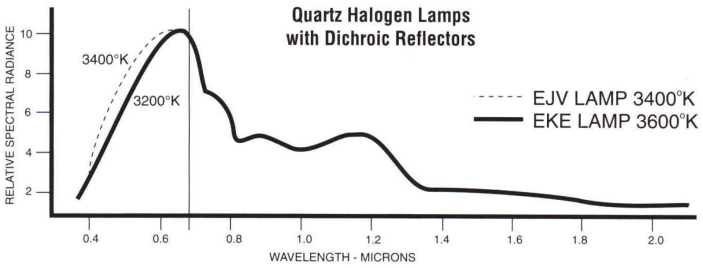
The Model 3100 illuminator is typically used for co-axial illumination in microscopy applications. Available in either single gooseneck or ring light configurations, the Model 3100 is Dolan-Jenner's smallest footprint illuminator.

Ring light Systems

The Model 3100 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 Model 3100 ring light system is the ideal solution where 360° of shadow free illumination is required.

Single Arm Systems

The Model 3100-1 "Gooseneck" system is a single arm assembly, 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 the LH-759 focusing lenses to optimize the intensity to the spot where light is needed most. These qualities make the Model 3100-1 a very versatile system for supplying high intensity and cold illumination in both laboratory and harsh environments.





Model 3100

- **Small, Compact Footprint**
- **Compatible with all Light Guides**
- **Lamp Life up to 10,000 Hours**

Model 3100 Features:

•Compact, Hard-Mountable to Specialty Equipment
•10,000 Footcandles
• Intense, Cold Illumination
• 4-Position, Solid State Intensity Control
• Light Weight & Rugged, High-Impact Plastic Housing
• 2 Year Warranty

Configurations:

• 25mm ID accepts "SX" and "MX" series adapters
• Available in Single Gooseneck and Ring Light

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Model 3100

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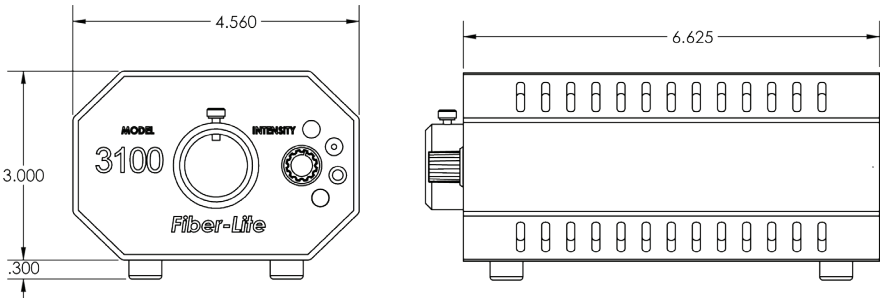
ORDERING INFORMATION

Model & P/N	Description
3100 002831000000	30 Watt Lamp, 115 V AC Illuminator
3100-1 660000051001	30 Watt Lamp, 115 V AC Illuminator w/ BGG 1823 Single Gooseneck, (1) LH759 Focusing Lense, SX-10 ADAPTER
3100-A37P 660000051004	30 Watt Lamp, 115 V AC Illuminator w/ A3739P Ring Light, SX-10 Adapter

GENERAL SPECIFICATIONS

Performance Data	
Lamp Output	10,000 footcandles at fiber optic intersection plane
Electrical Data	
Input Voltage	115 V AC, 60Hz
Environmental Data	
Operating Temp.	5 - 40ºC
Cooling	Fan Cooled
Physical Description	
Dimension	3" x 4.5" x 6.5"
Weight	4.5 lbs.
Intensity Control	4-Position Solid State Switch
Adapters	SX-type adapter series
Lighting Properties	
Lamp	30 Watt, 10.8 V, Type EKZ qtz halogen
Color Temp.	3100º Kelvin
Lamp Life	200 hrs. full intensity 10,000 at min. intensity
Fiber Optic Interface	25mm (A Style)
Certifications	
None	

DIMENSIONS



SYSTEMS



	3100-A37P	3100-1	3100
Fiber Optic Assembly Included	60mm ID Ring Light with 36" Cable	Single Gooseneck with Focusing Lens	None
Fiber Optic Assembly	0.55NA High Quality Glass Fibers (A3739P)	0.55NA High Quality Glass Fibers (BGG1823)	None
Optional IR Filter Available	No	No	No
61010 3rd Ed. Safety Rated	No	No	No
Warranty	2 Years	2 Years	2 Years

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