



Fiber Optic Lighting

1200-L150 & 1200-L 20 Models



- High-Intensity, Cool Illumination
- Ultra-Low Housing Vibration & Noise
- Light Guide Options For Variable Positioning

VanGuard Fiber Optic Light Sources provide efficient heat-free fiber optic lighting for microscopes and other heat-sensitive applications. Fiber optic ring lights & dual and single gooseneck light guides allow for precise positioning for any lighting application.

Model 1200-L150. Capable of operating at 120%, Model 1200-L150 can output light at 180W for those applications where extreme lighting is required (the red zone on the dial indicates when bulb life is being sacrificed for intensity). Its low-profile design fits into tight places; units can also be stacked for multiple light source applications. The rheostat provides smooth intensity control; a separate ON/OFF switch allows the user to maintain the light setting when the unit is powered off. Also features electrical and thermal protection, without having to replace any fuses -- the push of a button resets the power in the event of an electrical or thermal overload. Single and bifurcated gooseneck light guides, as well as fiber optic ring lights, are available.

Lamp Specifications:

Rheostat Setting	Light Output	EKE Lamp		EJV Lamp	
		Lamp Life	Color	Lamp Life	Color
0.2	20%	--	2720K	--	2870K
0.3	30%	--	2795K	--	2945K
0.4	40%	7000 Hr.	2970K	1400 Hr.	3120K
0.5	50%	2800 Hr.	3030K	560 Hr.	3180K
0.6	60%	1400 Hr.	3080K	280 Hr.	3240K
0.7	70%	800 Hr.	3130K	160 Hr.	3280K
0.8	80%	480 Hr.	3160K	96 Hr.	3310K
0.9	90%	280 Hr.	3210K	56 Hr.	3360K
1.0	100%	200 Hr.	3250K	40 Hr.	3400K
1.2	120%	80 Hr.	3370K	16 Hr.	3520K

- Voltage:** 110V [Standard]; 220V [Special Order]
Lamp Type: 150W Halogen (EKE) [Standard] (1200-LEKE)
 150W Halogen (EJV) [Optional] (1200-LEJV)
Dimensions: 210mm (L) x 185mm (W) x 90mm (H); 3.7kg

Model 1200-L20. Featuring 20W of fiber optic illumination, Model 1200-L20's heavy-duty, all-metal, convection-cooled design is ideal for equipment lighting where vibration or noise is a consideration. Model 1200-L20 is a high-value/low-cost addition to most microscopes and allows topographical viewing of samples that cannot be trans-illuminated. Features a 20W long-life halogen bulb. Single and bifurcated gooseneck light guides are available.

- Voltage:** 110V [Standard]; 220V [Special Order]
Lamp Type: 20W Halogen (1200-LL20)
Lamp Life: 2000 Hrs.
Color Temperature: 3100K
Dimensions: 65mm (L) x 155mm (W) x 65mm (H); 1.2kg



Model 1200-L150



Model 1200-L20



Light Guides

Annular Ring Light (Cat. No. 1200-RL36).

Featuring the highest degree of uniform illumination of the specimen, the annular ring light provides cool, shadow-free light with smooth, even coverage. Designed specifically for stereo microscopes. Flexible 36" stainless-steel sheathing. Fits Model 1200-L150.



Single Light Guide (Cat. No. 1200-SG18A).

The single light guide provides cool, electronically isolated, white light. The vinyl-clad sheathing provides obedient positioning. Overall length is 18". Fits Model 1200-L150.



Bifurcated Light Guide (Cat. No. 1200-BG18A).

Dual light guide permits two-station illumination and inspection of samples with a high degree of multi-dimensional clarity. The vinyl-clad sheathing provides obedient positioning. Overall length is 18". Fits Model 1200-L150.



Single Light Guide (Cat. No. 1200-SG18B).

The single light guide provides cool, electronically isolated, white light. The stainless-steel sheathing provides obedient positioning. Overall length is 18". Fits Model 1200-L20.



Bifurcated Light Guide (Cat. No. 1200-BG18B).

Dual light guide permits two-station illumination and inspection of samples with a high degree of multi-dimensional clarity. The stainless-steel sheathing provides accurate positioning. Overall length is 18". Fits Model 1200-L20.



Ordering Information

Parts & Accessories listed on pages 36-39

Light Sources

Model	Type	Light Guide Options
1200-L150	150W Fiber Optic Light Source, Variable Illumination	1200-RL36, 1200-BG18A, 1200-SG18A
1200-L20	20W Fiber Optic Light Source	1200-BG18B, 1200-SB18B

Light Guides

Model	Type	Length	For Light Source Model
1200-RL36	Ring Light	36"	1200-L150
1200-BG18A	Bifurcated	18"	1200-L150
1200-SG18A	Single	18"	1200-L150
1200-BG18B	Bifurcated	18"	1200-L20
1200-SG18B	Single	18"	1200-L20
1200-LGFL	Focusing Lens	N/A	Single & Bifurcated Light Guides