

High-Output Fiber Optic Illuminator System

Reduce eyestrain

- 2x the light output of quartz halogen illuminators
- 0 to 100% intensity control with manual iris

1. Illuminator

These illuminators use a metal halide bulb to provide brilliant white light with true color representation and balance. Adjustment of the manual iris controls light intensity.

What's included: filter holder and 7½-ft (2.3-m) long power cord.

Specifications

Lamp intensity: 6,500 footcandles at 6" (15.2 cm)

Lamp color temperature: 5500 to 6500 K

Bulb life: 3000 hours (nominal to 70% initial intensity)

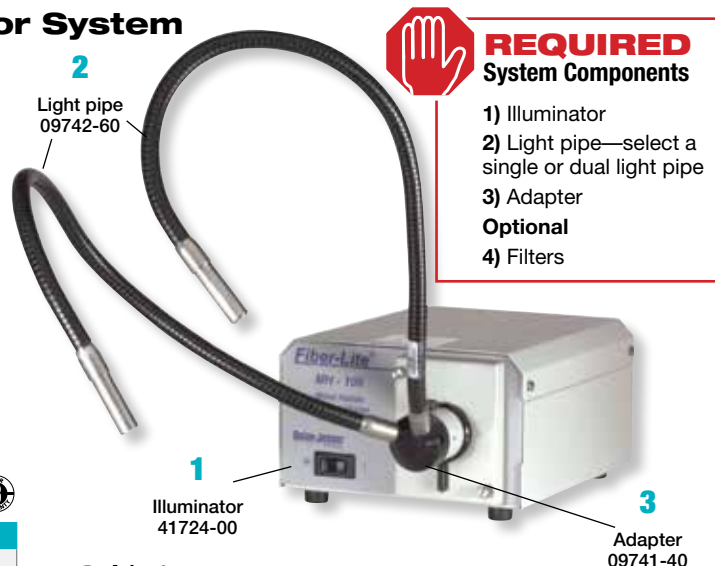
Wattage	Illuminator dimensions	Power	Catalog number	Price
100	7¼"W x 4½"H x 9½"D (18.4 x 11.4 x 24.1 cm)	115 VAC, 50/60 Hz	GY-41724-00	
		230 VAC, 50/60 Hz	GY-41724-05	



2. Light Pipes

Select single or dual self-supporting light pipes below. Light pipes require no stands or additional support.

Description	Diameter	Length	Catalog number	Price
Single self-supporting light pipe	0.56"	20" (51 cm)	GY-09742-70	
Dual self-supporting light pipe	0.46"	23" (58 cm)	GY-09742-60	



REQUIRED System Components

- 1) Illuminator
- 2) Light pipe—select a single or dual light pipe
- 3) Adapter
- Optional
- 4) Filters

3. Adapter

GY-09741-40 Illuminator adapter. Required for single and dual light pipes 09742-70 and 09742-60

4. Filters

Description	Catalog number	Price
Green filter	GY-41724-54	
Red filter	GY-41724-56	
Yellow filter	GY-41724-58	
Complete kit (blue, green, IR, red, yellow)	GY-41724-60	

Cole-Parmer® Economical Fiber Optic Illuminator

Fits even in tight spaces

- Easy access side door for bulb replacement
- 23" L (58.4 cm) gooseneck light pipe and focusing lens—ideal for most inspection applications
- 10,000 footcandles of cold, intense illumination without noise or vibration

What's included: light pipe, focusing lens, 30-watt lamp bulb, and a 5-ft (1.5-m) three-wire cord with three-prong grounded plug.



Specifications

Lamp intensity: 10,000 footcandles at 3" (7.6 cm)

Lamp color temperature: 3100 K

Bulb life: 200 hours

Wattage	Illuminator dimensions	Light pipe dimensions	Power	Catalog number	Price
30 watts	6"W x 5⅞"H x 8½"D (15.2 x 13.5 x 21.6 cm)	23"L x ⅜" dia (58.4 x 0.5 cm)	115 VAC, 60 Hz	GY-41721-00	
			230 VAC, 50 Hz	GY-41721-05	



Clip-On Illuminators

Get illumination almost anywhere

- Plastic ring guard provides safe fingertip adjustment
- Clamp onto any horizontal, vertical, or round surface edge up to ¾" dia.

Intensity control dial lets you precisely adjust light levels. Miniature quartz halogen bulb (included) delivers cool shadowless illumination (3000 K color temperature). Order optional infrared heat shield 09809-96 for close-up work on heat-sensitive samples.

What's included: remote power supply, and halogen bulb(s).

Lamp intensity	Cord length	Power	Single-head illuminators		Dual-head illuminators	
			Catalog number	Price	Catalog number	Price
12,000 footcandles at 2" (5.1 cm)	5 ft (1.5 m)	120 VAC, 50/60 Hz	GY-41600-00		GY-41600-10	

GY-41600-50 Replacement bulb, 20 W

GY-09809-96 Infrared heat shield for use with 41600-00 and -10

