

## Cole-Parmer® LED Fiber Optic Illuminator

### Save energy while getting maximum output



- LED bulb provides energy efficiency
- Small footprint easily fits on your benchtop

Designed for general microscopy, assembly illumination, forensics, machine vision, and boroscope applications. High-power white LEDs provide consistent color temperature, higher light output, and longer life than conventional 150-watt fiber optic illuminator bulbs. Easily adjust the light output using the 15-step intensity control. Illuminator is available as a light source only, or with gooseneck light pipe or ring lights.

**What's included:** fiber optic light pipe adapter, power converter, and power cord (see table for cord type).



41723-54

#### Specifications

**Lamp Color temperature:** 6000 K    **Light output:** 780 lumens    **Bulb life:** 25,000 hours

Description	Illuminator dimensions (W x H x D)	Power	Power cord included	Catalog number	Price
LED fiber optic illuminator	3 7/8" x 5 1/8" x 7" (9.9 x 13 x 17.8 cm)	100 to 240 VAC, 50/60 Hz	115 VAC, US	<a href="#">GH-41723-50</a>	
			230 VAC, European	<a href="#">GH-41723-51</a>	
LED fiber optic illuminator with single gooseneck light pipe	3 7/8" x 5 1/8" x 7" (9.9 x 13 x 17.8 cm)	100 to 240 VAC, 50/60 Hz	115 VAC, US	<a href="#">GH-41723-52</a>	
			230 VAC, European	<a href="#">GH-41723-53</a>	
LED fiber optic illuminator with dual gooseneck light pipe	3 7/8" x 5 1/8" x 7" (9.9 x 13 x 17.8 cm)	100 to 240 VAC, 50/60 Hz	115 VAC, US	<a href="#">GH-41723-54</a>	
			230 VAC, European	<a href="#">GH-41723-55</a>	
LED fiber optic illuminator with 60-mm ring light pipe	3 7/8" x 5 1/8" x 7" (9.9 x 13 x 17.8 cm)	100 to 240 VAC, 50/60 Hz	115 VAC, US	<a href="#">GH-41723-56</a>	
			230 VAC, European	<a href="#">GH-41723-57</a>	
LED fiber optic illuminator with 66-mm ring light pipe	3 7/8" x 5 1/8" x 7" (9.9 x 13 x 17.8 cm)	100 to 240 VAC, 50/60 Hz	115 VAC, US	<a href="#">GH-41723-58</a>	
			230 VAC, European	<a href="#">GH-41723-59</a>	

## DC-Regulated Fiber Optic Illuminator System

### Avoid problems due to variation in input voltage

- Great for video microscopy and machine vision applications

#### 1. Illuminator

The internal power supply to the halogen bulb is stabilized to 0.5%, eliminating problems due to variation in input line voltages. Front-panel dial controls light output from 0 to 100%. Remotely control the light output using a 0 to 5 VDC signal. Stackable housing is heavy-duty steel.

**What's included:** a 150-watt bulb and 6-ft (1.8-m) power cord with three-prong plug.

#### Specifications

**Lamp color temperature:** 3200 K    **Bulb life:** 200 hours at high setting



Wattage	Illuminator dimensions	Power	Catalog number	Price
150 watts	9 1/2" L x 7 1/4" W x 4 5/8" H (24.1 x 18.4 x 11.7 cm)	100 to 240 VAC, 50/60 Hz	<a href="#">GH-41720-40</a>	

#### 2. Light Pipes

Select single or dual light pipes below. Flexible gooseneck is constructed of glass fibers sheathed in a steel monocoil.

Description	Diameter	Length	Catalog number	Price
Single gooseneck light pipe	0.58"	20"	<a href="#">GH-41720-70</a>	
Dual gooseneck light pipe	0.58"	23"	<a href="#">GH-41720-60</a>	

#### 3. Adapters

[GH-09741-40](#) Illuminator adapter. Required for single light pipe 41720-70

[GH-09741-41](#) Illuminator adapter. Required for dual light pipe 41720-60



#### REQUIRED System Components

- 1) Illuminator
- 2) Light pipe—select a single or dual ring light pipe.
- 3) Adapter

