

Осветительные приборы, ультрафиолетовые шкафы BLT-200

Виды товаров: ультрафиолетовые смотровые шкафы, ручные ультрафиолетовые лампы, ручные ультрафиолетовые лампы, светодиодные волоконно-оптические осветители, УФ-транслюминаторы, волоконно-оптические осветители для микроскопии, сменные ультрафиолетовые трубки, просвечиватели синего света, трубки S-образные и др.

Технические характеристики

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Cole-Parmer® Ultraviolet Viewing Cabinets



Get uniform UV illumination for optimal viewing

- Stay comfortable with soft rubber viewport viewing area
- Removable bottom panel allows cabinet to be placed over large samples or transilluminator
- Block out ambient light with lightweight access curtain
- Protect your eyes with contrast control filter

These customizable UV viewing cabinets provide a compact darkroom environment for viewing materials under ultraviolet conditions. Manufactured of durable lightweight plastic, the cabinets are designed for long life and rugged use in a wide range of applications. Bottom panel of each cabinet is removable and the unit can easily be placed over samples or a transilluminator. A lightweight access curtain allows you easy entry and blocks out external light. The view port combines a comfortable soft rubber, which can accommodate eyeglasses, and a contrast control filter blocks out ultraviolet radiation. A wide range of cabinet models and ultraviolet wavelength configurations for use in the laboratory or industrial applications are available.

item	Power (VAC)	Power (watts)	Width (in)
 EW-97620-70		4	10 1/2

item	Power (VAC)	Power (watts)	Width (in)
 EW-97621-05	230	8	19 3/4
 EW-97621-15	230	15	23 2/5
 EW-97621-25	230	15	23 2/5
 EW-97621-35	230	15	19 3/4

Cole-Parmer® Handheld Ultraviolet Lamps



Portable, lightweight, easy to use

- High UV intensity gets the job done
 - Indicator lights alert you if the battery is low, or normal strength
- The series of lightweight, handheld lamps offer UV wavelengths of 365 and 254 nm, or a combination of the two. They're cordless and use 12 VDC rechargeable batteries. They can sustain three hours of continuous use or about 500 intermittent uses when fully charged. The models equipped with an automatic safety switch prevent harmful exposure to UV radiation if the lamp is turned upside down.

item	Power (VAC)	Wavelength	Description
 EW-09818-05	110	254	Handheld UV Lamp, 6 Watt, 254 nm, AC Operated; 110 VAC, 50/60 Hz

item	Power (VAC)	Wavelength	Description
 EW-09818-06	110	365	Handheld UV Lamp, 6 Watt, 365 nm, AC Operated; 110 VAC, 50/60 Hz
 EW-09818-07	110	254/365	Handheld UV Lamp, 6 Watt, 254/365 nm, AC Operated; 110 VAC, 50/60 Hz
 EW-09818-08	110	254	Handheld UV Lamp with Safety Switch, 6 Watt, 254 nm, Rechargeable Battery; 110 VAC
 EW-09818-09	110	365	Handheld UV Lamp with Safety Switch, 6 Watt, 365 nm, Rechargeable Battery; 110 VAC

item		Power (VAC)	Wavelength	Description
	EW-09818-11	110	254/365	Handheld UV Lamp with Safety Switch, 6 Watt, 254/365 nm, Rechargeable Battery; 110 VAC
	EW-09818-12	110	254	Handheld UV Lamp, 6 Watt, 254 nm, Rechargeable Battery; 110 VAC
	EW-09818-13	110	365	Handheld UV Lamp, 6 Watt, 365 nm, Rechargeable Battery; 110 VAC
	EW-09818-14	110	254/365	Handheld UV Lamp, 6 Watt, 254/365 nm, Rechargeable Battery; 110 VAC

item	Power (VAC)	Wavelength	Description
 EW-09818-24	110 / 240	254	Handheld UV Lamp with Safety Switch, 6 Watt, 254 nm, Rechargeable Battery; 110 to 240 VAC
 EW-09818-25	110 / 240	365	Handheld UV Lamp with Safety Switch, 6 Watt, 365 nm, Rechargeable Battery; 110 to 240 VAC
 EW-09818-26	110 / 240	254/365	Handheld UV Lamp with Safety Switch, 6 Watt, 254/365 nm, Rechargeable Battery; 110 to 240 VAC
 EW-09818-27	110 / 240	254	Handheld UV Lamp, 6 Watt, 254 nm, Rechargeable Battery; 110 to 240 VAC

item	Power (VAC)	Wavelength	Description
EW-09818-28	110 / 240	365	Handheld UV Lamp, 6 Watt, 365 nm, Rechargeable Battery; 110 to 240 VAC
EW-09818-29	110 / 240	254/365	Handheld UV Lamp, 6 Watt, 254/365 nm, Rechargeable Battery; 110 to 240 VAC
EW-09818-34	220	365	Handheld UV Lamp, 6 Watt, 365 nm, AC Operated; 220 VAC, 50 Hz UK
EW-09818-35	220	254/365	Handheld UV Lamp, 6 Watt, 254/365 nm, AC Operated; 220 VAC, 50 Hz UK

item	Power (VAC)	Wavelength	Description
 EW-09818-38	220	254/365	Handheld UV Lamp, 6 Watt, 254/365 nm, AC Operated; 220 VAC, 50 Hz SA
 EW-09818-44	220	254/365	Handheld UV Lamp, 6 Watt, 254/365 nm, AC Operated; 220 VAC, 50 Hz Euro

Cole-Parmer® Fiber Optic Light Pipes



- Flexible arms offer positioning versatility
Self-supporting light pipes require no stand or additional support. They connect directly to the illuminator. Flexible gooseneck is constructed of glass fibers sheathed in a steel monocoil. Illumination base (41720-40) sold separately.

item	Light Pipe Length (in)	Light Pipe Outside Dimension (OD) (in)	Description
 EW-41720-60	23	0.58	Self-Supporting Dual-Light Pipe, 23" L Gooseneck
 EW-41720-65	23	0.46	Self-Supporting Light Pipe, Fiber Optic Dual

item	Light Pipe Length (in)	Light Pipe Outside Dimension (OD) (in)	Description
 EW-41720-70	20	0.58	Self-Supporting Single-Light Pipe, 20" L Gooseneck
 EW-41720-75	20	0.56	Self-Supporting Light Pipe Fiber Optic Single

Cole-Parmer® Handheld Ultraviolet Lamps



Easily switch from one UV light source to another

- Built-in reflector enhances UV illumination
- Durable, extruded metal housing features scratch-resistant powder coating
- Lightweight and easy to handle
- Offers two to three different UV wavelengths in one lamp

These handheld ultraviolet lamps come in a variety of wavelengths to match your specific UV applications. Choose from one of three UV wavelengths or a combination of UV wavelengths or white light in 4-, 6- or 8-watt configurations. A basic lamp configuration of one UV and one white light tube is ideal for viewing materials in a dimly-lit area. Twin UV models offer two tubes of identical wavelength operating at the same time for added UV intensity. Double UV models with two different tubes allow you to work in any one of two ultraviolet wavelengths. The triple UV model, available only in the 8-watt lamp, allows you the flexibility to easily switch among the three wavelengths (shortwave, midrange, or longwave UV). A selector switch on the back of the lamp makes it simple to switch between light sources on models with multiple wavelengths.

The 365 nm longwave UV models are ideal for bacterial identification, specimen staining, gel electrophoresis, chlorination, fluorochemistry, and more. The 302 nm midrange UV models provide an effective tool for gel electrophoresis, gel viewing, and optical lab measurements. The 254 nm shortwave UV models can be used for biochemical testing, mercury detectors, optical alignment, DNA analysis, electrophoresis, and more.

A viewing cabinet, for a darkroom environment, can be purchased for the 4- and 8-watt models. An optional lamp stand for hands-free operation is available for all models.

item	Power (VAC)	Power (watts)	Wavelength
 EW-97620-01	230	4	365nm

item	Power (VAC)	Power (watts)	Wavelength
 EW-97620-03	230	4	254nm
 EW-97620-05	230	4	365nm
 EW-97620-07	230	4	254nm
 EW-97620-09	230	4	365nm and 254nm

item	Power (VAC)	Power (watts)	Wavelength
 EW-97620-17	230	6	365nm
 EW-97620-23	230	6	365nm and 302nm
 EW-97620-25	230	6	365nm and 254nm
 EW-97620-27	230	8	365nm

item	Power (VAC)	Power (watts)	Wavelength
 EW-97620-31	230	8	254nm
 EW-97620-33	230	8	365nm
 EW-97620-35	230	8	302nm
 EW-97620-37	230	8	254nm

item	Power (VAC)	Power (watts)	Wavelength
 EW-97620-41	230	8	365nm and 254nm
 EW-97620-42	115	8	365, 302 and 254nm
 EW-97620-43	230	8	365, 302 and 254nm

Cole-Parmer® LED Fiber Optic Illuminators



Long-life LEDs save money and maintenance time

- Stackable housing saves bench space
- Interchangeable/replaceable fiber optics
- Fan cooled for more powerHigher light spot uniformity
- Fully adjustable and removable high quality focusing lenses

High-power white LEDs provide uniform color temperature, high light output, low heat, low power consumption, and extremely long life. Ideal for use in microscopy applications, inspection, forensics, machine vision, and assembly stations. Easily adjust the light output using the variable 10 to 100% intensity control. A solid state intensity control for more precise and repeatable control. Internal solid-state high performance DC regulated power supply optimizes consistent power to the LEDs. Built-in handle stays out of the way and allows for stacking of multiple units. Illuminator is available with a gooseneck light pipe or ring lights. Accepts all international power cords. Can switch from North America 115V to Euro 230V or India or UK by just changing out power cord.

item	Power Cord Included	Description
 EW-41723-01	115 VAC, US plug	LED Fiber Optic Illuminator, Single-Gooseneck Light Pipe; 115 VAC

item	Power Cord Included	Description
 EW-41723-02	115 VAC, US plug	LED Fiber Optic Illuminator, Dual-Gooseneck Light Pipe; 115 VAC
 EW-41723-12	230 VAC, European plug	LED Fiber Optic Illuminator, Dual-Gooseneck Light Pipe; 230 VAC

Cole-Parmer – Item # EW-41723-01

Specifications & Description

- Light intensity2000 lumens
- Lamp Color Temperature5000 K
- Bulb Life40,000 hours
- Bulb TypeLED
- Illuminator Height (in)4.875
- Illuminator Width (in)7
- Illuminator Depth (in)9
- Illuminator Height (cm)12.4
- Illuminator Width (cm)17.8
- Illuminator Depth (cm)22.9
- Power (VAC)100 to 240
- Power (Hz)50/60
- Power Cord Included115 VAC, US plug
- DescriptionLED Fiber Optic Illuminator, Single-Gooseneck Light Pipe; 115 VAC
- Warranty3 Years

Cole-Parmer – Item # EW-41723-02

Specifications & Description

- Light intensity2000 lumens
- Lamp Color Temperature5000 K

• Bulb Life	40,000 hours
• Bulb Type	LED
• Illuminator Height (in)	4.875
• Illuminator Width (in)	7
• Illuminator Depth (in)	9
• Illuminator Height (cm)	12.4
• Illuminator Width (cm)	17.8
• Illuminator Depth (cm)	22.9
• Power (VAC)	100 to 240
• Power (Hz)	50/60
• Power Cord Included	115 VAC, US plug
• Description	LED Fiber Optic Illuminator, Dual-Gooseneck Light Pipe; 115 VAC
• Warranty	3 Years

Cole-Parmer – Item # EW-41723-12

Specifications & Description

• Light intensity	2000 lumens
• Lamp Color Temperature	5000 K
• Bulb Life	40,000 hours
• Bulb Type	LED
• Illuminator Height (in)	4.875
• Illuminator Width (in)	7
• Illuminator Depth (in)	9
• Illuminator Height (cm)	12.4
• Illuminator Width (cm)	17.8
• Illuminator Depth (cm)	22.9
• Power (VAC)	100 to 240
• Power (Hz)	50/60
• Power Cord Included	230 VAC, European plug
• Description	LED Fiber Optic Illuminator, Dual-Gooseneck Light Pipe; 230 VAC
• Warranty	3 Years

Cole-Parmer UV Transilluminator, 8W, 254/302/365nm, 21x26cm filter; 230V



Cole-Parmer – Item # EW-97623-38

Compact size saves space over larger high-performance models

- UV-blocking cover is hinged and height adjustable to suit the user and provide easy access to the surface
- UVG long-life filters are rated for 5000 hours of use
- 3 year warranty

Specifications & Description

- | | |
|----------------------|--|
| • Filter Length (in) | 8 17/64 |
| • Filter Width (in) | 10 15/64 |
| • Filter Length (cm) | 21 |
| • Filter Width (cm) | 26 |
| • Width (in) | 14 |
| • Height (InchShort) | 6 |
| • Depth (in) | 11 1/4 |
| • Width (cm) | 35.6 |
| • Height (cm) | 15.2 |
| • Depth (cm) | 28.6 |
| • Power (VAC) | 230 |
| • Power (watts) | 8 |
| • Power (Hz) | 50 |
| • Description | UV Transilluminator, 8W, 254/302/365nm, 21x26cm filter; 230V |
| • Warranty | 3 Years |



MORE ABOUT THIS ITEM

Midrange (302 nm) models are available in single- or dual-intensity configuration. Dual intensity High setting is ideal for analytical documentation. Low setting reduces photonicking or photobleaching of gel samples while doing preparative work. Dual- and triple-wavelength models cover a wide range of applications reducing the need for multiple units. Use the longwave setting for viewing stained gels, the midrange setting for sensitive nucleic acid visualization, and the shortwave setting to irradiate samples. Safety cover blocks 99% of harmful UV radiation.

Cole-Parmer® Microscopy Fiber Optic Illuminators



Designed specifically for your microscope needs

- Low profile design fits into tight spaces
 - Complete 0 to 100% light intensity control
- These high-performance illuminators deliver 400,000 footcandles of high-intensity cold light. Minimal light leakage makes these illuminators ideal for your photosensitive applications. Audible noise and vibration is minimal, convenient side door makes changing lamps fast and easy, light pipes fit securely without need for adapters. Built-in handle stays out of the way.

item	Power (VAC)	Description
EW-41723-05	230	Microscopy Fiber Optic Illuminator, No Light Pipe; 230 VAC

item	Power (VAC)	Description
 EW-41723-25	230	Microscopy Fiber Optic Illuminator w/Gooseneck; 230 VAC
 EW-41723-35	230	Microscopy Fiber Optic Illuminator w/Dual Gooseneck; 230 VAC

Cole-Parmer® Ultraviolet Replacement Tubes



Ideal replacement tubes for your ultraviolet lamps

Keep your ultraviolet equipment running and dependable with these replacement bulbs.

• \$

item	Power (watts)	Wavelength	Description
 EW-97620-53	6	302nm	302nm Wavelength Replacement Light for 6-watt UV Lamp
 EW-97620-58	4	White	White Light Replacement Tube for 4-watt UV Lamp

item	Power (watts)	Wavelength	Description
 EW-97620-59	6	White	White Light Replacement Tube for 6-watt UV Lamp
 EW-97621-45	15	365nm	365nm Wavelength Replacement Tube for UV Viewing Cabinets, 15-Watts
 EW-97621-50	25	White	White Light Replacement Tube for UV Viewing Cabinets, 25-Watts

Cole-Parmer® BLT-200 Series Blue Light Transilluminator



Won't damage nucleic acids!

- Safe and smart alternative to UV transilluminators
 - LED light source provides uniformly lit surface
 - Emits 465 nm wavelength light—perfect for green, EtBr alternative stains
 - Easily access and document gels with two-position cover
 - Obtain up to 30,000 hours of operation from LED lights
- Improve downstream cloning efficiency—blue light won't damage nucleic acids and is safer for skin and eye exposure.* 465 nm light works with non-toxic green fluorophors, an eco-friendly alternative to ethidium bromide stains, and won't damage DNA like UV light.

High-intensity LED lights create a consistently lit filter surface and up to 30,000 hours of operation—without changing a light bulb! LEDs will not solarize or degrade in performance over time either. Light array is placed at the bottom of the unit for brighter and more balanced illumination than side-lit units.

Filter surface is scratch-proof and easily cleaned. Two-position cover opens 60° for gel access or comes off completely for imaging, and the amber color filters out blue light for full band visibility—even in ambient light conditions.

item	Power (Hz)	Power (VAC)	Wavelength
EW-97623-81	50/60	115	465
—			

item	Power (Hz)	Power (VAC)	Wavelength
EW-97623-83	50/60	230	465

Cole-Parmer Single-Light Pipe, 18" L Gooseneck



Cole-Parmer – Item # EW-41500-10

Specifications & Description

•	Light Pipe Length (in)	18
•	Light Pipe Length (cm)	45.72
•	Description	Single-Light Pipe, 18" L Gooseneck
•	Warranty	3 Months



Function

These UV Hand Lamps provide UV radiation with wave lengths of 365 nm, 254 nm, or a combination of 254 nm and 365 nm. They are used for detecting nucleic acids stained with fluorescent dyes such as ethidium bromide and acridine orange. These UV Hand Lamps may be used to detect nucleic acids in several fields including molecular biology, biochemistry, medical and forensic examinations and biological preparations including observing fluorescence.

Packing List

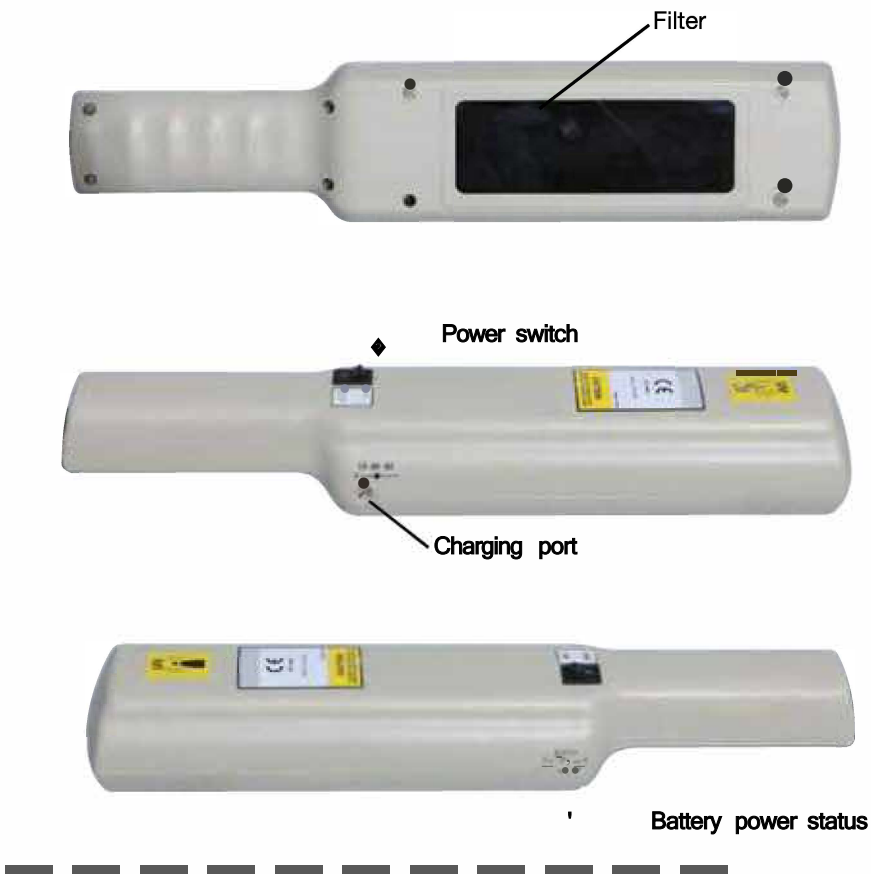
Description	Quantity	Remark
UVLamp	1	
Operating Manual	1	
Fuse (5 x 20 mm, 250 V, F1A)	1	For AC Operated Models
Charger	1	For Lithium Battery Operated Models

Features and Specifications

- High UV intensity, reliable components
- Portable, lightweight design
- Single or dual wavelength
- Choice of corded or rechargeable* units
- Automatic safety switch to prevent harmful UV radiation exposure if unit is turned upside down
- UV window size: 5.9" x 2" (150 x 50 mm)
- Outside dimensions: 16.3" x 3.5" x 2.4" (415 x 88 x 60 mm)

* The rechargeable unit uses 12 V rechargeable batteries and comes with a charger (100-240 VAC, 50/60 Hz). When the battery is fully charged, the unit can sustain about 3 hours continuous use or approximately 500 intermittent uses. The battery will have sufficient power to operate when the indicator light is green. The battery will need to be recharged if the indicator light is yellow. It will take approximately 4 hours to get a completely drained battery fully charged.

Operating Instructions



4. Hold the tube's metal parts at tube's two ends and rotate the tube gently until the electrode is out from the socket.
5. Take a new tube and hold metal parts at the ends of the tube. Press the tube's one electrode at each end to the base and turn tube gently until it is set firmly into the base.
6. Replace the top and bottom plastic housing parts together by refastening the 8 screws.
7. Test the new tubes by turning the power ON.
8. If the lamp still does not emit UV radiation, check the electrodes of the tube and make sure they are properly connected with the two copper contacts in each socket.



4. Fuse Replacement

1. Carry out steps #1 through 3 under "Tube Replacement".
2. Remove the fuse from its holder and put it in the new fuse (5 x 20 mm, 250 V, F1A).
3. Finish the procedure by following step #6 under "Tube Replacement".

5. Care and Maintenance for Battery

The following care and maintenance is only for models with rechargeable batteries.

1. The battery charger comes with the unit. It works with AC 100-240 V, 50/60 Hz.
2. It takes up to 4 hours to recharge the lithium battery completely.
3. The battery charger and lithium battery system in these models have a built-in self-protection system to prevent fire and other hazards. Battery replacement has to be done by a trained technician.
4. Improper use and treatment such as burning or heating over 212 °F (100°C) may cause fire or other hazards.
5. Handle dead batteries properly. Do not disassemble.

6. Environmental Conditions

The following conditions are safe for operation.

1. Indoor use
2. Operating altitude not to exceed 6561 feet (2000 meters) above sea level
3. Temperature: 41 to 104 °F (5 to 40 °C)
4. Maximum humidity: 80% at 86 °F (30 °C) or below, 40% at 104 °F (40 °C)
5. The voltage fluctuation of power supply is less than +/- 10%

Specifications

AC Operated Models					Wave-length	Number of UV Tubes	
A C 110V, 50/60 Hz, 0.3 A		A C 220 V, 50/60 Hz, 0.3 A				UV-A	UV-C
Plug	US	Europe	UK	SA			
	09818-05	09818-43	09818-33	09818-36	UV-C		2
	09818-06	09818-31	09818-34	09818-37	UV-A	2	
	09818-07	09818-44	09818-35	09818-38	UV-A& UV-C	1	1

Specifications

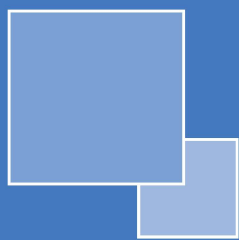
Lithium Battery Operated Models with DC 12 V 0.3 A			Wavelength	Number of UV Tubes	
Plug	US	Universal		UV-A	UV-C
Regular Battery Operated Models	09818-12	09818-27	UV-C		2
	09818-13	09818-28	UV-A	2	
	09818-14	09818-29	UV-A & UV-C	1	1
Models with Automatic Safety Switch	09818-08	09818-24	UV-C		2
	09818-09	09818-25	UV-A	2	
	09818-11	09818-26	UV-A & UV-C	1	1

Long wave (UV-A): 365 nm

Short wave (UV-C): 254 nm

All models *come* with a window size of 5.9" x 2" (150 x 50 mm).

All models are CE marked.



Cole-Parmer®

FIBER OPTIC ILLUMINATORS

HIGH-INTENSITY “COLD” LIGHT ELIMINATES RADIATING HEAT COMMON TO A HALOGEN LIGHT SOURCE

- Minimal light leakage—ideal for your photo-sensitive applications
- Variable light intensity is ideal for applications that require a flexible light source
- High-quality fan reduces noise and vibration
- Light pipes fit securely without need for adapters
- Convenient bulb access makes changing lamps fast and easy
- Low-profile benchtop design saves valuable work space



*Multiposition model
can sit horizontally or
vertically to best suit your needs*

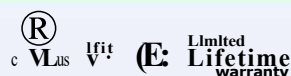
APPLICATIONS

Provide adequate contrast for imaging in many machine vision, industrial, and microscopy applications.

PERFORMANCE SPECIFICATIONS

- Lamp intensity: 350,000 footcandles
- Lamp color temperature: 3250K
- Lamp bulb: 150-watt quartz halogen, > 1000 hours life

MICROSCOPY FIBER OPTIC ILLUMINATORS



Catalog number	Power	Dimensions
Illuminator only (order light pipe separately below)		
ML-41723-00	115VAC,60Hz	6"W x 5¾"H x 8½"D
ML-41723-05	230 VAC, 50 Hz	
Illuminator with single gooseneck light pipe and one focusing lens		
ML-41723-20	115VAC,60Hz	6"W x 5¾"H x 8½"D
ML-41723-25	230 VAC, 50 Hz	
Illuminator with dual gooseneck light pipe and two focusing lenses		
ML-41723-30	115VAC,60Hz	6"W x 5¾"H x 8½"D
ML-41723-35	230 VAC, 50 Hz	



Accessories

[ML-41720-75](#) Self-supporting light pipe, single; 20" overall length

[ML-41720-65](#) Self-supporting light pipe, dual; 23" overall length

[ML-09743-20](#) Focusing lens

MULTIPOSITION FIBER OPTIC ILLUMINATOR order light pipes separately below

1 year
warranty

Catalog number	Power	Dimensions
ML-41500-50	115 VAC, 60 Hz	7 1/4"W x 5 1/4"H x 7 1/4"D
ML-41500-55	230 VAC, 50 Hz	



Accessories

[ML-41500-10](#) Light pipe, single; 18" overall length

[ML-41500-00](#) Light pipe, dual; 18" overall length

[ML-41500-70](#) Light pipe, ring; 36"L x 3 1/4" 'OD x 2 5/8" 'ID

[ML-41500-60](#) Lens assembly to vary the illumination spot. For single and dual light pipes



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