

ESD Safe Model  
Available

Protect Against  
Static Discharge

Built-in LED  
Ring Light

Adjustable Brightness  
Control Box

# LED Ring Light

with Integrated Focus Mount



Complete System

Built-in LED Ring Light won't come loose and contaminate subjects

## Adjustable Brightness Control

This LED ring light consists of 60 eco-friendly daylight LEDs, producing a light intensity of 35,000 lux and a color temperature of 5600K. The LEDs are rated for over 20,000 hours of service. The ring light is mounted securely onto Aven's standard focus mount—available in both coarse and fine focus. The unit includes a power supply box with variable dimming control. ESD Safe model available. This integrated LED ring light can be used with Aven's single arm boom stand, double arm boom stand and articulating stands. An arbor (26800B-521) is required for mounting. Also compatible with Aven's standard stand 26800B-570.

### LED RING LIGHT WITH INTEGRATED FOCUS MOUNT

SKU	ITEM NAME	MOUNTING DIAMETER	FOCUS MOUNT RING DIAMETER	LEDS
26200B-207	Ring Light LED with Integrated Focus Mount	26.9mm	74mm	60
26200B-207-ESD	ESD Safe Ring Light LED with Integrated Focus Mount	26.9mm	74mm	60

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# E-Arm Focus Mount

with Integrated LED Ring Light



## Adjustable Brightness Control

This LED ring light consists of 60 eco-friendly daylight LEDs that are rated for over 20,000 hours of service. The ring light is mounted securely onto Aven's E-Arm Focus Mount. The unit includes a power supply box with variable dimming control. ESD Safe model available. Will accept SSZ, SPZ, DSZ and NSW series microscopes.

### E-ARM FOCUS MOUNT WITH INTEGRATED LED RING LIGHT

SKU	ITEM NAME	DIMENSIONS	FOCUS MOUNT RING DIAMETER	LEDS
26200B-209	E-Arm Focus Mount w/ Integrated LED Ring Light and Brightness Controller	6in x 3in x 3in	74mm	60
26800B-209-ESD	ESD Safe E-Arm Focus Mount w/ Integrated LED Ring Light and Brightness Controller	6in x 3in x 3in	74mm	60

# 80 LED Ring Light with Touch Control

Ultra Bright  
Illumination  
80 LEDs

Adjustable  
Brightness  
Across Four  
Quadrants

Ease of Use  
Touch Control



Ring Light Adapter  
screws to bottom of  
all Aven stereo zoom  
microscopes



Adjustable Brightness  
Quadrant Control



## Powerful Adjustable Illumination

The 80 LED Ring Light with Touch Control is designed to provide crucial illumination for your microscope inspection system. The touch sensitive buttons allow users to control the brightness and LED quadrant. The four quadrants can be individually controlled to provide users with ideal illumination over the specimen being viewed.

- 80 adjustable ultra bright, energy efficient LEDs
- Touch sensitive buttons provide easy brightness adjustment
- Quadrant settings gives operators control over which LEDs are in use
- Includes ring light adapter

### 80 LED RING LIGHT WITH TOUCH CONTROL

SKU	WEIGHT	ILLUMIANCE/LEDS	INNER DIAMETER	COLOR TEMPERATURE	POWER SUPPLY	WORKING DISTANCE
26200B-210	0.75lbs	4W / 80 LEDs	25mm-63mm (0.98in-2.5in)	6500K-7000K	100V-240V ~ 50/60Hz 0.2A Max	50mm-180mm



# LED Ring Light with Brightness and Sector Controls

60 High-  
Intensity LEDs

Energy-Efficient,  
Eco-Friendly

Designed For  
All Microscopes

SSZ, SPZ, DSZ,  
& NSW Series

7 Step  
Brightness  
Control

4 Individual  
Sector Controls

Effortless  
Attachment

3 Thumb Screw  
Attachment



## FEATURES

- 60 high-intensity LEDs
- 7 step brightness control
- 4 sectors with individual controls
- Flicker-free
- No color change with temperature

## Flicker-Free, Shadow-Free Illumination

The LED Ring Light with Brightness and Sector Controls is designed to be used with any brand of microscope. Excellent for applications requiring a high degree of lighting control. Incorporates 60 long life LED lights that are flicker free, operate at low temperatures and do not change color over time. Energy efficient and eco-friendly LEDs provide even, shadow-free illumination. Opening is 62mm with three thumb screws for mounting.

### LED RING LIGHT WITH BRIGHTNESS AND SECTOR CONTROLS

Item #	26800B-211
Compatibility	SSZ, SPZ, DSZ and NSW series
Illumination	60 eco-friendly LEDs
Color Temperature	5500K White
Lighting Options	7 step intensity control and 4 independent zones
Intensity	35,000 lux
Inner Diameter	62mm
Working Distance	50mm-160mm
Power Consumption	6W
Power Supply	DC 12V, 0.5A
Package Contents	LED Ring Light, Ring Light adapter, power supply

**NEW**



## Ring Light **LED** w/Polarizer

### Reduces Glare or reflection and brings out surface detail

60 LED ring light with Polarizer/Analyzer is ideal for illuminating shiny or highly reflective parts. Rotate the polarizer ring slowly till the glare is reduced or eliminated.

The LED lights are flicker free, energy efficient and ecofriendly and operate at low temperature and do not change color over time.

Opening 70mm with three thumb screws for easy mounting.

Comes complete with light control box and ring light adapter.

#### Features

- Polarizer with Analyzer reduces glare and reflections from shiny parts
- Flicker Free
- No color change with temperature
- Energy saving and eco friendly

#### RING LIGHT LED w/POLARIZER

<b>LED COLOR</b>	60 White LED
<b>LIGHTING CONTROL</b>	Variable
<b>LED COLOR TEMPERATURE</b>	8000k
<b>LIGHT INTENSITY</b>	300 lumens
<b>LED LIFE</b>	minimum 20,000 hours
<b>INNER DIAMETER</b>	70mm
<b>WORKING DISTANCE</b>	100mm
<b>POWER SUPPLY</b>	AC90-240V OUT DC18-22V
<b>PACKAGE CONTENTS</b>	One ring light, ring light adapter and variable light control box

Part #	Description
<b>26200B-214</b>	<b>Ring Light LED with Polarizer</b>

80 Adjustable  
UV LEDs  
  
Operating  
at 365nm

Adjustable  
Brightness  
  
Integrated  
Turn Dial

Easy  
Installation  
  
To Digital  
and Stereo  
Microscopes

# Ultraviolet LED Ring Light

Ultraviolet LED ring light for microscopes and digital microscopes. Features 80 adjustable ultraviolet LEDs operating at 365nm. Features a turn dial to adjust the brightness intensity.

## Ring Light Features

- 80 adjustable ultraviolet LEDs
- Features a turn dial to adjust brightness intensity
- Operates at 365nm
- Designed for microscopes and digital microscopes
- UV LEDs will highlight objects that fluoresce



### Ring Light UV LED 365NM

Item Number	26200B-215
LED Number	80pcs
UV Wave	365nm
Power Input	90-265 VAC / 50-60Hz
Adapter	24V/0.5A
LED Dimming	Linear Current Control
Color Render Index	Approx. 70 or Custom
Mounting Ring Size for Microscope	60mm or Custom



## Pro Series 40 LED Ring Light

Our Pro Series 40 ring light combines a powerful array of 40 white LEDs housed in an attractive black anodized aluminum enclosure designed to provide 360° shadow free illumination. The Pro Series 40 offers exceptional performance by delivering brilliant illumination with uncompromising energy savings. Our advanced 4 button LED controller utilizes a proprietary constant current design to provide maximum light output with long life and no color shift when dimming. The Pro Series 40 comes standard with a universal power source for worldwide operation. The fully adjustable dimming control allows you to fine-tune the illumination to desired level.

### Features

- 40 powerful high precision aligned LEDs (white daylight)
- 4 quadrant controller and auto voltage sensing power supply
- Machined aluminum alloy housing for durability
- 3 soft tip mounting screws
- Fully adjustable dimming control
- 360° shadow free illumination
- Instant on performance

### PRO SERIES 40 LED RING LIGHT

<b>LEDS</b>	40 White Daylight LEDs
<b>LIGHTING CONTROL</b>	Light control box with 4 quadrant switches and dimmer
<b>LED COLOR TEMPERATURE</b>	Daylight (5500 to 6500 degrees Kelvin)
<b>INSIDE RING DIAMETER</b>	66.8mm (2.63")
<b>OUTSIDE RING DIAMETER</b>	97mm (3.81")
<b>HEIGHT</b>	26mm (1.02")
<b>CABLE LENGTH</b>	182.88cm (6ft)
<b>MIN WORKING DISTANCE</b>	63mm (2.5")
<b>IDEAL WORKING DISTANCE</b>	88mm (3.5")
<b>MAXIMUM WORKING DISTANCE</b>	127mm (5")
<b>POWER SUPPLY</b>	100-240V
<b>CONTROL BOX DIMENSIONS</b>	100 x 70 x 35mm
<b>RING LIGHT DIMENSIONS</b>	97 x 26mm
<b>WEIGHT</b>	Ring Light: 0.5lb   Control Box: 0.2lb
<b>PACKAGE CONTENTS</b>	Ring Light, Control Box and Power Supply

Part #	Description	Price
<b>26200B-217</b>	<b>Pro Series 40 LED Ring Light</b>	<b>\$510.00</b>





## Pro Series 80 LED Ring Light

Our Pro Series 80 dual output LED ring light features an outer ring of 40 white LEDs and an inner ring of 40 UV LEDs operating at 360nm. These high quality LEDs are set at different angles to create uniform illumination across a wide range of working distances. The UV light is excellent for detecting fluoresces in adhesives, laminates and conformal coatings, forgery analysis, currency verification, gemstone & mineral inspection etc. Each ring and LED segment can be independently controlled using our advanced eight segment LED controller. Dual dimming controls provide maximum color stability at all dimming levels. CNC machined from a solid block of aluminum alloy allowing optimal thermal management and performance in a rugged attractive package. Comes standard with a universal power source for worldwide operation.

### Features

- 80 powerful high precision aligned LEDs
- 40 white LEDs (operating at daylight color temperature of 6000K) and 40 UV LEDs operating at 360nm
- Supplied with 8 quadrant controller and auto voltage sensing power supply
- Machined aluminum alloy housing for durability
- Supplied with 3 soft tip mounting screws
- 2 fully adjustable dimming controls
- 360° shadow free illumination
- Instant on performance
- Fits lenses up to 66mm (2.6")
- HDMI cable included-Connects controller to ring

### PRO SERIES 40 LED RING LIGHT

LEDS	80 LEDs (40 white and 40 UV)
LIGHTING CONTROL	Light control box with 8 quadrant switches and 2 dimmer controls
LED COLOR TEMPERATURE	White LED: 6000K   UV LEDs: 360nm
INSIDE RING DIAMETER	66.8mm (2.63")
OUTSIDE RING DIAMETER	105mm (4.11")
HEIGHT	26mm (1.02")
CABLE LENGTH	182.88cm (6ft)
MIN WORKING DISTANCE	88.9mm (3.5")
IDEAL WORKING DISTANCE	114mm (4.5")
MAXIMUM WORKING DISTANCE	178mm (7.0")
POWER SUPPLY	100-240V
CONTROL BOX DIMENSIONS	135 x 100 x 30mm
RING LIGHT DIMENSIONS	105 x 26mm
WEIGHT	Ring Light: 0.55lb   Control Box: 0.2lb
PACKAGE CONTENTS	Ring Light, Control Box, HDMI cable, power supply, safety glasses.

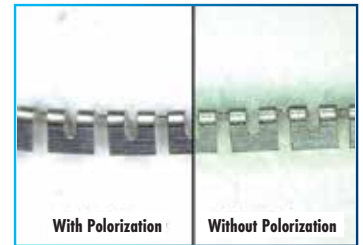
Part #	Description
<b>26200B-218</b>	<b>Pro Series 80 LED Ring Light</b>





Tools for  
Advancing  
Innovation

V1\_01-2018



# LED Ring Light with Adjustable Polarizer

## Reduce The Glare From Shiny or Reflective Objects

Aven's LED Ring Light with Adjustable Polarizer significantly reduces the glare from shiny objects, allowing operators to see details that could otherwise be obscured or washed out. Features a polarizer dial with reference markers to adjust the level of polarization. Includes a tinted glass analyzer insert for enhanced polarization effects.

Aven's LED Ring Light with Adjustable Polarizer features a built-in brightness dial for precise illumination control of 120 LEDs. Compatible with all of Aven's stereo zoom microscopes.

### Features

- Ideal for reducing glare from shiny/reflective objects
- 120 adjustable ultra bright SMD LEDs
- Polarizer dial with reference markers for precise adjustments
- Includes a tinted glass analyzer insert for enhanced polarization effects

**Ultra Bright**  
120 Adjustable SMD LEDs

**Versatile**  
Adjustable Polarizer Dial

**Eliminates Reflection**  
Reduces Excess Glare

## Also Featured in Two Microscope Systems



SPZV-511-260



SPZ-511-222

LED Ring Light with Adjustable Polarizer	
LED QUANTITY	120pcs
INPUT VOTAGE	DC24V/500mA
DRIVE METHOD	Constant Voltage
LIGHT INTENSITY	0~100%
ENVIRONMENT TEMPERATURE & HUMIDITY	0~40°/20~80%RH
LIGHT COLOR	White
LED LIFETIME	20,000 Hours min.
WORKING DISTANCE	40~120mm
DIMENSIONS (MM)	O.D.90mm x I. D.35mm x Height:33mm x Length: 99mm
FITTING DIAMETER	62mm
EMITTING HOLE DIAMETER	35mm
PACKAGE CONTENTS	LED Ring Light with Adjustable Polarizer, tinted glass analyzer, power supply, user guide

Part #	Description
26200B-222	LED Ring Light with Adjustable Polarizer

Email | sales@aventools.com

**aventools.com**

Phone | 734.973.0099

# OLED Ring Light for Microscopes

Organic Light  
Emitting  
Diode  
  
Natural  
Light Tone

Adjustable  
Panels  
  
Ideal  
Illumination  
Angle

Dimmer  
Control Box  
  
Adjust OLED  
Intensity

Dimmer control box for  
adjusting brightness intensity

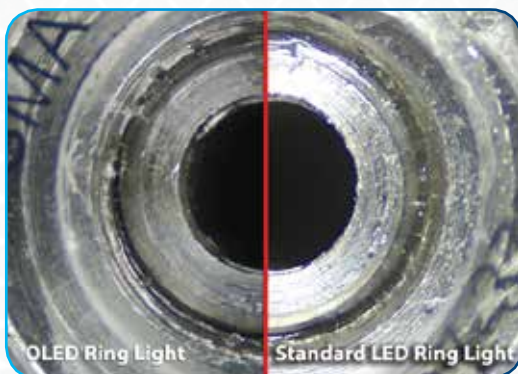
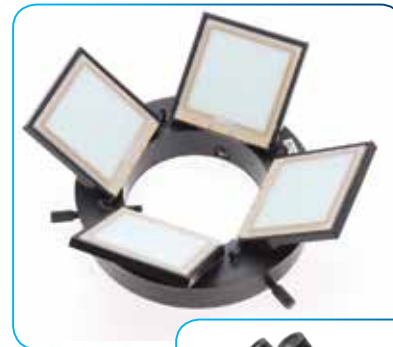


Four OLED adjustable panels

## Fully Adjustable Organic Light Provides Natural, Even Color Tone

The OLED Ring Light consists of four Organic Light Emitting Diode (OLED) panels, providing uniform, shadow-free illumination. OLED offers excellent color rendering close to natural light for ideal observation of true-to-life colors. Each panel can be tilted up and down, allowing for the ideal illumination angles. When compared to standard LED ring lights, the OLED Ring Light provides reduced glare and a natural light tone.

- Four adjustable OLED panels provide uniform, shadow-free illumination
- Offers excellent color rendering for true-to-life colors
- Compared to standard LED ring lights, the OLED Ring Light reduces glare and provides a natural light tone
- The dimmer control box gives users the ability to determine the brightness intensity
- Includes a ring light adapter for easy attachment to any Aven stereo zoom microscope



### OLED RING LIGHT FOR MICROSCOPES

Dimensions/Weight	9in x 11in x 1.5in / 1.2lbs
Illuminance at 100mm	MIN 800lx ~ MAX 2,500lx (5,000lx w/tilted panels)
Color Temperature	5400K
Aperture	41mm – 62mm 27mm – 40mm (with extenders for fixing screws)
Power Supply	AC Adapter (Input AC 100 – 240V, 50/60Hz)
Rated Voltage	DC15V
Power Consumption	5.5W (MAX)
Lifetime	Approx. 10,000 hours at middle intensity
Package Contents	OLED Ring Light, Power Supply, Ring Light Adapter

# Fiber Optic Illuminator 24W

Versatile Illumination	Fan-less	Adjustable Brightness
Easily Adaptable	Quiet Operation	Up to 1600Lx

Fan-less operation



## Fan-less, Ultra Bright Illumination

Aven's Fiber Optic Illuminator 24W is compatible with most fiber optic cables and guides. A versatile illumination source, this device easily adapts to your specific application. Users can choose from single and dual pipe guides, as well as annular ring lights and much more. The 26200A-310 contains a 24 watt LED lamp, outputs a color temperature of 5600K, and has an expected lamp life of 10,000 hours.

### Features:

- The light source is an ultra-bright and energy efficient LED, providing long-life illumination at low heat temperatures
- The unit operates quietly, with no distracting fan noise
- Adjustable brightness intensity up to 1600Lx
- Anti-static metal construction

Fiber Optic Illuminator 24W	
Item Number	26200A-310
Input	96-265VAC 50-60Hz
Power	24V-24W
Color Temperature	5600K
Illumination Intensity	1600Lx
Noise	<30dB
Ambient Temperature	5°C - 45°C
Working Temperature	<53°C
Lifetime	10,000 hours



# ProLux LED Fiber Optic Illuminator

ProLux LED Illuminator sets the standard for the new generation of LED fiber optic illuminators. Harnessing the power of the industry's highest performing high-output LED's, the ProLux LED is as bright or brighter than traditional illuminators, making it a viable alternative to existing halogen technology.

Designed for optimal thermal management to maximize reliability and optical performance, the ProLux LED provides exceptional stability, uniformity and a more consistent color temperature than traditional EKE light sources.

**Made in the USA.**

## Specifications

PROLUX LED FIBER OPTIC ILLUMINATOR	
<b>BRIGHTNESS</b>	Daylight 6000 K
<b>INPUT VOLTAGE</b>	96-264 VAC / 50-60Hz
<b>WORKING TEMPERATURE</b>	0-40 °C
<b>DIMENSION</b>	4.75in x 6in x 9in
<b>LAMP LIFE</b>	Minimum Lifetime of 25,000 Hours
<b>WEIGHT</b>	6.5 lb

## Features

- Accepts virtually any light guide with quick change adapters
- Advanced heat pipe technology using metal core PCB's
- Eliminates 100's of lamp replacements
- Exceeds performance of 150w halogen illuminators; higher brightness, better color, longer life, half the energy consumption and reduced ownership costs
- Linear light intensity control with continuous dimming
- Low energy consumption increases safety and reliability
- Maintenance free LED's have a minimum lifetime of 25,000 hours
- Small footprint and rugged housing is suitable for mounting and stacking in space constrained environments
- Superior, precision engineered cooling for extremely quiet operation

Part #	Description	Price
<b>26200A-300</b>	<b>ProLux LED Fiber Optic Illuminator</b>	<b>\$495.00</b>