USHIO *Applying Light to Life®*

Made in USA

MIDORI™ ULB-35

Fiber-Optic LED Light Source

For decades, Ushio America, Inc. has consistently provided high-quality illumination products in specialty markets worldwide. Responding to needs of customers with discerning applications, Ushio engineers have developed an exceptional LED fiber-optic illuminator in a compact size.

The Midori™ fiber-optic LED light source series combines state-of-the-art, solid-state illumination technology with Ushio's distinctive optical design to create a compact and lightweight fiber-optic lightbox with very high output efficacy that is ideal for industrial applications where space is a premium. This mercury-free, long-life ULB-35 LED light source has instant-on and extended electronic intensity dimming capabilities. Midori's spectral output below 430nm (deep blue and UV) and above 700nm (near IR) is minimal, which makes it ideal for sensitive applications.

Like Ushio's Solarc® fiber-optic illuminator series, the Midori ULB-35 fiber-optic light source is equipped with an ACMI fiber receptacle, as well as separate Storz and Olympus style adaptors, to accommodate most common fiber cable types. The ULB-35 conveniently accepts a DC input voltage in portable battery operation.

Consider Ushio America's eco-friendly Midori ULB-35 fiber-optic LED light source for your next specialty lighting project. The lightbox can also be configured to OEM custom specifications for private labeling. For more information, please contact our customer service group at 800.838.7446 or customerservice@ushio.com.

MIDORI™

FEATURES & BENEFITS

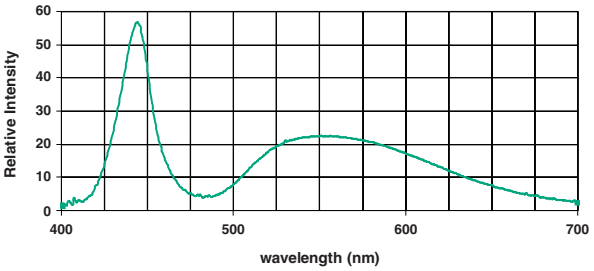
- Ultra Compact - Small Footprint Takes Very Little Space
- Energy Efficient - Increased Light Intensity Coupled Into Small Fibers at Lower Wattage Operation
- Electronic Dimming - High Dynamic Range for Intensity Control
- Lightweight - Less Than 1lb (0.45kg) for Exceptional Portability
- External Power Supply - Utility for Both AC and DC Operation
- Long Life - Less Maintenance and No Lamp Replacement Costs
- Low Noise - Both Electrical EMI and Audible Sound

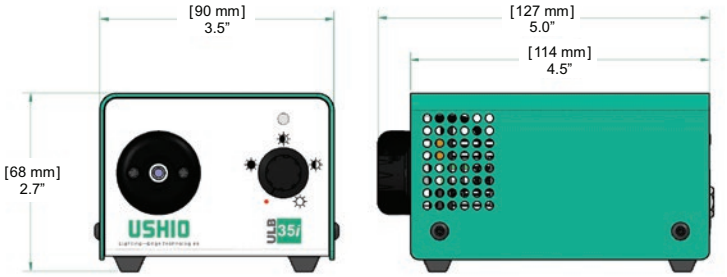
APPLICATIONS

- Industrial NDT Inspection
- Remote Visual Inspection
- Borescopy
- Microscopy
- Fiberscopes
- Flexible Videoscopes
- Industrial Fiber Optics

NOMINAL SPECIFICATIONS

Typical Spectral Profile





Midori ULB-35I: Fiber-Optic LED Light Source

Dimensions are inches [mm].

Watts (W)	Ordering Code	Lamp Description	Color Temp (K)	CRI	Lumen Output (lm)	Average* Rated Life (h)	Electrical Input
35	1003884	ULB-35i, 35W LED Light Source; UAI Green	6500	72	1350	50,000+	12 vdc
35	1003883	ULB-35p, 35W LED Light Source; OEM Black	6500	72	1350	50,000+	12 vdc
35	1005135	ULB-35p4, 35W LED LS; ACMI Black	6500	72	1350	50,000+	12 vdc
35	1004037	ULB-35pbf, 35W LED LS; Blue-Block	6500	72	1350	50,000+	12 vdc

* Based on LED manufacturer rated wattage and thermal operation.
• Intended for fiber-optic cables ranging from 2mm to 6mm active area diameters. Outputs may vary.

ULB-35I has been tested and certified to comply with the following industrial EMC and safety specifications:

• UL/EN/CSA 61010 • IEC 61347 • IEC 62471 • CE • UKCA

ACCESSORIES (Sold Separately)

- 1005321 = UPS-05, Universal PS w/ Locking Nut
- 1003881 = UPC-US, Power Cord; US
- 1003880 = UPC-EU, Power Cord; EU
- 1003882 = UPC-UK, Power Cord; UK
- 50159 = Storz Adapter
- 50160 = Olympus Adapter

UPS-05
Universal PS
w/ Locking Nut

UPC-US
Power Cord
EN60320/IEC320-C7

Output DC Connector
2.1mm x 5.5mm x 9.5mm
Rotary Collar Locking Nut

Input AC Connector
EN60320/IEC320-C8
Shaver Style

Midori ULB-35P

Consult factory for OEM customer private label options such as:

- Outer Box Cover and Chassis Color
- 4-Color Logo Silk Screen Printing
- Fiber Adapter Design Styles
- Photometric and Spectral Output Requests
- Minimum Order Quantities are Required

USHIO

⚠ **CALIFORNIA PROPOSITION 65 WARNING:** These products can expose you to Ethylhexyl Phthalate: DEHP, which is known to the State of California to cause cancer, birth defects, and other reproductive harm. For more information, go to www.P65Warnings.ca.gov.

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Refer to website for product availability, compliance, and regulations. Specifications may be subject to change without prior notice.

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Form No. S-ULB-35i/0226