USHIO *Applying Light to Life®*

Made in USA

# MIDORI™ UDC3

## Portable LED Light Source

For decades, Ushio America 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 portable light source.

The Midori™ portable 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 battery operated light source with very high output efficacy that is ideal for hand-held industrial applications. This mercury-free, long-life UDC3 portable LED light source has instant on/off switch 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.

The Midori UDC3 portable light source is equipped with an ACMI/Wolf threaded collar to directly connect to Storz universal style rigid and flexible type scopes as well as an Olympus style adapters are available. The UDC3 is powered by two Li-Ion rechargeable RCR123A batteries and will last for 60 minutes at full intensity operation. Moreover, the output intensity level is preserved after turn-off for improved user control.

Consider Ushio America's eco-friendly Midori UDC3 LED light source for your next specialty lighting project. The portable LED light source can be configured to OEM custom specifications or private labeling consideration. For more information, please contact our customer service group at 800.838.7446 or customerservice@ushio.com.

MIDORI™

### FEATURES & BENEFITS

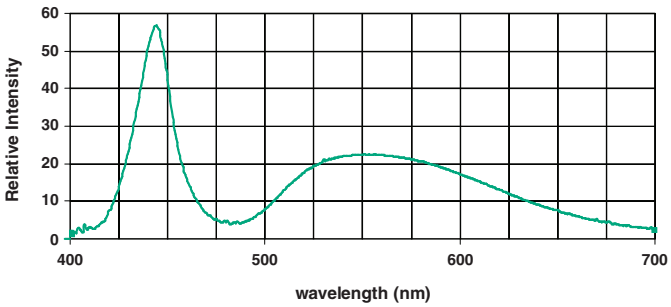
- Ultra Compact - Small Footprint and Ergonomic
- Energy Efficient - Increased Light Intensity Coupled Into Small Fibers at Lower Wattage Operation
- Analog Dimming - High Dynamic Range for Video Compatibility Intensity Control
- Lightweight - 4.5oz for Exceptional Portability
- Battery Operated - Requires Two Rechargeable Li-Ion RCR123A
- Long Life - Less Maintenance and No Lamp Replacement Costs
- Low Noise - Both Electrical EMI and Audible Sound - No Fan

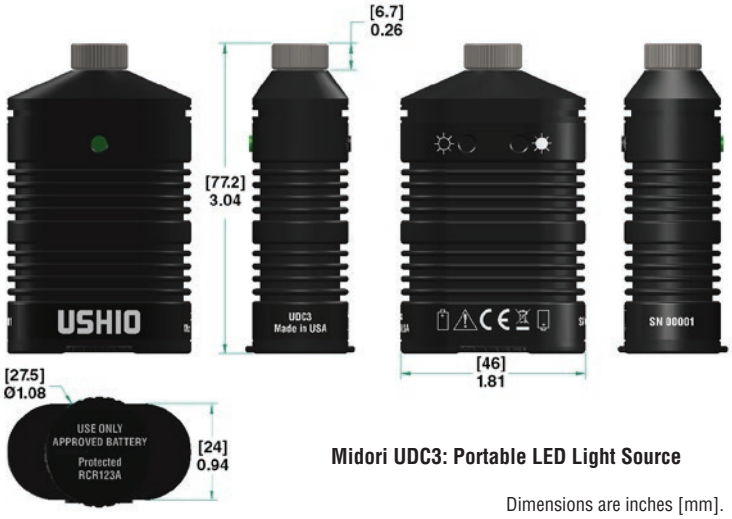
### APPLICATIONS

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

# NOMINAL SPECIFICATIONS

**Typical Spectral Profile**




**Midori UDC3: Portable LED Light Source**

Dimensions are inches [mm].

| Watts (W) | Ordering Code | Lamp Description | Color Temp (K) | Center Point (cx, cy) | CRI | Lumen* Output (lm) | Average** Rated Life (h) |
|---|---|---|---|---|---|---|---|
| 3 | 1003987 | UDC3-03 UAI Black ACMI | 5700 | 0.33, 0.34 | 72 | 300 | 35,000 |
| 3 | 1004146 | UDC3-07 UAI Black Olympus | 5700 | 0.33, 0.34 | 72 | 300 | 35,000 |

* Intended for fiber illumination diameters ranging from 0.75mm to 3mm active area. Outputs may vary.
** Based on LED manufacturer rated wattage and thermal operation.

UDC3 is compliant with the following industrial EMC and safety specifications:

- 2011/65/EU – RoHS Directive
- EN50581:2012
- 2006/95/EC (93/68 EEC) – Low Voltage Directive
- IEC 62471:2006 LED Photobiological safety lamp standard, categorized as Risk Group 2 (Moderate risk).

## ACCESSORIES (Sold Separately)

**Ordering code #1004146**
UDC3-07 UAI Black Olympus

**Ordering code #5002490**
UPS-02 RCR123A Li-Ion Battery

**Ordering code #5002491**
2-bay Smart Charger

Consult factory for OEM customer private label options.

⚠ **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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