The Midori™ ULB-50sc series UV (365nm) and UVV (405nm) LED light sources are premier fiber-optic delivered illuminators intended for spot curing adhesives or coating applications where benchtop space is a premium.

This feature-rich solid-state light source is extremely compact, energy efficient and easy to use that is compatible with, and surpasses most existing lamp-based system processes for cost-effective photo-curing solutions.

Versatile programming features and inherent narrow spectral bandwidth are combined with true-output irradiance is one of many unique features of our light source design for demanding UV spot curing applications.

This UV LED light source exhibits an optimized high output LED solution with an integrated microprocessor LCD user control panel with pre-aligned coupling optics providing best in class light delivery that is compatible with industry standard liquid light guides.

**APPLICATIONS**

UV Light Curing of Photoactivated:
- Adhesives
- Conformal Coatings
- Sealants and Encapsulants

Precision Assemblies Used in:
- Industrial
- Medical
- Electronics
- Optoelectronics

**FEATURES & BENEFITS**

- High Output Power Density
- Constant Output Control
- User Friendly Program Control
- UVA Narrow Spectral Width
- Lower Curing Temperatures
**Typical Spectrum**

- **Nominal Peak Wavelength**
  - 365nm
  - 405nm

<table>
<thead>
<tr>
<th>Watts (W)</th>
<th>Ordering Code</th>
<th>Lamp Description</th>
<th>Peak Wavelength (nm)</th>
<th>Spectral Bandwidth (FWHM**)</th>
<th>Output Irradiance (W/cm²)</th>
<th>Electrical Output</th>
<th>Average* Rated Life (h)</th>
</tr>
</thead>
<tbody>
<tr>
<td>50</td>
<td>1005108</td>
<td>Midori ULB-50sc UV Spot Cure, 365nm</td>
<td>365</td>
<td>28nm</td>
<td>25(2)</td>
<td>12vdc / 5A</td>
<td>10,000</td>
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<tr>
<td>50</td>
<td>1005109</td>
<td>Midori ULB-50sc UV Spot Cure, 405nm</td>
<td>405</td>
<td>28nm</td>
<td>32(2)</td>
<td>12vdc / 5A</td>
<td>10,000</td>
</tr>
</tbody>
</table>

(1) Outputs may vary and dependent on radiometer.

(2) Irradiance as measured through 5mm "Lumtec-D" industry standard Liquid Light guide.

(3) Reference irradiance as measured out of light source through 5mm quartz rod (up to 40W/cm²).

**ACCESSORIES (Sold Separately)**

- 1003879 = UPS-00, Universal Input PS; Desktop 60W/12vdc EN60320/IEC320-C8
- 1003881 = UPC-US, Power Cord; US - Shaver EN60320/IEC320-C7
- 1003880 = UPC-EU, Power Cord; EU - Shaver EN60320/IEC320-C7
- 1003882 = UPC-UK, Power Cord; UK - Shaver EN60320/IEC320-C7
- 1004095 = UPC-AU, Power Cord; AU - Shaver EN60320/IEC320-C7
- 5003217 = UAC-04, Std. Lumatec-D LLG; 5mm x 1m (Art 4081.1000)
- 5003301 = UAC-05 Collimating Optic; 5mm (Art 9200.0049)

**Midori ULB-50sc**

ULB-50sc has been tested and certified to comply with the following industrial EMC and safety specifications:

- UL/EN/CSA 61010
- IEC 61347
- IEC 62471
- CE
- UK

Consult factory for OEM custom design options such as:

- Private Labeled Turnkey Unit
- Product Color Scheme
- Mounting Features
- 4-Color Logo Silk Screen Printing
- Fiber optic Adapter Design Styles

Subject to Minimum Order Quantity Requirements.