**365DisInFx™ LED Luminaires**

**AVU Series- 365 DisInFx™ UVA / White LED Linear Industrial**

**Product Description**
Current’s 365DisInFx™ AVU Series Linear Industrial LED Luminaires offer effective general lighting performance similar to the ALV2 Series with significantly more capability. In addition to delivering high efficiency for light industrial and general application use, the AVU series also provides Current’s 365DisInFx™ UVA technology to help in the inactivation of surface bacteria where people are present and general purpose lighting is needed.

**Technical Summary**

**Testing Results:** 365DisInFx™ UVA disinfection technology was tested using in-vitro methods (as described in Livingston, Kvam¹) which resulted in 99.7% reduction in MRSA on surfaces exposed to 3W/m² of 365nm UVA over a single 8-hour period. Results of this testing also showed significant reduction over a similar exposure period of certain common pathogens including Staphylococcus aureus, Enterococcus faecalis, Escherichia coli, Acinetobacter baumannii, Pseudomonas aeruginosa, Candida albicans and auris, associated with Hospital Acquired Infections (HAIs). Photobiological science and mathematical modeling enables us to calculate expected inactivation rates for 24-hour continuous operation of the 365DisInFx™ UVA technology.

**Safety:** 24-hour dosage is designed to operate below human health exposure limits per IEC 62471 Photobiological Safety for Lamps and Lamp Systems standard and American Conference of American Hygienists (ACGIH®) TLVs® guidelines.

**Disinfection Light Source:** 365nm UVA light emitted is invisible to the human eye and does not impact CCT or CRI.

**Light Control:** Fixture LED white light source may be controlled by wired or wireless controls and is dimmable to 5%. The UVA disinfection lightsource has a fixed output and operates continuously.

**Product Availability**

**Product Ordering:** Product is commercially available and can be ordered for general use.

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**Notes:**
   - Inoculated steel disk carriers, modification of ASTM E-2197-02
   - Using a benchtop device that delivered the 3W/m² irradiance
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AVU Series -- 365DisInFx™ UVA / White LED Linear Industrial

Ordering Number Logic

<table>
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<tr>
<th>A V U 1</th>
<th>0 S</th>
<th>4T</th>
<th>_ _</th>
<th>1D</th>
<th>AD</th>
<th>_ _</th>
<th>VQ</th>
<th>ST</th>
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<tbody>
<tr>
<td>Family</td>
<td>Voltage</td>
<td>Fixture Type</td>
<td>Fixture Length</td>
<td>Nominal Lumens</td>
<td>Distribution</td>
<td>UV</td>
<td>CRI/CCT</td>
<td>Controls</td>
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<tr>
<td>AVU1</td>
<td>0 = 120-277 V</td>
<td>S = Stand Alone</td>
<td>4T = 4ft. nominal (46&quot;)</td>
<td>02 = 2000 lm</td>
<td>03 = 3000 lm</td>
<td>04 = 4000 lm</td>
<td>1D = Diffuse Lens</td>
<td>AD = All Day Continuous</td>
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<table>
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<tr>
<th>PRODUCT CODE</th>
<th>CATLOGIC</th>
<th>CCT</th>
<th>LUMENS CODE</th>
<th>WHITE LED WATTS</th>
<th>UV LED WATTS</th>
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Mounting and Accessories

**MOUNTING OPTIONS**

**Standard Chain/Cable Mount**
Available on all fixture configurations (chain not included). Cable w/ hook can be ordered as an accessory.

**Surface Mount (Optional)**
Available on all fixture configurations. Standard mounting option is surface mount ready.

**Cable with toggle (Optional)**
Order separately. 5ft., 10ft., 15ft., 20ft. lengths available.

**IMAGE**

- Attach to structural member
- ST = Standard

**ORDER LOGIC CODE**

*See 'Installation Instructions' for mounting details.*

Contact your Sales representative for UVA photometric data.
**Product Specifications:**

**LED & Optical Assembly**

- **CRI:** >80+
- **R9:** > 0
- **Color Consistency:** Central limit 4-step MacAdam Ellipse with LED recipe approach for tight unit to unit color control.
- **Rated Luminare Lumen Depreciation:** L85@50,000 hours
- **Lumen Tolerance:** +/- 10%
- **UV Output:** 365nm +/- 5nm

**Electrical**

- **Input Voltage:** 120-277 VAC
- **Input Frequency:** 50/60 Hz
- **System Power Factor (PF):** >0.9*
- **Total Harmonic Distortion (THD):** < 20%
- **LED Driver Type:** Class 2

*PF and THD may vary with options

**Ratings & Evaluations**

- **Operating Temperature:** - 20 C to +25 C
- **Storage Temperature:** -40 C to +70 C
- **Surge Protection:** ANSI C82.77 Compliant
- **Location:** Damp
- **Safety:** UL/cUL Classified
- **Environmental:** Compliant with material restrictions of RoHS
- **Country of Sale:** USA and Mexico

**Make An Informed Decision**

- UV radiation can pose a risk of personal injury. Overexposure can result in damage to eyes and bare skin. To reduce risk of overexposure, equipment must be installed in accordance with manufacturer’s site planning and application recommendations, including minimum ceiling height restrictions.
- UV solutions are intended for common high traffic spaces and not recommended for dwellings or home use.
- Installation of the devices should be performed by qualified professionals as detailed in Current’s installation guide.
- To allow for occupancy during use, Current products comply with IEC 62471 – Photobiological Safety of Lamps and Lamp Systems standards and American Conference of Governmental Industrial Hygienists (ACGIH®) TLVs® guidelines when installed as directed.
- Current’s UV products are meant to be used in conjunction with other protective measures like manual cleaning and the use of proper PPE. They are not a substitute for other measures.
- Current products are not intended to be used as a medical device.
- If combining two or more UV solutions, whether from GE Current, a Daintree company and/or other manufacturers, please consult a trained product application representative to ensure the total irradiance (UV dose) does not exceed recommended human exposure limits. To the extent UV solutions are combined, it may impact inactivation rates.