365DisInFx™ LED Luminaires
LPU Series – 365DisInFx™ Puck UVC

Product Description
Current’s 365DisInFx™ LPU Series provides germicidal ultraviolet (UVC) light for continuous disinfection in occupied spaces.

Example Applications: Bathrooms, Food Processing Facilities, Gym Locker Rooms, Hospitals, Commercial Offices, Retail, Entrances and Lobbies.

Technical Summary
Test results: GE Current, a Daintree company, has completed in-situation testing of its 365DisInFx™ UVC disinfection technology LPU series devices utilizing the aerosolized virus, bacteriophage MS2.

This benchmark testing with the bacteriophage MS2 resulted in 88% inactivation of the aerosolized virus in a 10-by-10-by-8-foot room within 4 hours. Applying the test results to 24-hour continuous operation of the 365DisInFx™ LPU would result in 44% inactivation of bacteriophage MS2 in 2 hours.

Bacteriophage MS2 is a nonenveloped virus that is commonly used as a surrogate for viruses that are pathogenic to humans. It is particularly useful as a surrogate because published scientific testing and literature supports that bacteriophage MS2 is more resistant to UVC than certain enveloped viruses such as coronaviruses and influenza.

Based on photobiological science and mathematical modeling, Current anticipates equivalent or better results for seasonal coronaviruses and SARS-CoV-2. When properly installed and configured for the space, continuous operation of the 365DisInFx™ LPU should provide 50% inactivation in the first hour of exposure, 90% inactivation (1 log) in 3 hours or less of exposure, and 99% inactivation (2 log) in 6 hours or less of exposure. Current continues to conduct additional confirmatory testing.

Safety: When used and installed as directed, continuous 24-hour exposure in occupied space is under the limits stated in IEC 62471 Photobiological Safety for Lamps and Lamp Systems standard and American Conference of American Hygienists (ACGIH®) TLVs® guidelines.

Coverage: At a ceiling height of 10’, the LPU will achieve a coverage area of approximately 50 ft².

Available For Ordering
Contact your local Current sales representative with order inquiries.
LPU Series – 365DisInFx™ Lumination Puck UV

Ordering Number Logic

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Notes:

- Voltage option “0” includes a power pack for 120/277VAC to 24VDC.
- Different finish requests acceptable; longer lead time and setup fee will be applied.

For layout requests, contact your local Current sales representative. Sales and agents can submit application design requests through E*Light or Salesforce opportunities.

Photometrics
LPU Series – 365DisInFx™ Lumination Puck UV

Product Specifications

LED & Optical Assembly
Indicator LED:
• Green = Circuit board powered on
• Red (Flash) = Overcurrent error
• Yellow = UVC LED powered on

UV LED: 254nm +/- 5nm

Electrical
Input Voltage: 120/277V
System Power Factor (PF): >0.9*
Max input wattage: 3.88W
Max input current: 0.058A
Total Harmonic Distortion (THD): <20%*
Power Pack PN: BZ-50/BZ-50RC (Legrand)

*PF and THD may vary with options

Ratings & Evaluations
Operating Temperature: -20ºC to +25ºC
Storage Temperature: -40ºC to 70ºC
Surge Protection: ANSI C82.77 Compliant
Location: Damp
Safety: UL/cUL certified
Environmental: Compliant with material restrictions of RoHS

Construction & Finish
Housing: Polycarbonate: Makrolon 2407, UV resistive
Weight: ~0.5 lbs.

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 for use 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.

Design Life & Warranty
Life: One (1) year life (further life testing ongoing)

Mounting Options
Standard Mounting: Drywall/J-box direct screw
T-Grid Clips: Provided with "LT" option
Wiring Access: ½” trade-size KOs on back side

Accessories & Options
Contact your GE Current, a Daintree company, sales representative for available options. For more information and access to all of our resources, including our design tools, visit: www.gecurrent.com.

CAUTION
UVC emitted from this product.
Install in compliance with manufacturer instructions to prevent risk of personal injury from UV radiation.

www.gecurrent.com
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