

# 365DisInFx™

UVC technology

## 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 ft<sup>2</sup>.

### Available For Ordering

Contact your local Current sales representative with order inquiries.

# LPU Series – 365DisInFx™ Lumination Puck UV

## Ordering Number Logic

LPU 1 - AD QQ -- -- WHTE BP

Family	Generation	Voltage	UV	Controls	Mounting	Mounting Height	Finish	Packaging
LPU	1 = 1st Gen	0 = 120/277 vac	AD = All Day Continuous	QQ = No Control	ST = Dry Wall/JBox LT = T-Grid	08 = 8'6" up to 9' 09 = 9' up to 10' 10 = 10' up to 11' 11 = 11' and higher	WHTE = White	SP = Single Pack BP = Bulk Pack

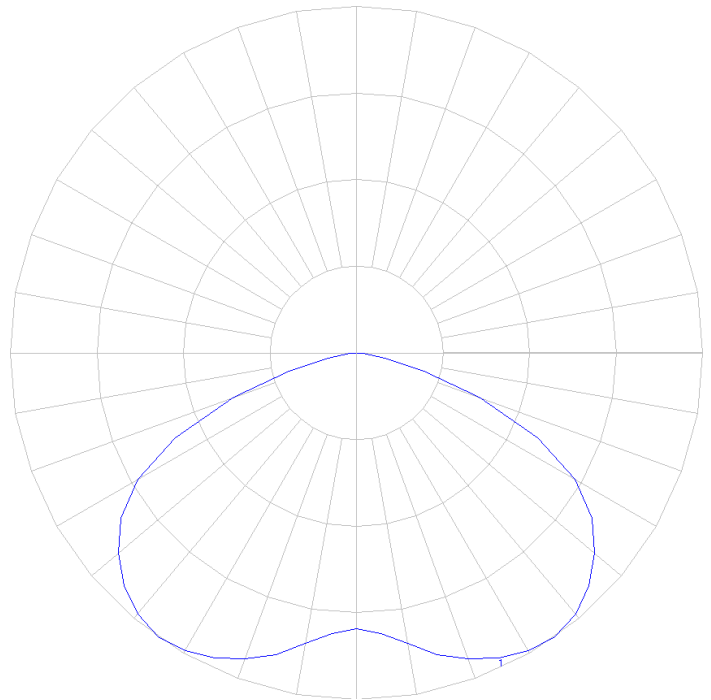
SKU #	Description
93140132	LPU10ADQQLT08WHTESP
93140133	LPU10ADQQLT09WHTESP
93140134	LPU10ADQQLT10WHTESP
93140135	LPU10ADQQLT11WHTESP
93138527	LPU10ADQQST08WHTEBP
93138528	LPU10ADQQST09WHTEBP
93138529	LPU10ADQQST10WHTEBP
93138530	LPU10ADQQST11WHTEBP
93141780	LPU10ADQQLT08WHTEBP
93141781	LPU10ADQQLT09WHTEBP
93141782	LPU10ADQQLT10WHTEBP
93141783	LPU10ADQQLT11WHTEBP
93141784	LPU10ADQQST08WHTEBP
93141785	LPU10ADQQST09WHTEBP
93141786	LPU10ADQQST10WHTEBP
93141787	LPU10ADQQST11WHTEBP

### 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: -20°C to +25°C

Storage Temperature: -40°C to 70°C

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.

#### 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](http://www.gecurrent.com).



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

### 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.