

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 of occupied spaces backed by breakthrough patent-pending technology. LPU is expected to provide 99% inactivation of aerosolized seasonal coronaviruses and SARS-CoV-2 in less than 6 hours, based upon completed in-situation testing.*

Applications can be designed in combination with the 365DisInFx™ UVA portfolio for viricidal and bactericidal disinfection.

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

Technical Summary

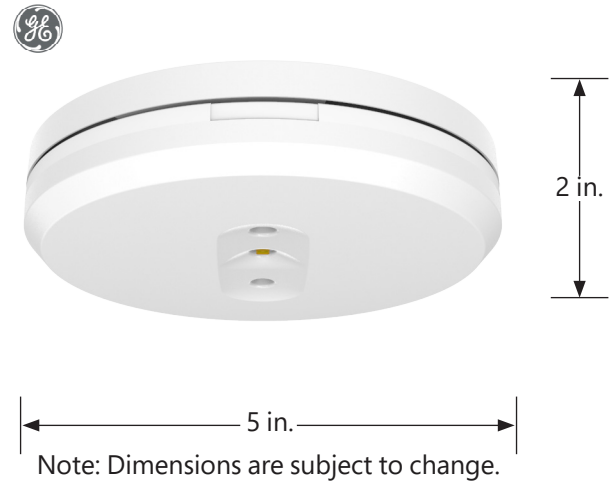
Technology: Current has completed in-situation testing of 365DisInFx™ LPU Series devices on the aerosolized virus, bacteriophage MS2.* Bacteriophage MS2 is a nonenveloped virus that is commonly used as a surrogate for viruses that are pathogenic to humans. MS2 is more resistant than enveloped viruses to UVC. These results predict a 1-log reduction (90%) in less than 3 hours or a 2-log reduction (99%) in less than 6 hours for seasonal coronaviruses and SARS-CoV-2 in a typical room application with 365DisInFx™ LPU devices operating 24 hours a day at levels below the limits specified by IEC 62471 photobiological safety guidelines for lamps and lamp systems. The 365DisInFx™ LPU devices were configured to deliver germicidal UVC for the duration of the test at levels below the daily exposure limits specified by IEC 62471.

Safety: When used and installed as directed, continuous 24-hour exposure in occupied space is under the limits stated in IEC 62471 Photobiological Safety of Lamps and Lamp Systems.

Coverage: At a mounting height of 10', the LPU will achieve a coverage area of approximately 50 ft²

* Triplet repeat surrogate testing was conducted in a room-sized test chamber, resulting in an 88% inactivation of the aerosolized virus MS2 at 4 hours, which is the basis for the predictive model.

Product Dimensions



Available For Ordering

Contact your local Current sales representative with order inquiries.

Notes

Installation of the device should be performed by qualified professionals as detailed in Current's installation guide.

Luminaires using Current's 365DisInFx™ technology are not intended to be used as medical devices and are not registered as such under any applicable laws.

* Triplet repeat surrogate testing was conducted in a room-sized test chamber, resulting in an 88% inactivation of the aerosolized virus MS2 at 4 hours, which is the basis for the predictive model.

LPU Series – 365DisInFx™ Lumination Puck UV

Ordering Number Logic

LPU 1 - AD QQ -- -- WHITE

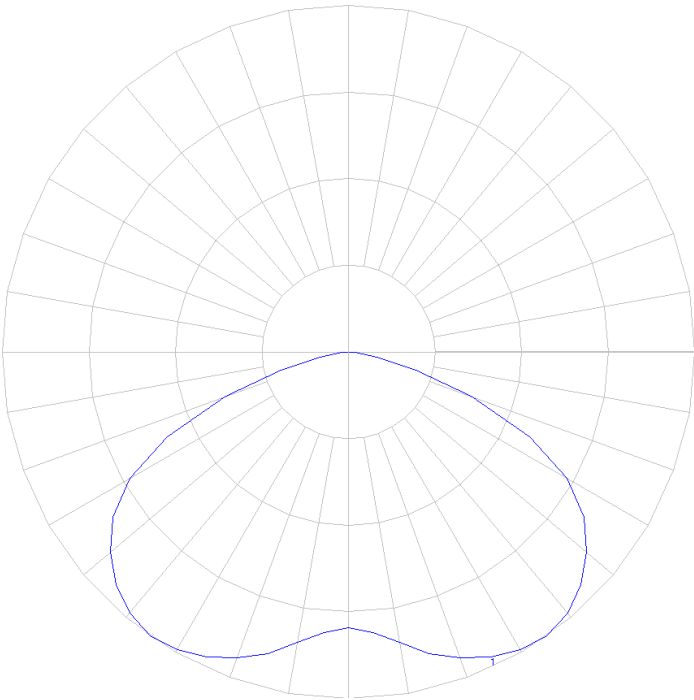
Family	Generation	Voltage	UV	Controls	Family	Mounting Height	Finish
LPU = Lumination Puck UV	1 = 1st Gen	0 = 120/277VAC	AD = Continous UV	QQ = No Control	ST = Dry Wall/JBox	08 = 8.5 ft.	WHITE = White
					LT = T-Grid	09 = 9 ft.	
						10 = 10 ft.	
						11 = 11 ft.	

SKU #	Description
93138527	LPU10ADQQST08WHITE
93138528	LPU10ADQQST09WHITE
93138529	LPU10ADQQST10WHITE
93138530	LPU10ADQQST11WHITE

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.
- Standard mounting is "ST;" others will require longer lead time.

Photometrics



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

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

UVC LED: ~255nm nominal peak wavelength

Electrical

Input Voltage: 120/277V

System Power Factor (PF): TBD

Total Harmonic Distortion (THD): TBD

Power Pack PN: BZ-50/BZ-50RC (Legrand)

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 Listed (pending)

Environmental: Compliant with material restrictions of RoHS

Construction & Finish

Housing: Durable/high-temperature modified polycarbonate housing

Weight: TBC (~2lbs)

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

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