



# ***UVC Germicidal LED Disinfection Lamp***

**UVC LED Light enables Air & Surface Disinfection.**

**Ultraviolet Germicidal Irradiation (UVGI) Technology uses ultraviolet light to break down and inactivate infectious organisms such as bacteria, viruses, and other pathogens.**

**Combined UV Irradiation and Disinfecting Air Convection.**

**Optimal UVC wavelengths of 265nm for Disinfection with safe Near UVA 405nm visible light for Bacteria Decontamination.**



**U.S. Patent #s  
11,160,897 D819,839**



- **High UV Energy Intensity ( $\mu\text{W}/\text{cm}^2$ ) •**
- **Optimal UV Wavelengths for Disinfection •**
- **Suitable for Open & Enclosed Fixtures •**

**CAUTION – WARNING ! Skin exposure to germicidal wavelengths of UV light can produce rapid sunburn and skin cancer ! This UV radiation can damage the retina of the eye !**



# UVC Germicidal LED Disinfection Lamp

*Ultraviolet Germicidal Irradiation (UVGI) LED Technology*

- UVC LED Light for Air & Surface Disinfection
- Optimal Disinfecting UV Wavelengths
- UV Irradiation & Air Convection
- High UV Intensity ( $\mu\text{W}/\text{cm}^2$ )
- Optional Tripod Cord & Plug
- 5-Years | 30,000 Hours Warranty<sup>(\*)</sup>
- Optional Occupancy Sensor & Timer



U.S. Patent #  
11,160,897 D819,839



Model	Product	Size	Power	Area	Irradiance
CL-30W8-UVG-E26	UVG LED Lamp 120V 30W UVA+UVC 360°	$\varnothing 3\frac{1}{2} \times 6\frac{1}{8}$ "	30W 300mW	~200 ft <sup>2</sup> @ 3 Hour	4 $\mu\text{W}/\text{cm}^2$ at 1 Meter
CL-50W11-UVG-E39	UVG LED Lamp 120V 50W UVA+UVC 360°	$\varnothing 4\frac{1}{2} \times 7$ "	50W 500mW	~200 ft <sup>2</sup> @ 2 Hour	7 $\mu\text{W}/\text{cm}^2$ at 1 Meter
CL-100W11-UVG-E39	UVG LED Lamp 120V 100W UVA+UVC 360°	$\varnothing 4\frac{1}{2} \times 9\frac{3}{4}$ "	100W 1,000mW	~200 ft <sup>2</sup> @ 1 Hour	12 $\mu\text{W}/\text{cm}^2$ at 1 Meter
CL-150W12-UVG-E39	UVG LED Lamp 120V 150W UVA+UVC 360°	$\varnothing 5\frac{1}{2} \times 12\frac{1}{2}$ "	150W 1,500mW	~300 ft <sup>2</sup> @ 1 Hour	20 $\mu\text{W}/\text{cm}^2$ at 1 Meter
UV-TRIPOD	Tripod for UV Lamps E39 + 12ft Cord & Plug	$\varnothing 3' \times 2\sim 5'$	Telescopic Tripod, with E39 Socket and 12ft Cord + 120V 3-Prong US Plug		

• 120-277Vac ~50/60Hz • PF > 0.9 • Med. (E26) or Mogul (E39) Lamp Base •

• (\*) Rated Life 30,000 Hrs. ( $L_{70} B_{50}$ ) at  $T_{[A]}$  25°C Max. • UVC 265nm • UVC Power in mW •

**CAUTION: Exposure of the eyes to this UV radiation can produce extremely painful inflammation of the cornea and temporary or permanent vision impairment, up to and including blindness in some cases !**





# UVC Germicidal LED Disinfection Lamp

*Ultraviolet Germicidal Irradiation (UVGI) LED Technology*

*With Integrated Motion Sensor & Tripod*

- UVC LED Light for Air & Surface Disinfection
- Optimal Disinfecting UV Wavelengths
- Built in Occupancy Sensor Protection
- Turn ON Safety Time Delay
- Re-Triger Self Power Timer
- Simple Plug-in Operation
- Foldable Tri-pod Cord & Plug
- 5-Years | 30,000 Hours Warranty(\*)



U.S. Patent #  
11,160,897 D819,839

Model	Product	Size	Power	Area	Irradiance
CL-30W8-UVG-TP	UVG LED Lamp 30W UVC w/Tripod & MS	Ø3½ x 6⅝"	30W 300mW	~200 ft <sup>2</sup> @ 3 Hour	4μW/cm <sup>2</sup> at 1 Meter
CL-50W11-UVG-TP	UVG LED Lamp 50W UVC w/Tripod & MS	Ø4½ x 7"	50W 500mW	~200 ft <sup>2</sup> @ 2 Hour	7μW/cm <sup>2</sup> at 1 Meter
CL-120W11-UVG-TP	UVG LED Lamp 120W UVC w/Tripod & MS	Ø4½ x 9¾"	120W 1,200mW	~200 ft <sup>2</sup> @ 1 Hour	13μW/cm <sup>2</sup> at 1 Meter
CL-150W12-UVG-TP	UVG LED Lamp 150W UVC w/Tripod & MS	Ø5½ x 12½"	150W 1,500mW	~300 ft <sup>2</sup> @ 1 Hour	20μW/cm <sup>2</sup> at 1 Meter
Tripod for UV Lamps with HFD Motion / Occupancy Sensor and 12ft Cord & Plug		Ø3' Open by 3' High	Folding Tripod, with Motion Sensor and 12ft Cord + 120V 3-Prong US Plug		

• 120-277Vac ~50/60Hz • PF > 0.9 • 12ft Cord + 120V 3-Prong US Plug •

• (\*) Rated Life 30,000 Hrs. (L<sub>70</sub> B<sub>50</sub>) at T<sub>A</sub> 25°C Max. • UVC 265nm • UVC Power in mW •

**CAUTION: Exposure of the eyes to this UV radiation can produce extremely painful inflammation of the cornea and temporary or permanent vision impairment, up to and including blindness in some cases !**



# UVC Germicidal LED Disinfection Lamp

## CSA America Certification – IES LM-58 Spectral Irradiance Testing

**CSA GROUP**

**Product Performance Report - On-Axis Irradiance/Energy**  
Product Test Report

**Test results reported for:**  
Olympia Lighting Inc.  
Product Description: CL-120W11-UVG-E39

**Issued Report:**  
CL-120W11-UVG-E39  
#0002205-19995  
Original issue date:  
Thursday, November 5, 2020

**Revision Issue Date:**  
First Issue

**Prepared for:**  
Olympia Lighting Inc.  
148 Veterans Drive,  
Northvale, New Jersey 07647  
United States  
Attn:  
Remy Shahi

**Testing performed by:**  
CSA Group  
14833 NE 87th St, Redmond, WA 98052  
425-855-6500  
[www.csagroupinc.com](http://www.csagroupinc.com)

**Test report prepared by:**  
*Aaron Miller*  
Aaron Miller  
Laboratory Manager  
Test & Measurement Services

Page 1 of 3

**Product Performance Report - On-Axis Irradiance/Energy**  
Manufacturer: Olympia Lighting Inc. Report Number: CLY0002-020  
Product Description: CL-120W11-UVG-E39 Release Date: 11/5/2020

**SAMPLE DESCRIPTION**

Lab sample identification: CL-120W11-UVG-E39  
Customer identification:  
Manufacturer:  
Part number: CL-120W11-UVG-E39  
Model number:  
Description:

Manufacturer's ratings:  
Max Current (A):  
Operating voltage (V):  
Storage (vacuum):  
Frequency (Hz):  
Type:

**Sample Device as Received**

**Sample Device Mounted to Test Apparatus**

**Equipment Geometry -**

**Test Geometry - Cartesian Coordinates: Vertical Plane**

**Measurement System Description**  
Reference: Custom Test: Irradiance on a Plane  
A single point or plane is established distance (z) from the emission aperture. A single measurement, or series of measurements are performed at this distance.

Page 2 of 3

**Product Performance Report - On-Axis Irradiance/Energy**  
Manufacturer: Olympia Lighting Inc. Report Number: CLY0002-020  
Product Description: CL-120W11-UVG-E39 Release Date: 11/5/2020

**SUMMARY**

Distance to Surface Meters	Average Total Irradiance (μW/cm²)	Average UVC Irradiance (μW/cm²)	Time needed to reach 20mJ/cm² UVC (s)	Time needed to reach 100mJ/cm² UVC (s)
1.000	21.59	21.23	942	4710
2.000	5.44	5.39	3852	11780
3.048	3.09	3.06	7203	36000

BIN (400 - 1000nm)	0.08%
BIN UVA (315 - 400nm)	0.27%
BIN UVA (315 - 355nm)	0.67%
BIN UVC (200 - 280nm)	99.06%
TOTAL UV	99.93%

**Spectrum normalized to Peak = 1**

Page 3 of 3

### Suggested Run-Time of UVC Lamp for Disinfected Area:

Model	Power	Area ft <sup>2</sup>	Disinfection Time (min.)	Ventilation Time (min.)
CL-30W8-UVG-TP	30W	~200 ft <sup>2</sup>	180	30
CL-50W11-UVG-TP	50W	~200 ft <sup>2</sup>	120	30
CL-120W11-UVG-TP	120W	~200 ft <sup>2</sup>	60	60
CL-150W12-UVG-TP	150W	~300 ft <sup>2</sup>	60	60

**For best performance, place the UVC Lamp in Center of Desired Area  
3ft above floor or treated surface  
Or, install facing down from ceiling**

**CAUTION: Exposure of the eyes to this UV radiation can produce extremely painful inflammation of the cornea and temporary or permanent vision impairment, up to and including blindness in some cases !**