USHIO *Applying Light to Life*

Care222®
Filtered Far UV-C Excimer Lamp Modules

Technical Specifications

Ushio is proud to expand the Care222® series, our line of filtered 222nm Far UV-C excimer lamp modules for microbial reduction applications, with the addition of the Care222 B1.5 module.

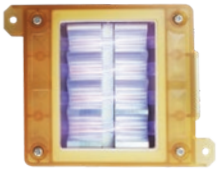
Filtered Care222 modules allow microbial reductions, and can be safely used in unoccupied and occupied spaces without posing a health risk to humans when used within the current 2022 exposure limits recommended by the American Conference of Governmental Industrial Hygienists (ACGIH®) or the requirements of IEC 62471.

The featured Care222 12W B1 and B1.5 modules contain four highly efficient 222nm excimer lamps and a patented optical filter that eliminates dangerous longer wavelengths of more than 230nm in an easy to install housing. The B1.5 module also includes an optical diffuser, creating a wider beam angle than the standard Care222 B1 Module.

Care 222®

FEATURES & BENEFITS

- Proprietary Safety Filter Technology Included to Ensure Narrowband 222nm Emission
- Mercury Free - Environmental Friendly
- Large Production Capacity
- Effective Germicidal Wavelength
- Effective Reduction of Viruses, Bacteria, and Spores
- Wide Operating Temperature
- Instantaneous On/Off at Full Output Power
- No Lifetime Reduction by Frequent On/Off Cycles
- Narrow and Diffused Wide Beam Options Available



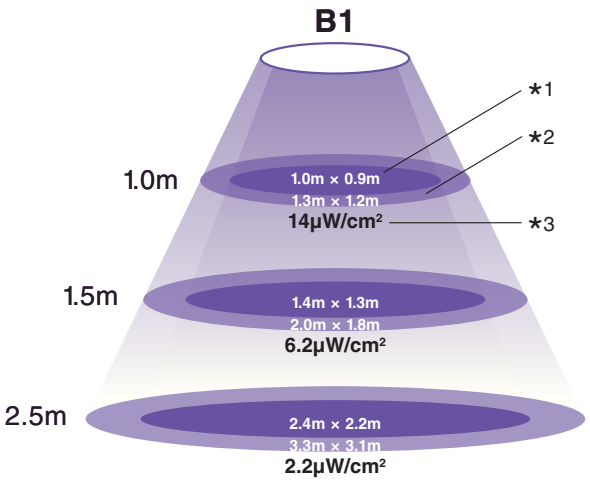
B1 Narrow Beam Module
Item# 5003332

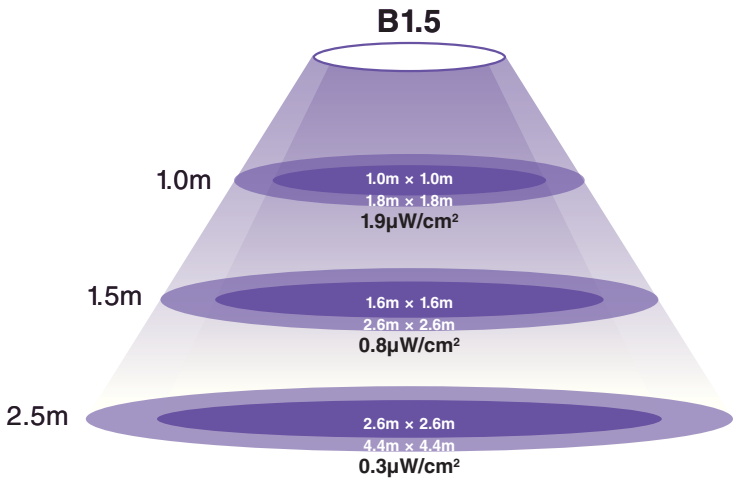
Care222 12W 24VDC Inverter
Item# 5003339

B1.5 Wide Beam Module
Item# 9101882

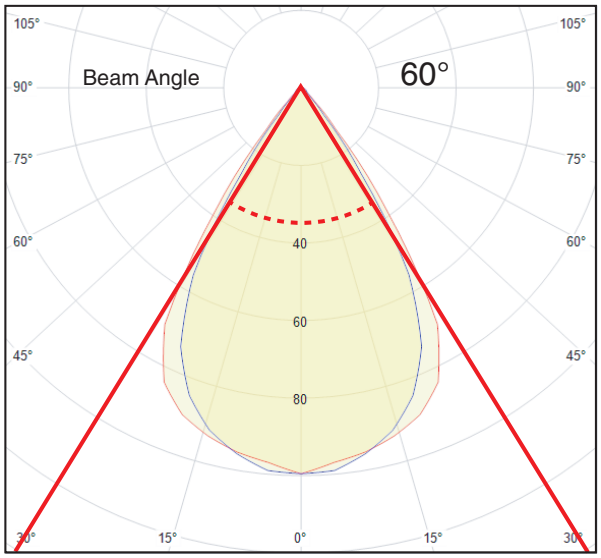
Ushio Care222 B1 Module	Product Name	Ushio Care222 B1.5 Module
Filtered 222nm	Wavelength	Filtered 222nm
60°	Beam Angle	110°
Yes	Optical Filter	Yes
No	Optical Diffuser	Yes
14uW/cm^2	UV Output (Center Irradiance @1m)	1.9uW/cm^2
24VDC	Electrical Input (Inverter)	24VDC
11W	Power Consumption	11W
4kV – 6kV	Lamp Operating Voltage	4kV – 6kV
10,000hr (80% Output)	Average Rated Lamp Life	10,000hr (80% Output)
75 x 97 x 28	Dimensions (mm)	75 x 97 x 28

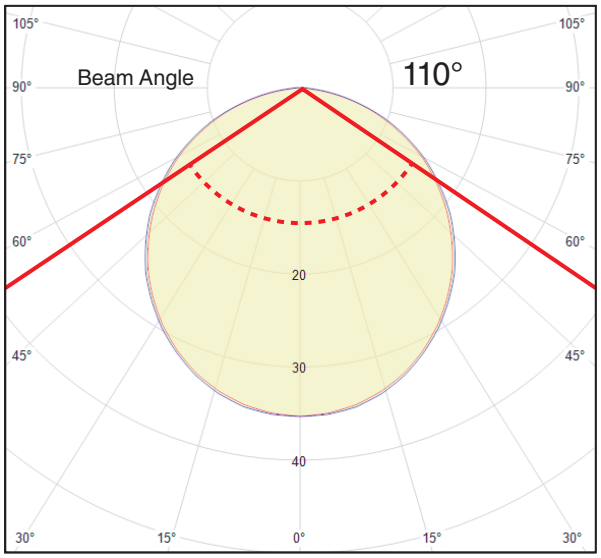
B1 AND B1.5 IRRADIANCE DISTRIBUTION SPECIFICATIONS





*1 Area of >60% Peak Irradiance
*2 Area of >30% Peak Irradiance
*3 Peak Irradiance





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Form No. TS-CARE222/0922