



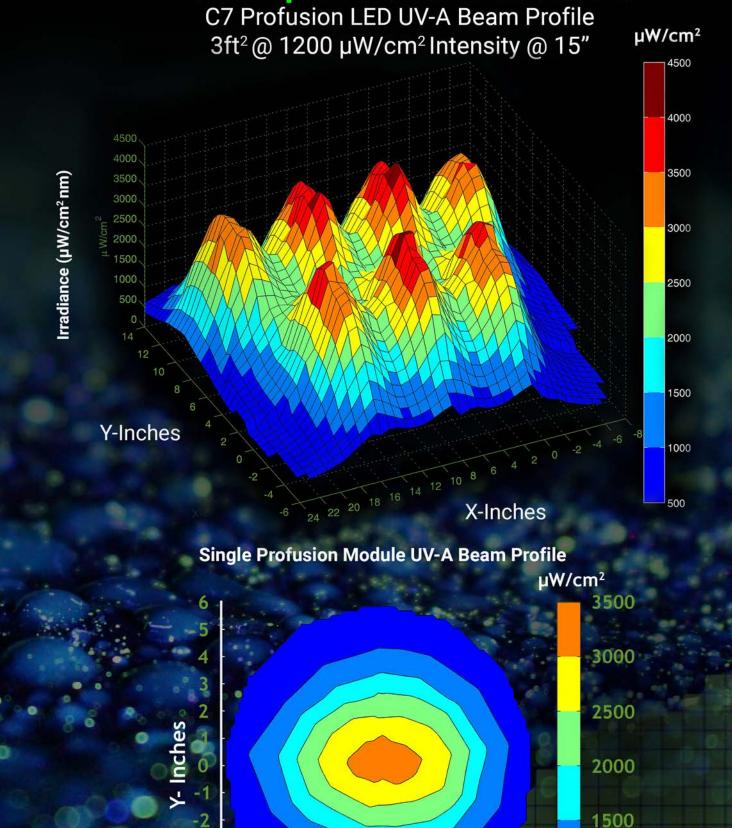
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Profusion Glo-Black Single Module UV-A LED Salient Characteristics

Performance Attributes	Parameters
Maximum Irradiance (at 15 in/38cm)	5000 μW/cm²
Peak Wavelength	365 ± 5 nm
Irradiance at Peak Wavelength (at 15 in)	> 200 µW/cm ²
Typical Irradiated Area (profile at 15 in)	Circular Spot 9" Diameter > 1000 μW/cm² (347-382nm)
Emission Spectrum	
Full Width at Half Maximum (FWHM)	≤ 15 nm
Longest Wavelength at Half Max (LWHM)	≤ 380 nm
Full width at 10% Maximum	≤ 30 nm
Excitation Irradiance (347-382 nm)	> 2500 µW/cm²
Wavelength Drift (at 70°F ambiant)	≤ 3 nm
Working Distances	
ASTM	Minimum WD ≤ 5 in
RRES 90061	Minimum WD = 15 in
Section 1981	Maximum WD = 36 in
Typical Visible Emission	the second of
ASTM range (400-760 nm)	≤ 2 ft candles
RRES 90061 range (390-800 nm)	≤ 20 lux at 15 in
	≤ 5 lux at 36 in

Physical Attributes	Parameters
Operating Environment	32 - 120 F
Maximum Housing Temerature (at 70° F ambient)	104°F (7
Lamp Cord Length	Custom
Power Supply	Custom
Weight	3.08 lb
Power in	90-264 VAC / 47 ~ 63Hz < 0.6A
Specification Compliance	ASTM E3022
	RRES 90061

LED Output Profile at 15 Inches



-4

-5

-6 -5 -4 -3 -2 -1

X-Inches

1000

500



/////// 1-Year Warranty ///////



REL's booth mounted Glo-Black Profusion LED UV-A Inspection light modules utilize the latest in safe high output LED technology. The Profusion is an expandable modular solution that provides brilliant and uniform ambient UV-A light for in-process verification and inspection.

The Profusion is designed for the intensity requirements of Fluorescent Penetrant Inspection (FPI) and Magnetic Particle Inspection (MPI). Each Profusion module provides a 9-inch diameter of UV-A intensity above 1000 μ W/cm2 at 15 inches. The integral filter in the Profusion limits the visible light to 20 lux (1.86 foot-candles) at 15 inches and 5 lux (0.47 foot-candles) at 36 inches. Each Profusion module contains LED emitters with a built-in static-electric discharge circuit. The light's electrical components are sealed and passively cooled within an engineered finned housing manufactured from military grade aluminum. This allows the light to perform in all environments regardless of ambient conditions. These modules can be assembled together and wired in a series to obtain a conformable area of uniform intensity UV-A light.

Kit includes:

- Profusion Glo-Black LED UV-A light
- Power supply
- Connection cords
- D-rings for mounting
- Safety glasses

Profusion LED attributes:

- Certificate of Conformance and a serialized validation report
- Tested to comply with Rolls-Royce RRES 90061 Requirements
- Tested to comply with ASTM E3022 Standard
- Input voltage 90V-264V AC
- · Customized for your inspection area
- Refurbishable

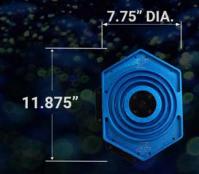
Directions For Use

- 1. Drop
- 2. Kick
- 3. Use

*Note: Steps can be performed in any order!

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