

**Glo Black Profusion
LED UV LIGHT**

LED modules designed for your needs!

Tested to comply with both	
ASTM	Rolls-Royce
E3022	RRES 90061
Standard	Requirements

1-Year Warranty

relinc.net



Glo Black Single Profusion Module

UV-A LED Salient Characteristics

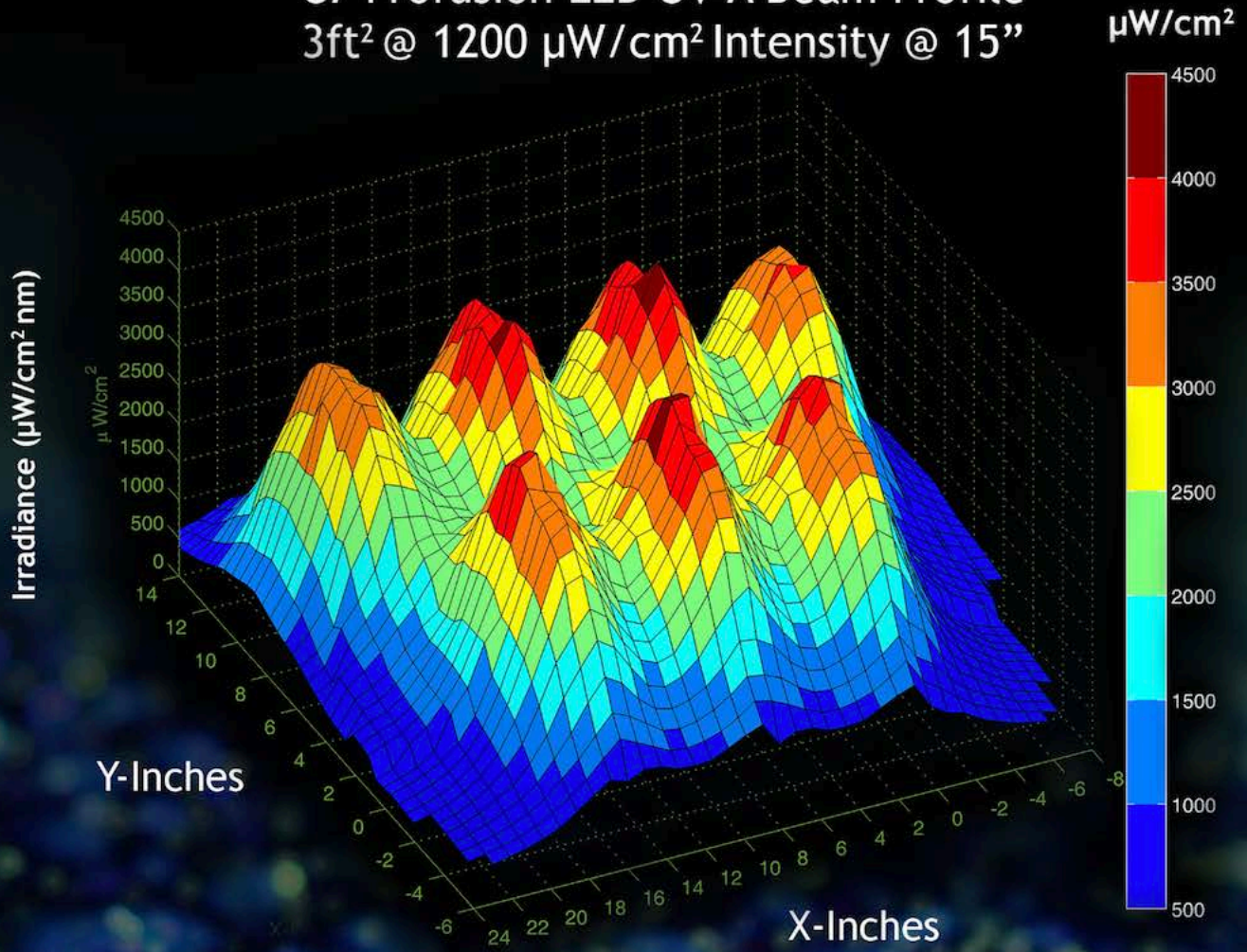
<i>Performance Attributes</i>	<i>Parameters</i>
Maximum Irradiance (at 15 in/38cm)	5000 $\mu\text{W}/\text{cm}^2$
Peak Wavelength	365 \pm 5 nm
Irradiance at Peak Wavelength (at 15 in)	> 200 $\mu\text{W}/\text{cm}^2$
Typical Irradiated Area (profile at 15 in)	Circular Spot 9" Diameter > 1000 $\mu\text{W}/\text{cm}^2$ (347-382nm)
Emission Spectrum	
Full Width at Half Maximum (FWHM)	\leq 15 nm
Longest Wavelength at Half Max (LWHM)	\leq 380 nm
Full width at 10% Maximum	\leq 30 nm
Excitation Irradiance (347-382 nm)	> 2500 $\mu\text{W}/\text{cm}^2$
Wavelength Drift (at 70° F ambient)	\leq 3 nm
Working Distances	
ASTM	Minimum WD \leq 5 in
RRES 90061	Minimum WD = 15 in
	Maximum WD = 36 in
Typical Visible Emission	
ASTM range (400-760 nm)	\leq 2 ft candles
RRES 90061 range (390-800 nm)	\leq 20 lux at 15 in
	\leq 5 lux at 36 in

<i>Physical Attributes</i>	<i>Parameters</i>
Operating Environment	32 - 120° F
Maximum Housing Temperature (at 70° F ambient)	122° F
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

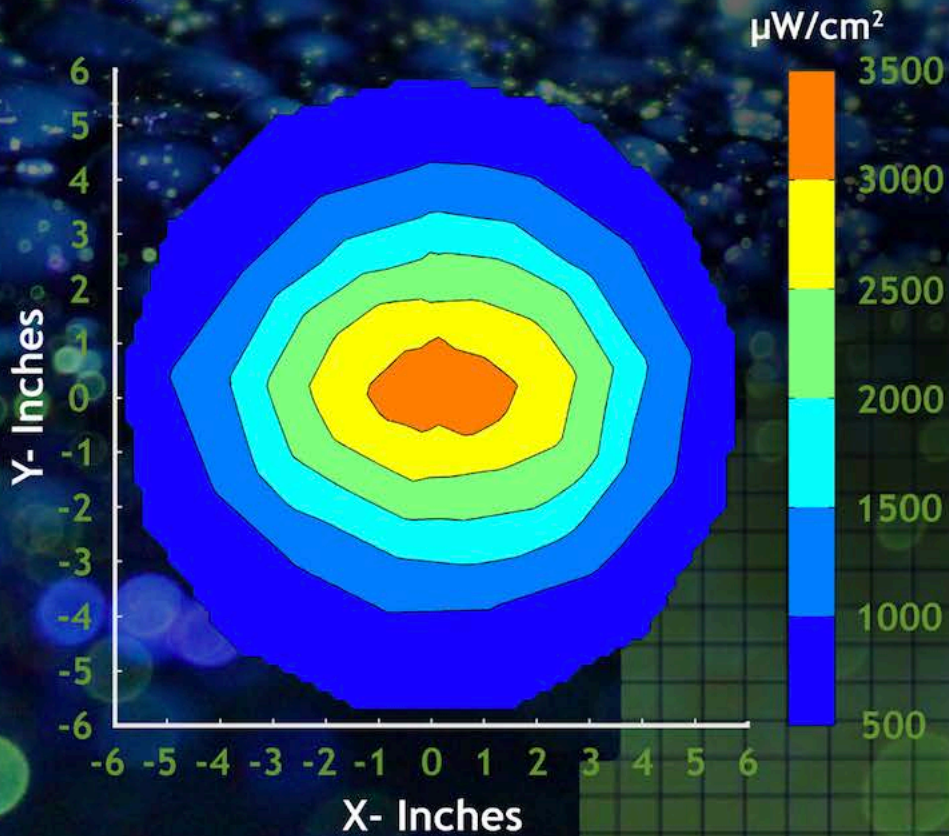


LED Output Profile at 15 Inches

C7 Profusion LED UV-A Beam Profile
3ft² @ 1200 $\mu\text{W}/\text{cm}^2$ Intensity @ 15"



Single Profusion Module UV-A Beam Profile





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

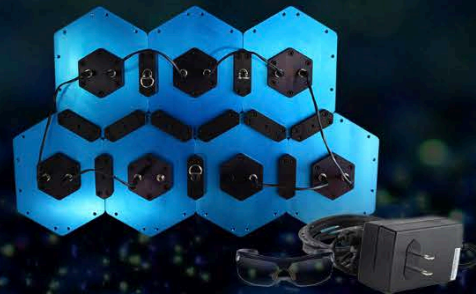


The REL Model GLO-Black Profusion LED UV Inspection light system utilizes the latest in safe high output UV-A LED technology. This black light is a highly conformable modular solution that maximizes operator safety and time on task. Each Profusion module contains separate 4 high flux-UV LED emitters that have a built in static-electric discharge circuit to allow the light to perform in all environments regardless of ambient conditions.

The Profusion is designed for all 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 $1000 \mu\text{W}/\text{cm}^2$ at 15 inches. The integral filter in the Profusion limits the visible light to 20 lux at 15 inches and 5 lux at 36 inches. The Profusion light is sealed and cooled with an engineered finned housing. It is manufactured from a military grade aluminum alloy. The Profusion GLO-Black light will survive the toughest, wettest, and most severe work environments on the planet!

Kit includes:

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



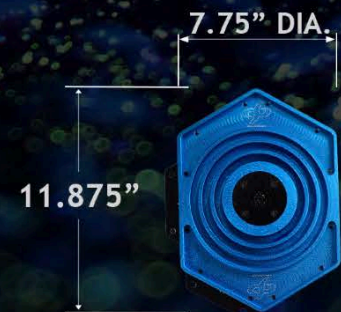
Profusion LED attributes:

- 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

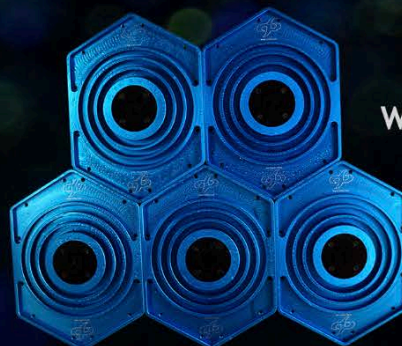
Directions For Use

1. Drop
2. Kick
3. Use

*Note: Steps can be performed in any order!



Weight of 1 Module: 3.08 lb.



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