



**C4 Magnum LED
UV-A LIGHT**

American. Brilliance.

Tested to comply with both

ASTM
E3022
Standard

Rolls-Royce
RRES 90061
Requirements



relinc.net

C4 Magnum LED

UV-A LED Light Characteristics

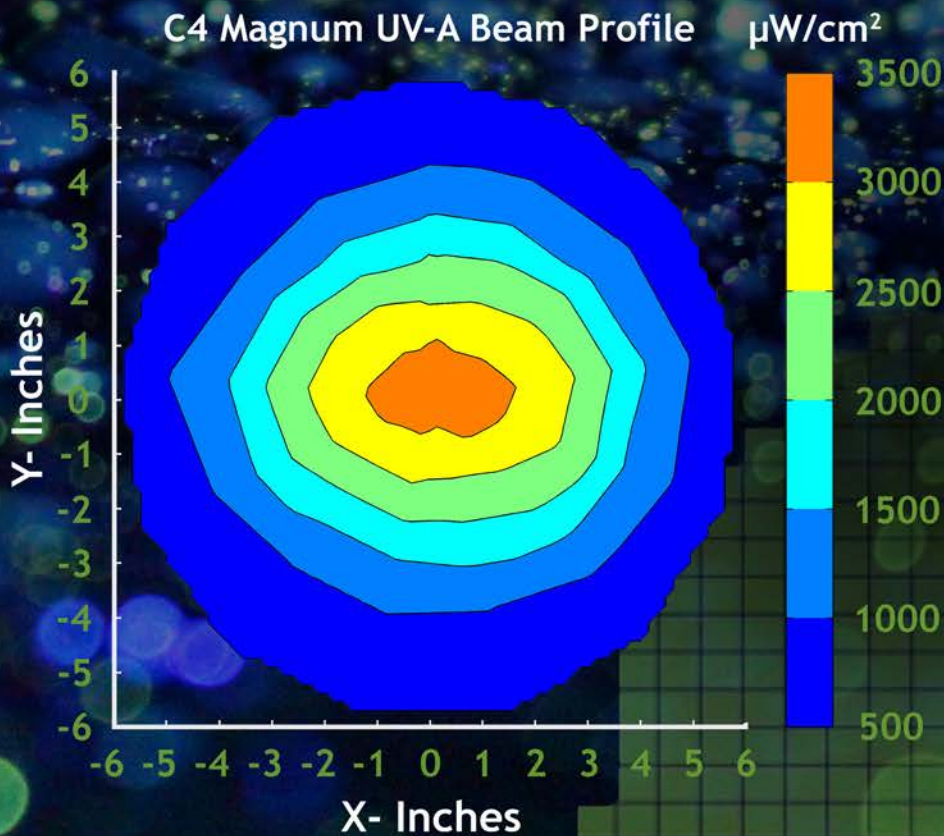
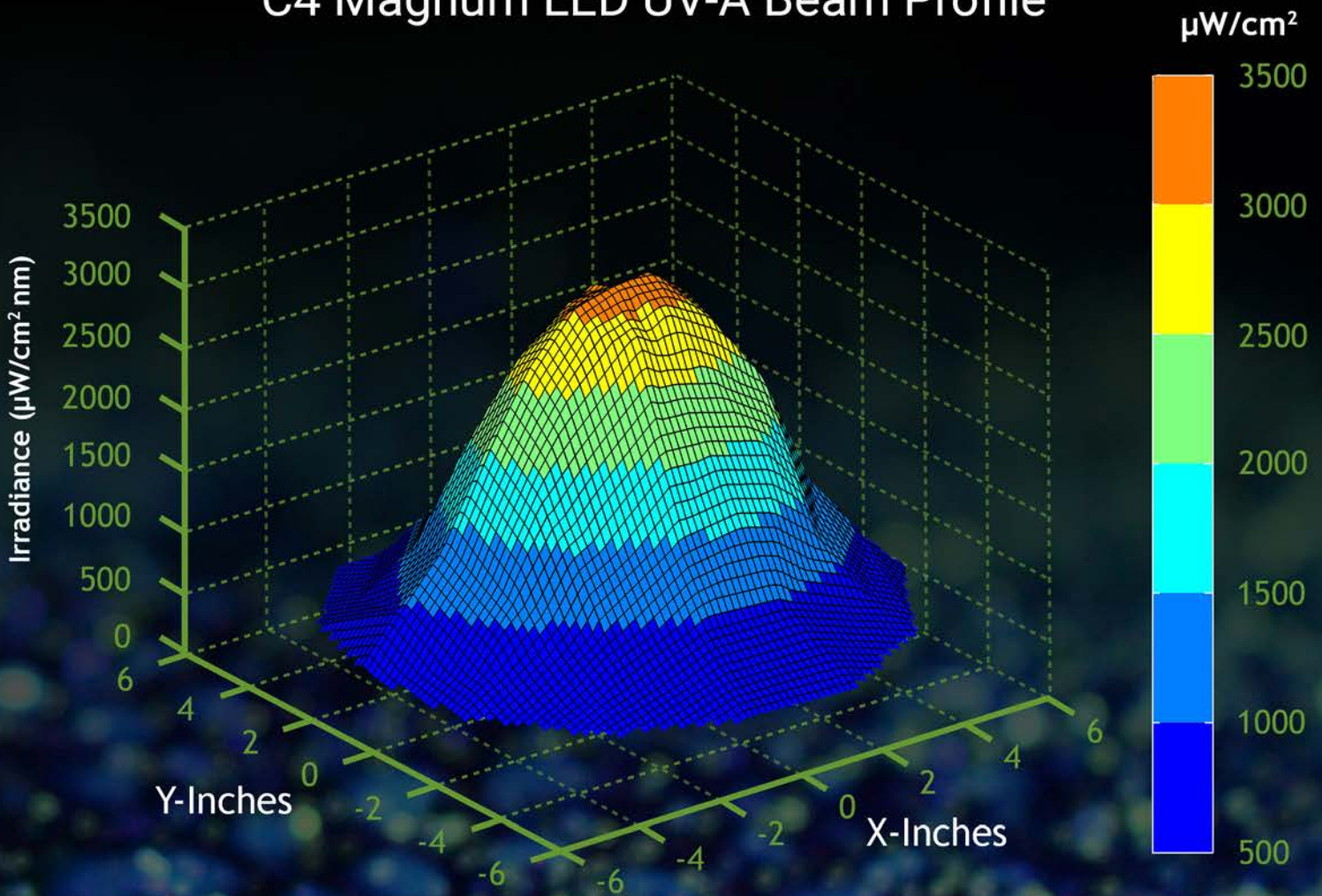
<i>Performance Attributes</i>	<i>Parameters</i>
Maximum Irradiance (at 15 in/38cm)	5000 $\mu\text{W}/\text{cm}^2$
Peak Wavelength	365 \pm 5 nm
Irradiance at Peak Wavelength (at 15 in)	> 200 $\mu\text{W}/\text{cm}^2$
Typical Irradiated Area (profile at 15 in)	Circular Spot 9" Diameter > 1000 $\mu\text{W}/\text{cm}^2$ (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
Physical Attributes	
Operating Environment	32 - 120° F
Maximum Housing Temperature (at 70° F ambient)	116° F
Lamp Cord Length	10 ft
Power Supply Cord Length	6 ft
Weight	1.8 lb
Power in	90-264 VAC / 47 ~ 63Hz < 0.6A
Specification Compliance	ASTM E3022
	RRES 90061

**9" diameter spot size @ 15"
w/ irradiance > 1000 $\mu\text{W}/\text{cm}^2$**



LED Output Profile at 15 Inches

C4 Magnum LED UV-A Beam Profile





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



The REL C4 Magnum Glo-Black LED UV-A inspection light utilizes the latest in safe high output LED technology. This ergonomically designed LED UV-A inspection light is a highly maneuverable, lightweight solution that maximizes operator safety and efficiency.

The C4 Magnum is designed for all intensity requirements of Fluorescent Penetrant Inspection (FPI) and Magnetic Particle Inspection (MPI). The C4 Magnum 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 C4 Magnum limits the visible light to 20 lux (1.86 foot-candles) at 15 inches and 5 lux (0.47 foot-candles) at 36 inches. REL's C4 Magnum Inspection lights contain high flux-UV LED emitters with built-in static-electric discharge circuits. 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. The C4 Magnum LED UV-A Glo-Black light will survive the toughest, wettest, and most severe work environments on the planet!

Kit includes:

- C4 Magnum Glo-Black LED UV-A light
- 120V plug-in wall adapter
- Rugged watertight case
- Power cords
- Safety glasses



C4 Magnum 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
- Tested to work as hard as you do
- Refurbishable

Directions for use:

1. Remove from impact resistant carrying case.
2. Drop
3. Kick
4. Use

*Note: Steps 2-4 can be performed in any order!

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