



C4 Magnum LED UV LIGHT

A LED light that works as hard as you do!

Tested to comply with both

ASTM

E3022

Standard

Rolls-Royce

RRES 90061

Requirements

1-Year Warranty



RCON NDT

Nondestructive Testing Sales, Service & Consulting



C4 Magnum LED

UV-A LED Light Characteristics

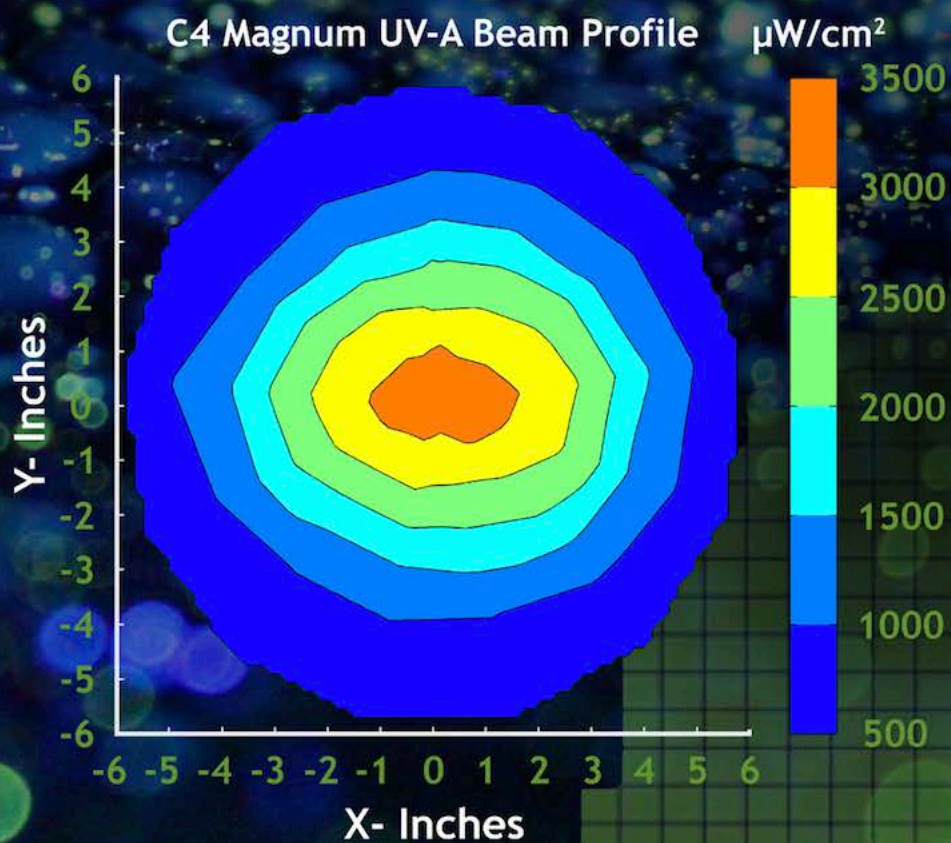
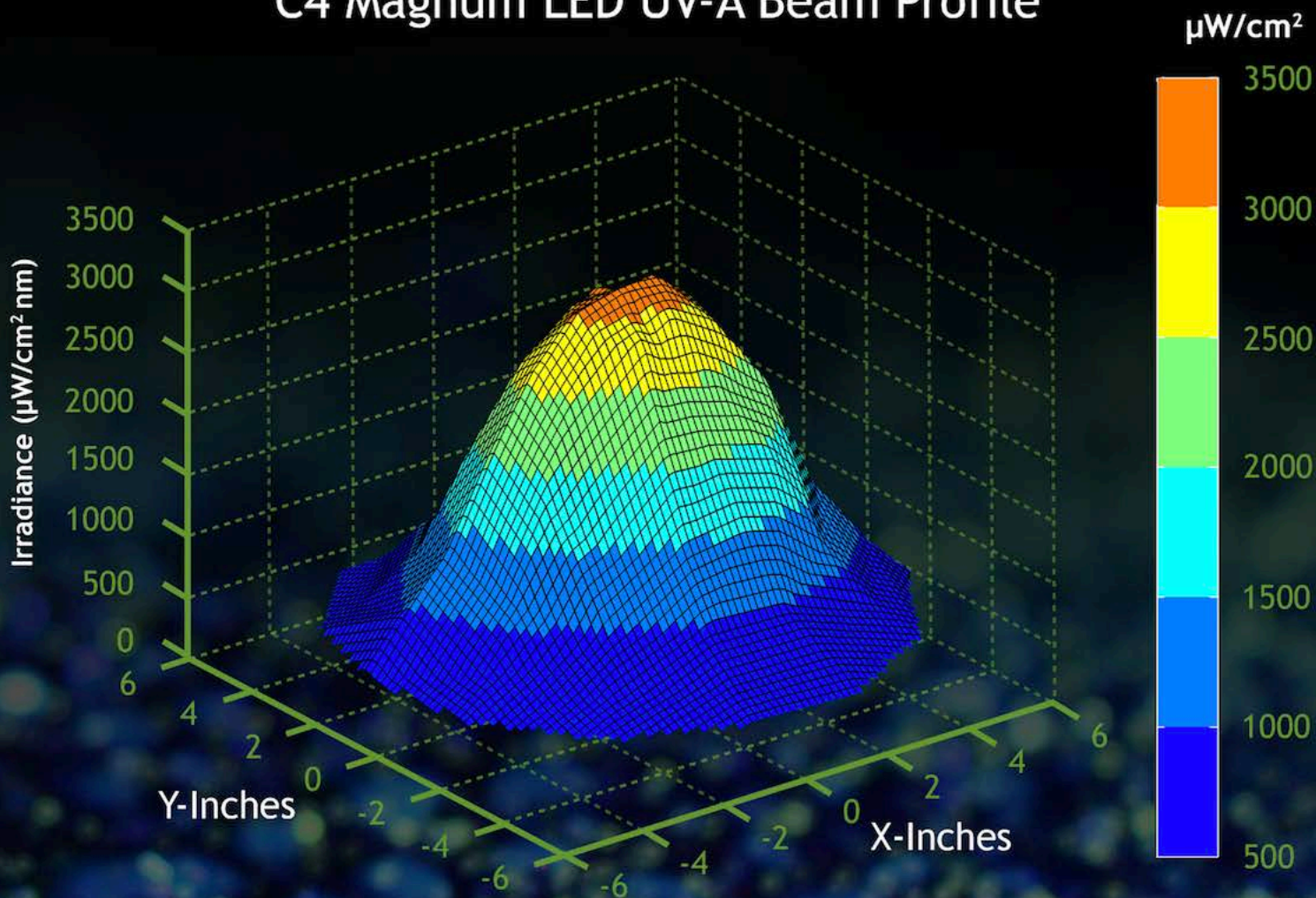
<i>Performance Attributes</i>	<i>Parameters</i>
Maximum Irradiance (at 15 in/38cm)	5000 $\mu\text{W}/\text{cm}^2$
Peak Wavelength	365 \pm 5 nm
Irradiance at Peak Wavelength (at 15 in)	> 200 $\mu\text{W}/\text{cm}^2$
Typical Irradiated Area (profile at 15 in)	Circular Spot 9" Diameter > 1000 $\mu\text{W}/\text{cm}^2$ (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
<i>Physical Attributes</i>	<i>Parameters</i>
Operating Environment	32 - 120° F
Maximum Housing Temperature (at 70° F ambient)	122° F
Lamp Cord Length	10 ft
Power Supply Cord Length	6 ft
Weight	1.7 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 Model C4 Magnum GLO-Black LED UV Inspection light utilizes the latest in safe high output UV-A LED technology. This black light is a highly maneuverable lightweight solution that maximizes operator safety and time on task. The C4 Magnum contains 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 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 at 15 inches and 5 lux at 36 inches. The C4 Magnum light is sealed and cooled with an engineered finned housing. It is manufactured from a military grade aluminum alloy. The C4 Magnum GLO-Black light will survive the toughest, wettest, and most severe work environments on the planet!

Kit includes:

- C4 Magnum Glo-Black LED UV 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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