



**American. Brilliance.**

**C4 Magnum-GO LED  
UV-A and White Light**

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



**relinc.net**

# C4 Magnum-GO LED

## UV-A LED Light Characteristics

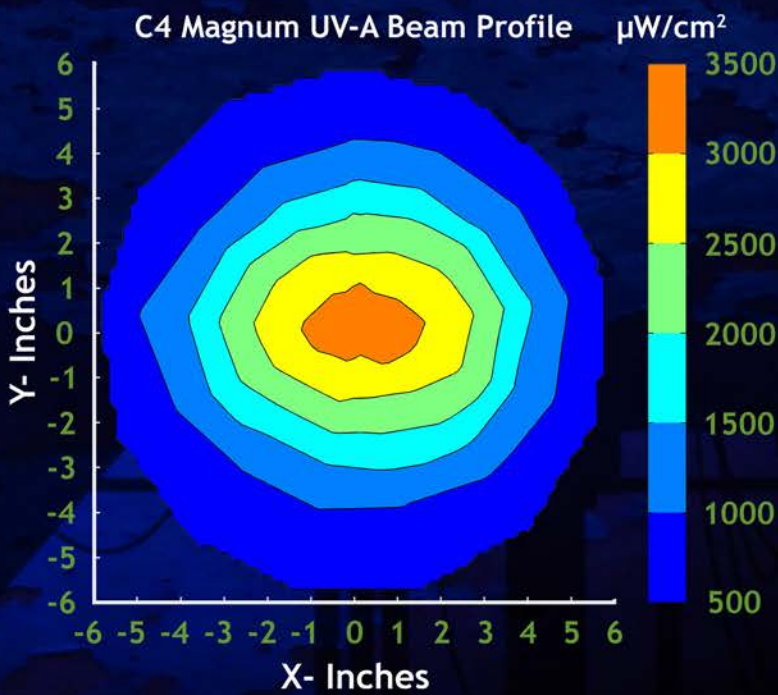
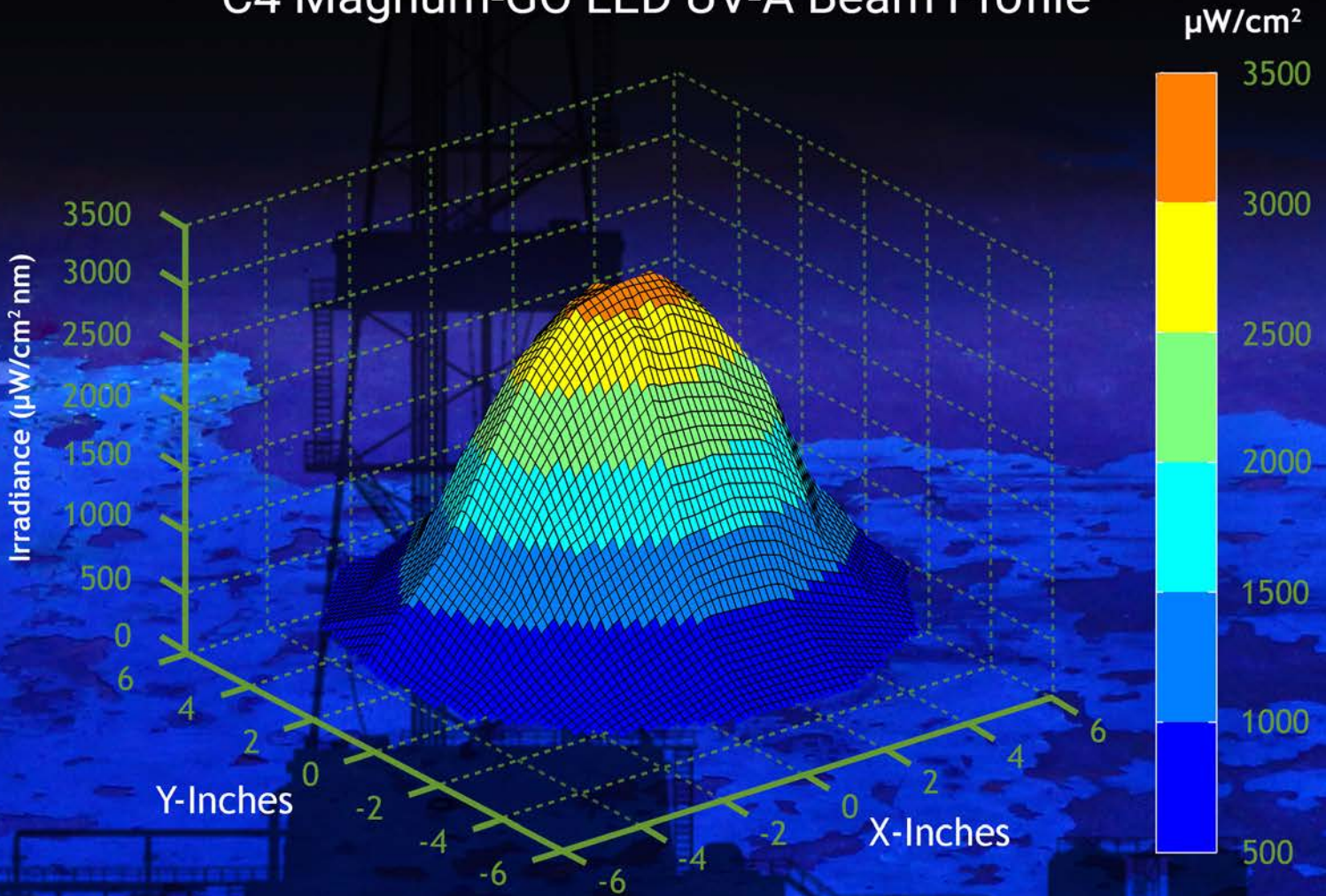
<i>Performance Attributes</i>	<i>Parameters</i>
Maximum Irradiance (at 15 in/38cm)	5000 $\mu\text{W}/\text{cm}^2$
Peak Wavelength	365 $\pm$ 5 nm
Irradiance at Peak Wavelength (at 15 in)	> 200 $\mu\text{W}/\text{cm}^2$
Typical Irradiated Area (profile at 15 in)	Circular Spot 9" Diameter > 1000 $\mu\text{W}/\text{cm}^2$ (347-382nm)
<b>Emission Spectrum</b>	
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
<b>Working Distances</b>	
ASTM	Minimum WD $\leq$ 5 in
RRES 90061	Minimum WD = 15 in
	Maximum WD = 36 in
<b>Typical Visible Emission</b>	
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
<b>Physical Attributes</b>	<b>Parameters</b>
Operating Environment	32 - 120° F
Maximum Housing Temperature (at 70° F ambient)	116° F
Lamp Cord Length with Power Supply	16 ft
with Power Supply	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-GO LED UV-A Beam Profile





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



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

The C4 Magnum-GO is designed for all intensity requirements of Fluorescent Penetrant Inspection (FPI) and Magnetic Particle Inspection (MPI). REL's C4 Magnum-GO inspection lights contain high flux UV-A and white light LED emitters with built-in static-electric discharge circuits. The C4 Magnum-GO provides a 9-inch diameter of UV-A intensity  $> 1000 \mu\text{W}/\text{cm}^2$  at 15 inches. The integral filter in the UV-A emitter limits the visible light to 20 lux (1.86 foot-candles) at 15 inches and 5 lux (0.47 foot-candles) at 36 inches. The LED white light provides an intensity  $> 700$  foot-candles at 15 inches. The light's electrical components are sealed and passively cooled within an engineered finned housing manufactured from military grade aluminum. The light performs in all environments regardless of ambient conditions. The C4 Magnum-GO LED UV-A with white light will survive the toughest, wettest, and most severe work environments on the planet!

#### Kit includes:

- C4 Magnum-GO
- 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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Weight: 1.7 lb.

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