



American. Brilliance.

C4 Magnum-GO
LED UV-A & White Lamps

Tested to comply with both

ASTM
E3022
Standard

Rolls-Royce
RRES 90061
Requirements



C4 Magnum-GO

LED UV-A Lamp Characteristics

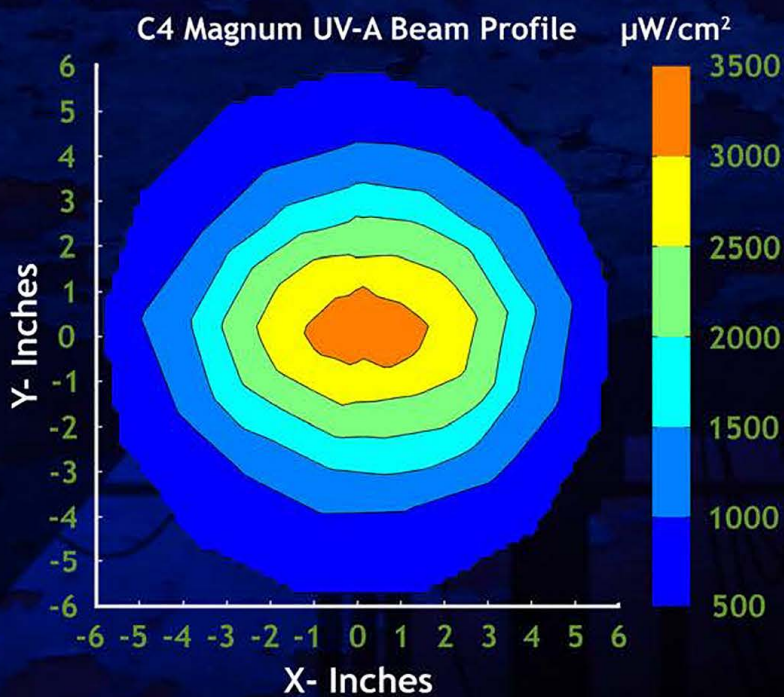
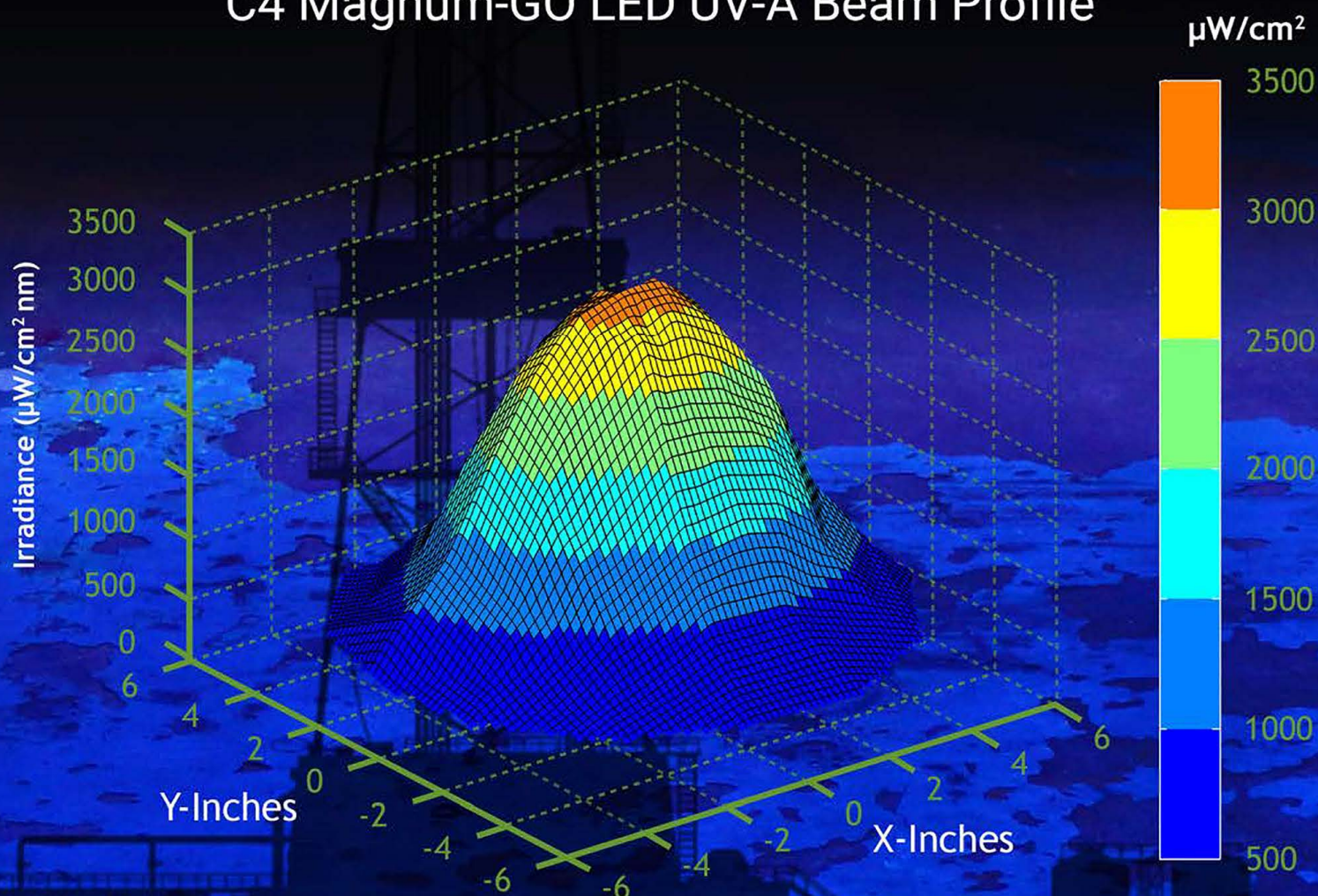
<i>Performance Attributes</i>	<i>Parameters</i>
Maximum Irradiance (at 15 in/38cm)	5000 $\mu\text{W}/\text{cm}^2$
Peak Wavelength	365 \pm 5 nm
Irradiance at Peak Wavelength (at 15 in)	> 200 $\mu\text{W}/\text{cm}^2$
Typical Irradiated Area (profile at 15 in)	Circular Spot 9" Diameter > 1000 $\mu\text{W}/\text{cm}^2$ (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 E3022	Minimum WD \leq 5 in
RRES 90061	Minimum WD = 15 in
	Maximum WD = 36 in
Typical Visible Emission	
ASTM E3022 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)	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 $\mu\text{W}/\text{cm}^2$

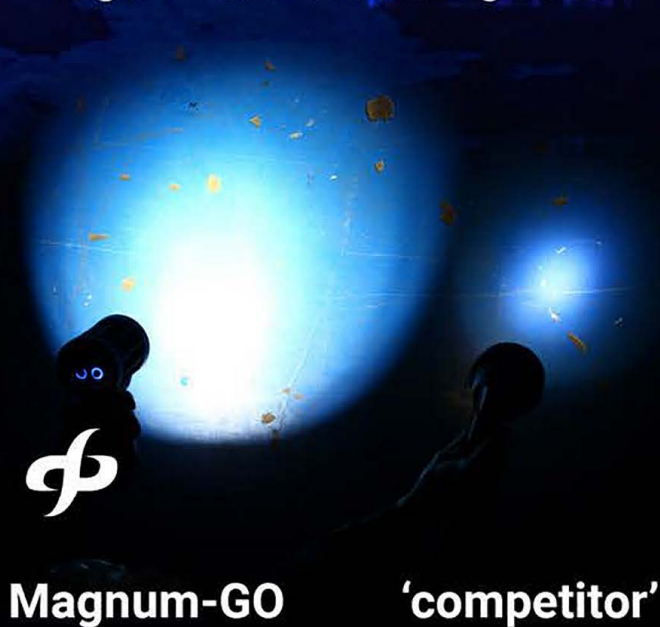


LED Output Profile at 15 Inches

C4 Magnum-GO LED UV-A Beam Profile



Magnum-GO LED White Light Profile





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



REL's Glo-Black C4 Magnum-GO integrates both UV-A and White LED emitters. The Magnum-GO utilizes the latest in safe high output LED technology. This ergonomically designed inspection lamp 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 Lamps contain high flux UV-A and White Lamp LED emitters with built-in static-electric discharge circuits. The C4 Magnum-GO provides a 9-inch diameter of UV-A intensity greater than $1000 \mu\text{W}/\text{cm}^2$ 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 less than 5 lux (0.47 foot-candles) at 36 inches. The LED White Lamp provides an intensity greater than 700 foot-candles at 15 inches. The lamp's electrical components are sealed and passively cooled within an engineered finned housing manufactured from military grade aluminum. The lamp performs in all environments regardless of ambient conditions. The C4 Magnum-GO will survive the toughest, wettest, and most severe work environments on the planet!

Kit includes:

- Glo-Black C4 Magnum-GO
- 120V plug-in wall adapter
- Rugged watertight case
- Power cord
- Safety glasses

C4 Magnum-GO LED attributes:

- Serialized Certificate of Conformance
- 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
- IP-67 Rated

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!



Weight: 1.7 lb.

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