



## **C4 Nomad Glo-Black LED UV-A LIGHT**

***American. Brilliance.***

Tested to comply with both

ASTM  
E3022  
Standard

Rolls-Royce  
RRES 90061  
Requirements

***1-Year Warranty***

DISTRIBUÉ PAR / DISTRIBUTED BY:



QUALITY NDE LTD

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# C4 Nomad LED

## UV-A LED Light Characteristics

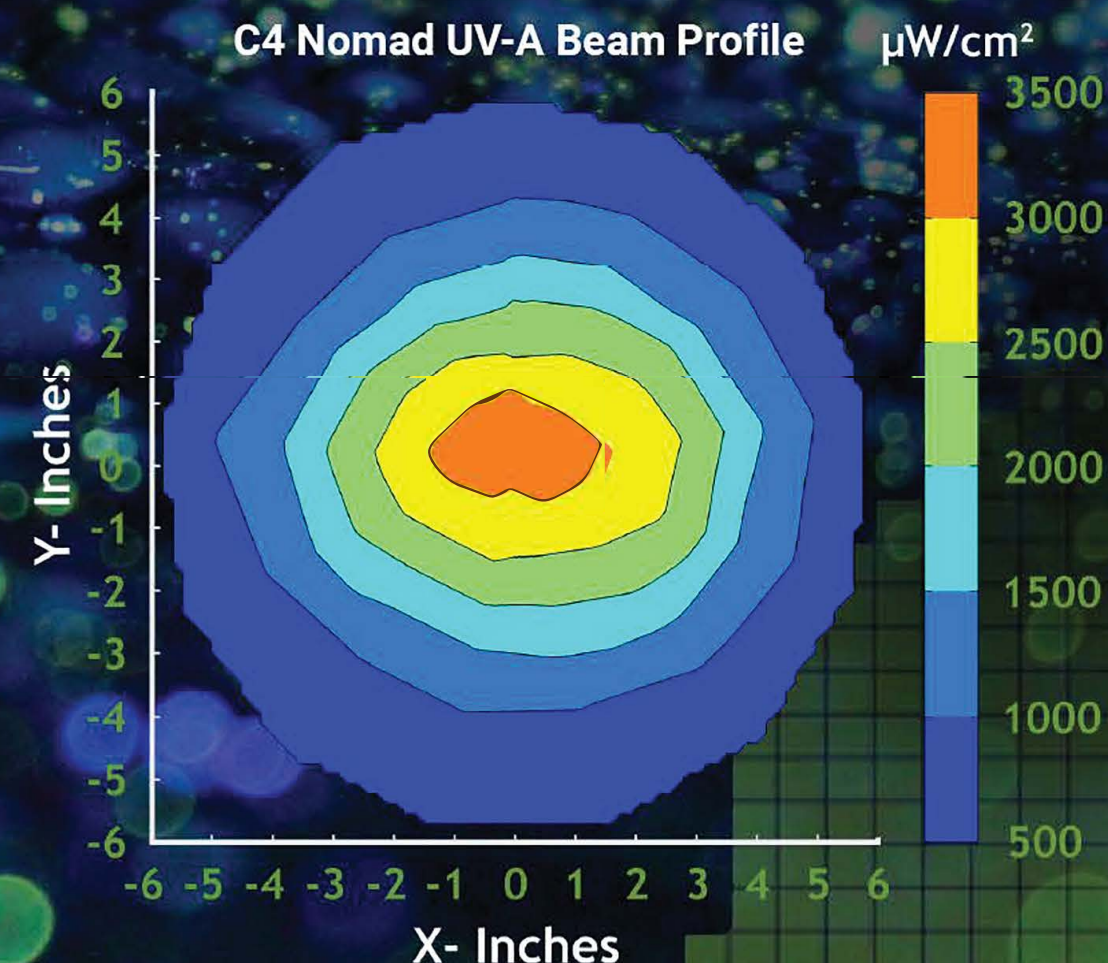
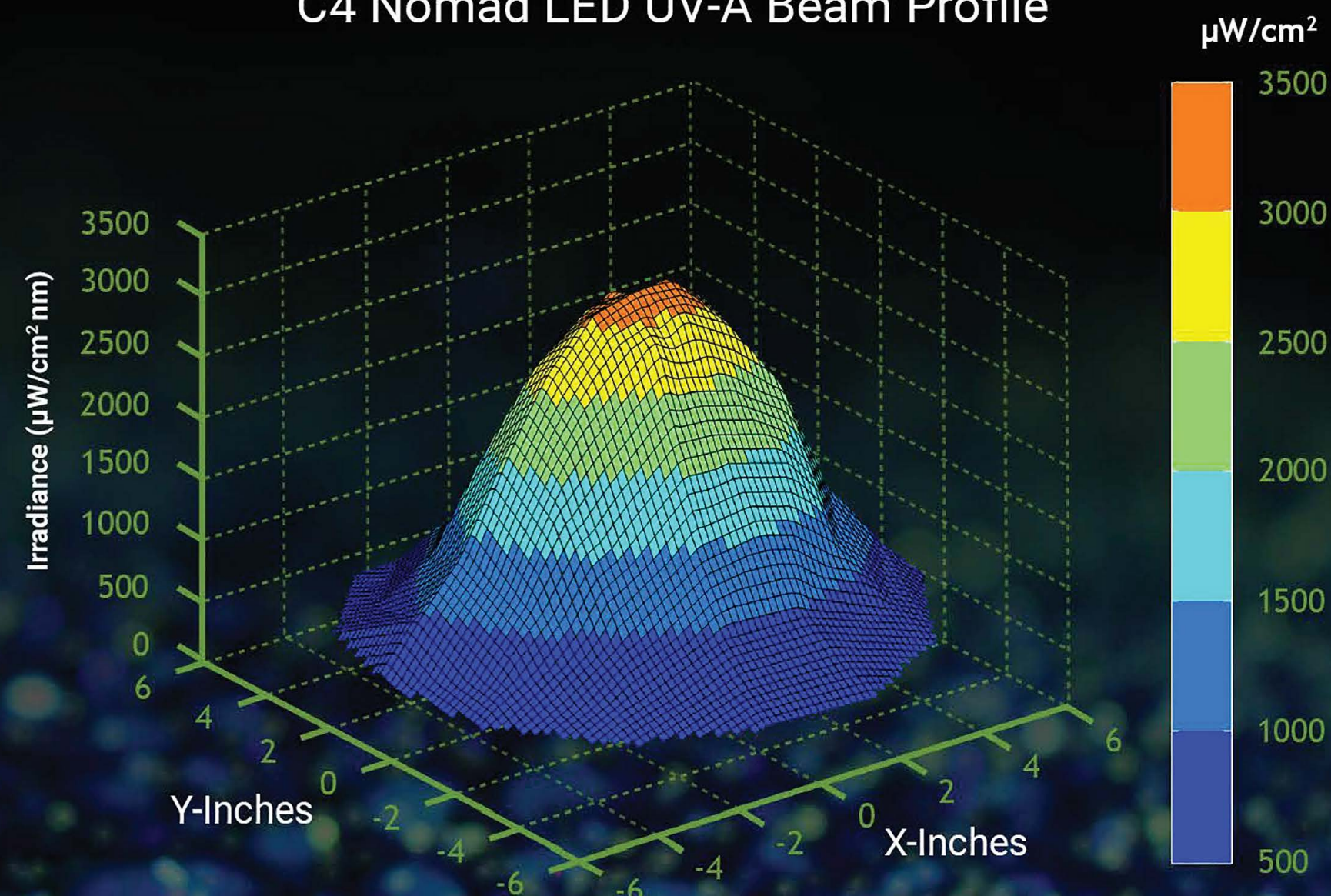
Performance Attributes	Parameters
Maximum Irradiance (at 15 in/38cm)	5000 $\mu\text{W}/\text{cm}^2$
Peak Wavelength	365 $\pm$ 5 nm
Irradiance at Peak Wavelength (at 15 in)	> 200 $\mu\text{W}/\text{cm}^2$
Typical Irradiated Area (profile at 15 in)	Circular Spot 9" Diameter > 1000 $\mu\text{W}/\text{cm}^2$ (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	Parameters
Operating Environment	32 - 120°F
Maximum Housing Temperature (at 70° F ambient)	116°F
Lamp Cord Length	None
Power Supply	18 V Lithium Ion Battery
Weight	2.8 lb
Approximate run time/per battery	120 minutes
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 Nomad LED UV-A Beam Profile







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



The Glo-Black C4 Nomad is a cordless LED UV-A light that is a lightweight, highly maneuverable solution that allows operator flexibility with an integrated, rechargeable 18V battery. Each Nomad comes with two 1.5 Amp batteries to enable continuous use.

The C4 Nomad is designed for all intensity requirements of Fluorescent Penetrant Inspection (FPI) and Magnetic Particle Inspection (MPI). The C4 Nomad 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 Nomad 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 Nomad Inspection lamp contains a high flux-UV LED emitter with built-in static-electric discharge circuit. 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 the harshest environments.

#### Kit includes:

- C4 Nomad Glo-Black LED UV-A light
- Rugged watertight case
- Two batteries
- 120V charger
- Safety glasses

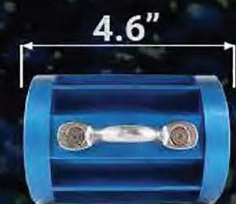
#### C4 Nomad LED attributes:

- Certificate of Conformance and a serialized validation report
- Tested to comply with Rolls-Royce RRES 90061 Requirements
- Tested to comply with ASTM E3022 Standard
- 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!



Weight: 2.8 lb.

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