



**C4 Nomad LED UV LIGHT**  
*A LED light that goes everywhere you go!*

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

**1-Year Warranty**



# C4 Nomad LED

## UV-A LED Light Characteristics

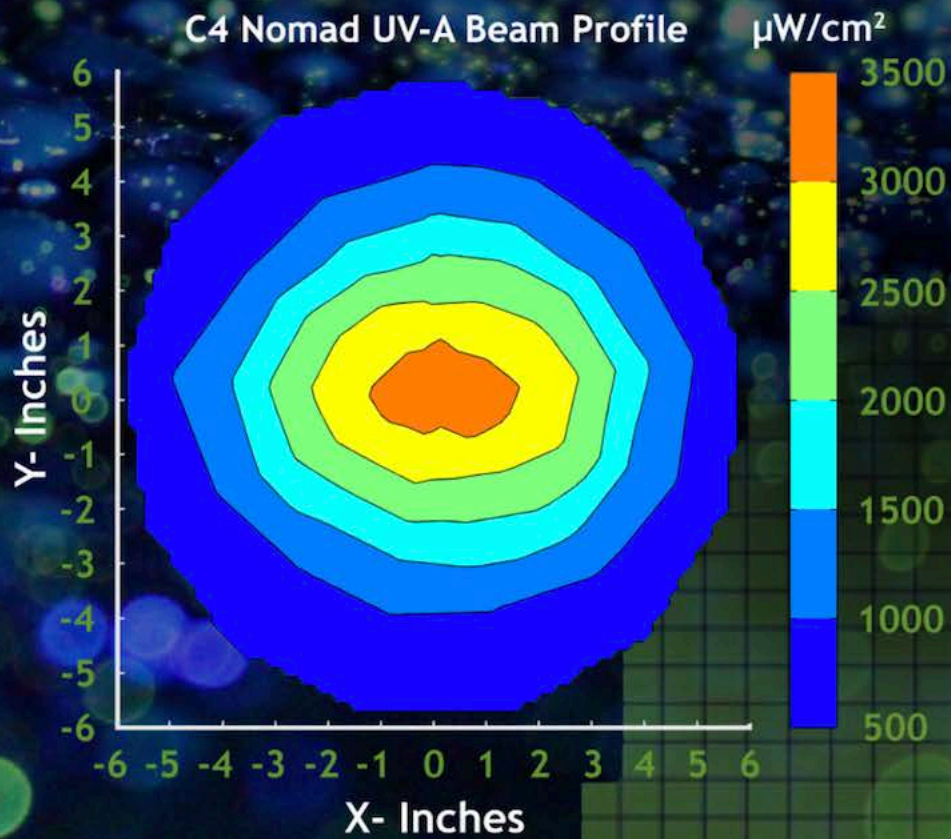
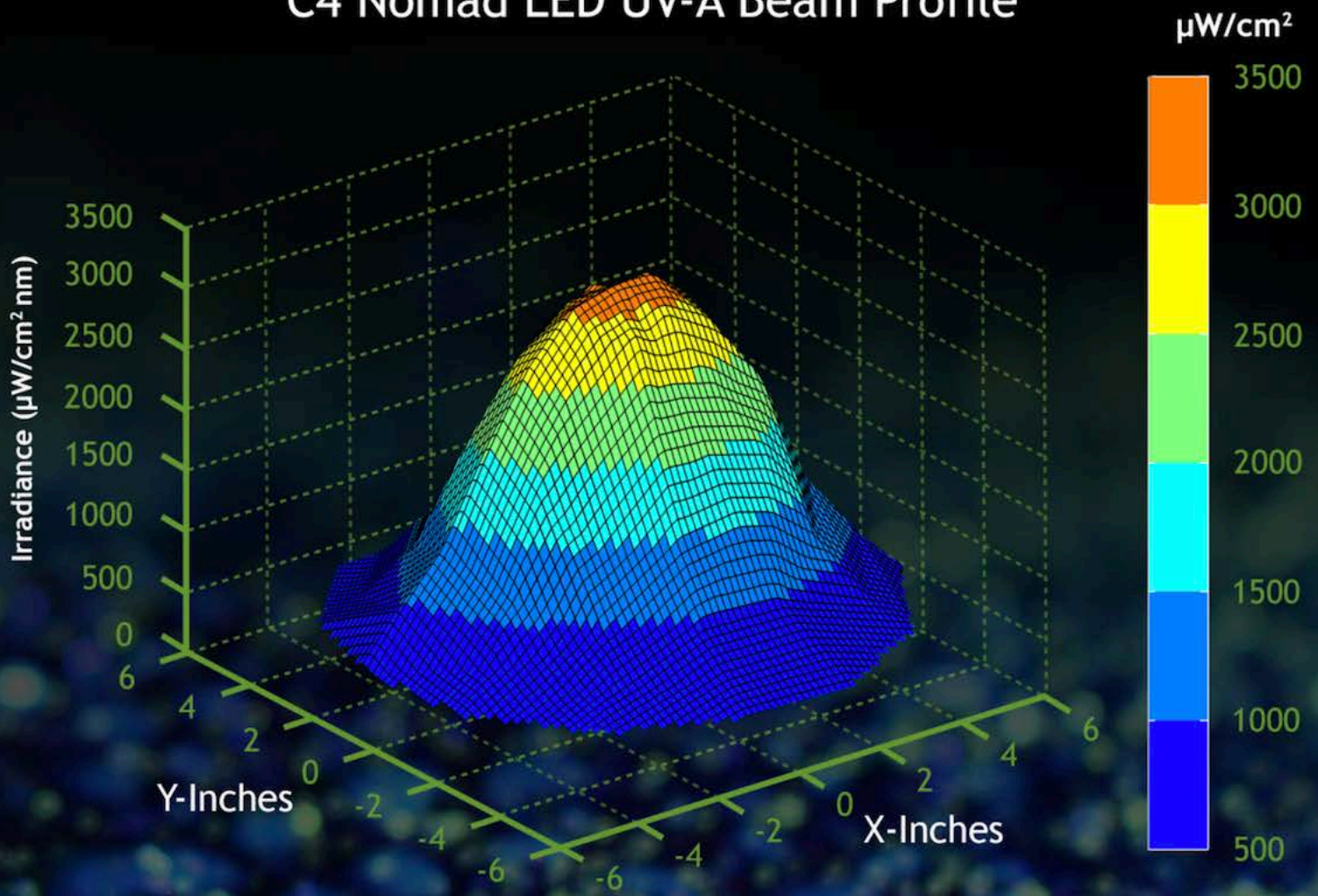
<i>Performance Attributes</i>	<i>Parameters</i>
Maximum Irradiance (at 15 in/38cm)	5000 $\mu\text{W}/\text{cm}^2$
Peak Wavelength	365 $\pm$ 5 nm
Irradiance at Peak Wavelength (at 15 in)	> 200 $\mu\text{W}/\text{cm}^2$
Typical Irradiated Area (profile at 15 in)	Circular Spot 9" Diameter > 1000 $\mu\text{W}/\text{cm}^2$ (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)	122° F
Lamp Cord Length	None
Power Supply	18 V Lithium Ion Battery
Weight	2.8 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 Nomad LED UV-A Beam Profile





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



The REL Model C4 Nomad 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 Nomad 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 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 at 15 inches and 5 lux at 36 inches. The C4 Nomad light is sealed and cooled with an engineered finned housing. It is manufactured from a military grade aluminum alloy. The C4 Nomad GLO-Black light will survive the toughest, wettest, and most severe work environments on the planet!

#### Kit includes:

- C4 Nomad LED UV light
- Rugged watertight case
- Two batteries
- 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
- 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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