



**American. Brilliance.**

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

**RCON NDT**  
Nondestructive Testing Sales, Service & Consulting

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

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# C4 Nomad-GO 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

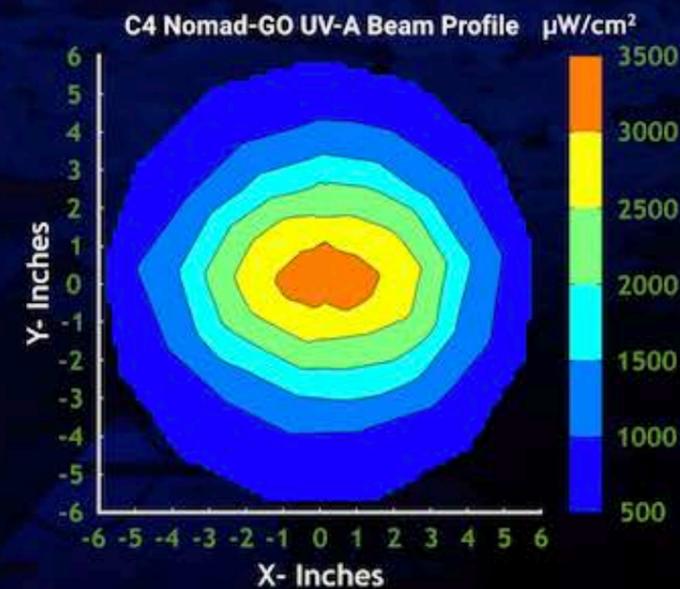
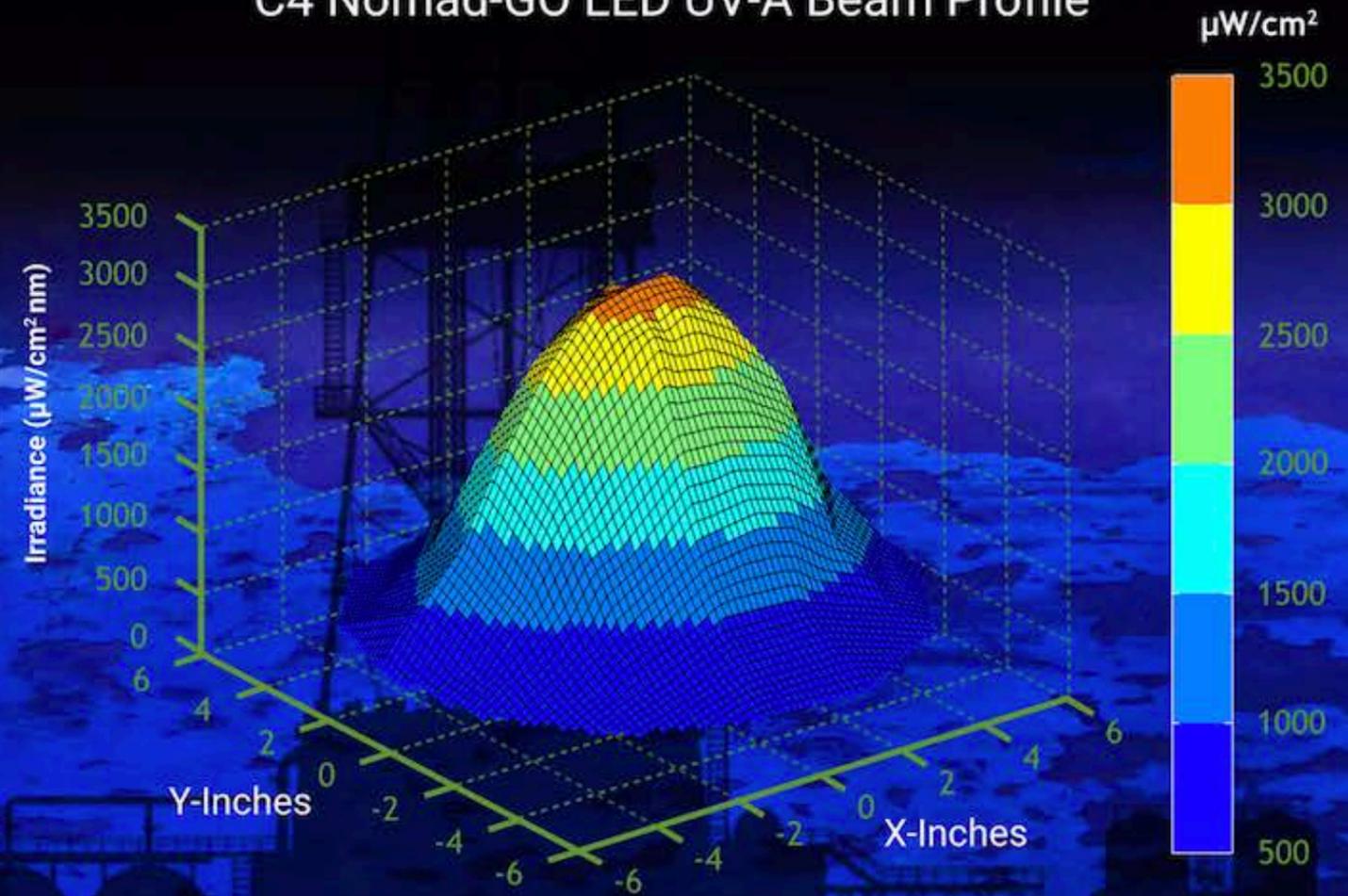
Physical Attributes	Parameters
Operating Environment	32 - 120° F
Maximum Housing Temperature (at 70° F ambient)	116° F
Lamp Cord Length	None
Power Supply	18 V Lithium Ion Battery
Weight	2.7 lb
Approximate run time/per battery	120 minutes
Specification Compliance	ASTM E3022 RRES 90061

9" diameter spot size @ 15"  
w/ irradiance > 1000  $\mu\text{W}/\text{cm}^2$



## LED Output Profile at 15 Inches

### C4 Nomad-GO LED UV-A Beam Profile



### Nomad-GO LED White Light Profile



Nomad-GO

'competitor'



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



The REL LED C4 Nomad-GO integrates both UV-A and white light emitters. The cordless Nomad-GO provides a highly maneuverable lightweight solution that allows operator flexibility with a rechargeable 18V battery. The Nomad-GO includes two 1.5 Amp batteries to enable continuous use in either UV-A or white light.

The C4 Nomad-GO is designed for all intensity requirements of Fluorescent Penetrant Inspection (FPI) and Magnetic Particle Inspection (MPI). REL's C4 Nomad-GO inspection lamp contains high flux LED UV-A and white light emitters with built-in static-electric discharge circuit. The C4 Nomad-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. This allows the light to perform in the harshest environments.

#### Kit includes:

- C4 Nomad-GO
- Rugged watertight case
- Two 18V 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: 2.7 lb.



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