American. Brilliance.

C4 Nomad-GO
LED UV-A & White Lamps

Tested to comply with both

ASTM E3022 Standard	Rolls-Royce RRES 90061 Requirements

relinc.net

C4 Nomad-GO
LED UV-A Lamp Characteristics

Performance Attributes	Parameters
Maximum Irradiance (at 15 in/38cm)	5000 µW/cm^2
Peak Wavelength	365 ± 5 nm
Irradiance at Peak Wavelength (at 15 in)	> 200 µW/cm^2
Typical Irradiated Area (profile at 15 in)	Circular Spot 9" Diameter > 1000 µW/cm^2 (347-382nm)
Emission Spectrum	
Full Width at Half Maximum (FWHM)	≤ 15 nm
Longest Wavelength at Half Max (LWHM)	≤ 380 nm
Full width at 10% Maximum	≤ 30 nm
Excitation Irradiance (347-382 nm)	> 2500 µW/cm^2
Wavelength Drift (at 70°F ambiant)	≤ 3 nm
Working Distances	
ASTM E3022	Minimum WD ≤ 5 in
RRES 90061	Minimum WD = 15 in
	Maximum WD = 36 in
Typical Visible Emission	
ASTM E3022 range (400-760 nm)	≤ 2 ft candles
RRES 90061 range (390-800 nm)	≤ 20 lux at 15 in
	≤ 5 lux at 36 in

Physical Attributes	Parameters
Operating Environment	32 - 120°F
Maximum Housing Temerature (at 70° F ambient)	116°F
Lamp Cord Length	None
Power Supply	18 V Lithium Ion Battery
Weight	3.12 lb
Approximate run time/per battery	150 minutes
Specification Compliance	ASTM E3022
	RRES 90061

9" diameter spot size @ 15"
w/ irradiance > 1000 µW/cm^2

LED Output Profile at 15 Inches
C4 Nomad-GO LED UV-A Beam Profile

μW/cm²

Irradiance (μW/cm² nm)

Y-Inches

X-Inches

C4 Nomad-GO UV-A Beam Profile   μW/cm²

Y- Inches

X- Inches
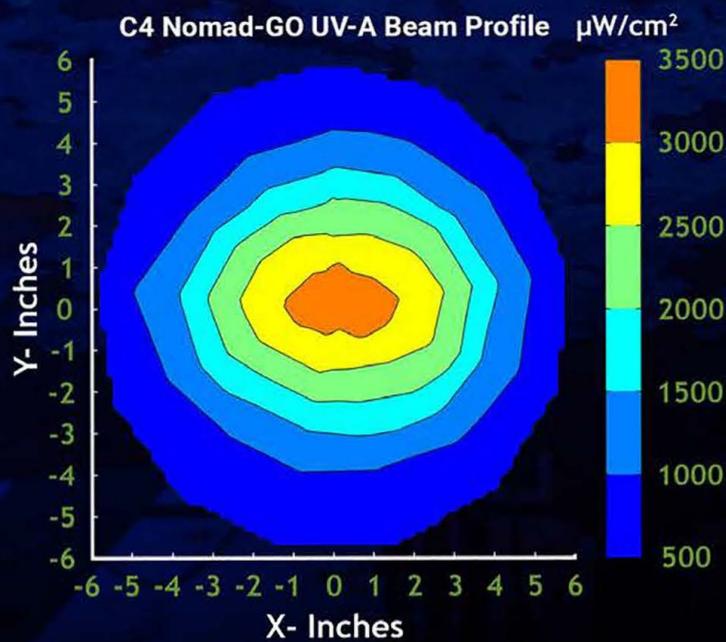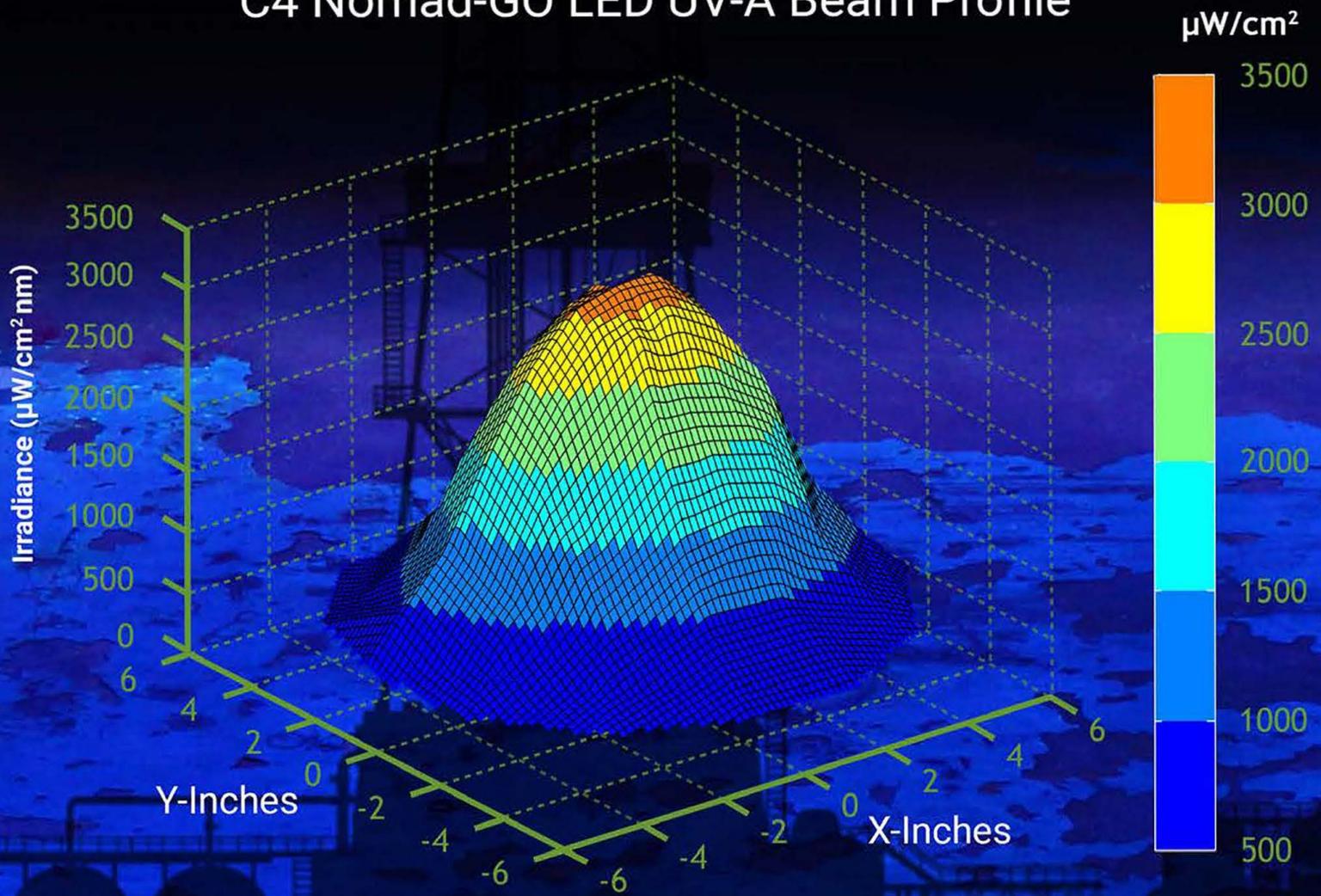
Nomad-GO LED White Light Profile

Nomad-GO   'competitor'

REL's C4 Nomad-GO integrates both UV-A and White LED emitters. The cordless Nomad-GO provides a highly maneuverable lightweight solution that allows operator flexibility with rechargeable COTS batteries. The Nomad-GO includes two 18V, 2-Amp Hour lithium ion batteries to enable continuous use.

The C4 Nomad-GO is designed for Fluorescent Penetrant Inspection (FPI) and Magnetic Particle Inspection (MPI). REL's C4 Nomad-GO Inspection Lamp contains high flux UV-A and White LED emitters with built-in static-electric discharge circuits. The C4 Nomad-GO provides a 9-inch diameter of UV-A wavelengthemission with an intensity greater than 1000 µW/cm2 at 15 inches. The UV-A Lamp integral filter limits the visible light to less than 20 lux (1.86 foot-candles) at 15 inches and less than 5 lux (0.47 foot-candles) at 36 inches. The White LED emitter provides more 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 will perform in the harshest environments.

Kit includes:
- Glo-Black C4 Nomad-GO LED UV-A Lamp
- Rugged watertight case
- Two 18V, 2-Amp Hour batteries
- 120V charger
- Safety glasses

POWERED BY M18 REDLITHIUM

C4 Nomad-GO LED attributes:
- Serialized Certificate of Conformance
- 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!

4.0"

4.6"

9.98"

Weight: 3.12 lb.