

INTECH NDE

Inspection Solutions



American. Brilliance.

Glo-Black LED
UV-A Lamps



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Tough.





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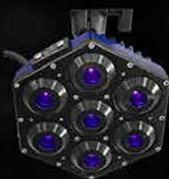
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C4 Magnum LED UV-A Lamp

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



C4 Magnum LED UV-A Lamp

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

UV-2000 Kit includes:

- Glo-Black C4 Magnum LED UV-A Lamp
- 120V plug-in wall adapter (UV-2023)
- Rugged watertight case
- Power cord (UV-2007)
- Safety glasses



C4 Magnum 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
- IP67 Rated

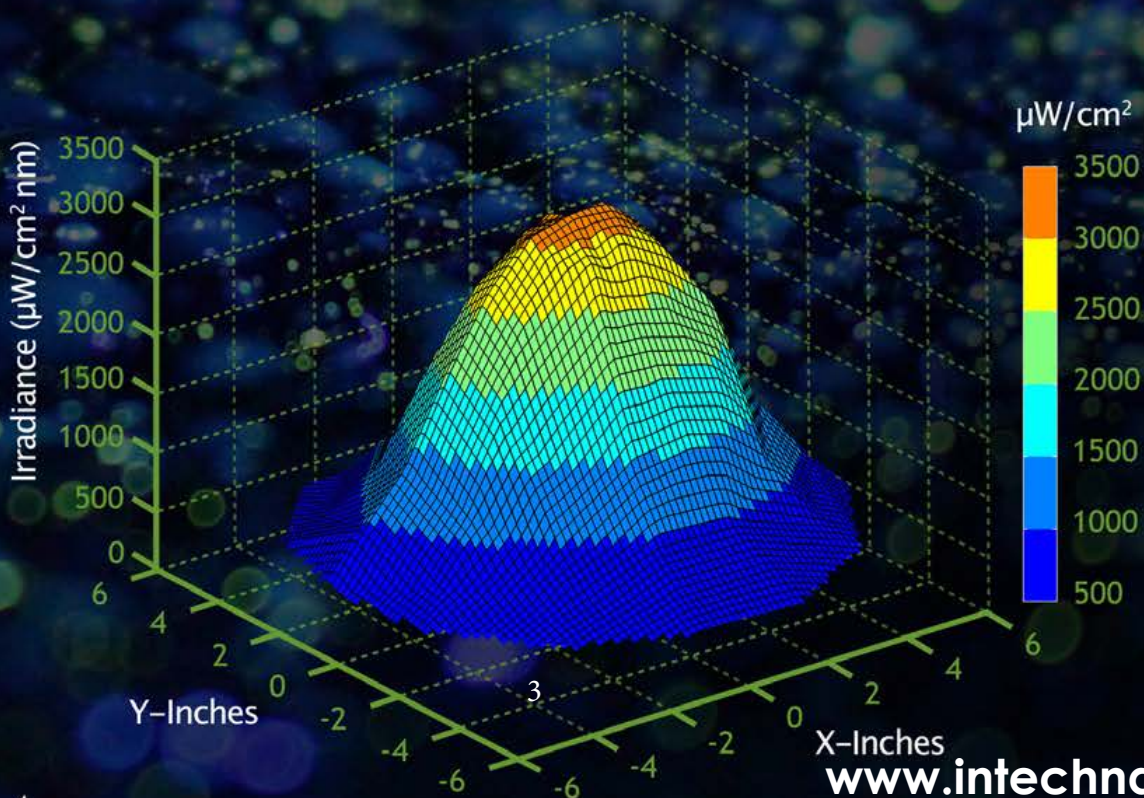
Directions for use:

1. Remove from impact resistant carrying case.
2. Drop
3. Kick
4. Use

*Note: Steps 2-4 can be performed in any order!



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



Packaged Option



Magnum HD

- Dimer
- Cord Support
- Heavy Duty Power Supply

C4 Magnum LED UV-A 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	10 ft (Standard) or 50 ft (Maximum)
Power Supply Cord Length	6 ft
Weight	1.7 lb
Power in	90-264 VAC / 47 ~ 63Hz < 0.6A
Specification Compliance	ASTM E3022
	RRES 90061

Accessories C4 Magnum

Domer
UV-2016

Bench
Adapter
UV-1000

Mounting Arm
UV-1100

Cord
Support
UV-2026

Heavy Duty
Power Supply
UV-8000



Accessories C4 Magnum



Spray Can
Fixture
UV-7000

Dome
UV-2016



AC Adapter
UV-2023

10' DC
Power Cord
UV-2007





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C4 Magnum-GO
LED UV-A Lamp
+ White Light

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



C4 Magnum-GO LED UV-A Lamp

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

UV-3000 Kit includes:

- Glo-Black C4 Magnum-GO
- 120V plug-in wall adapter (UV-2023)
- Rugged watertight case
- Power cord (UV-2007)
- 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:

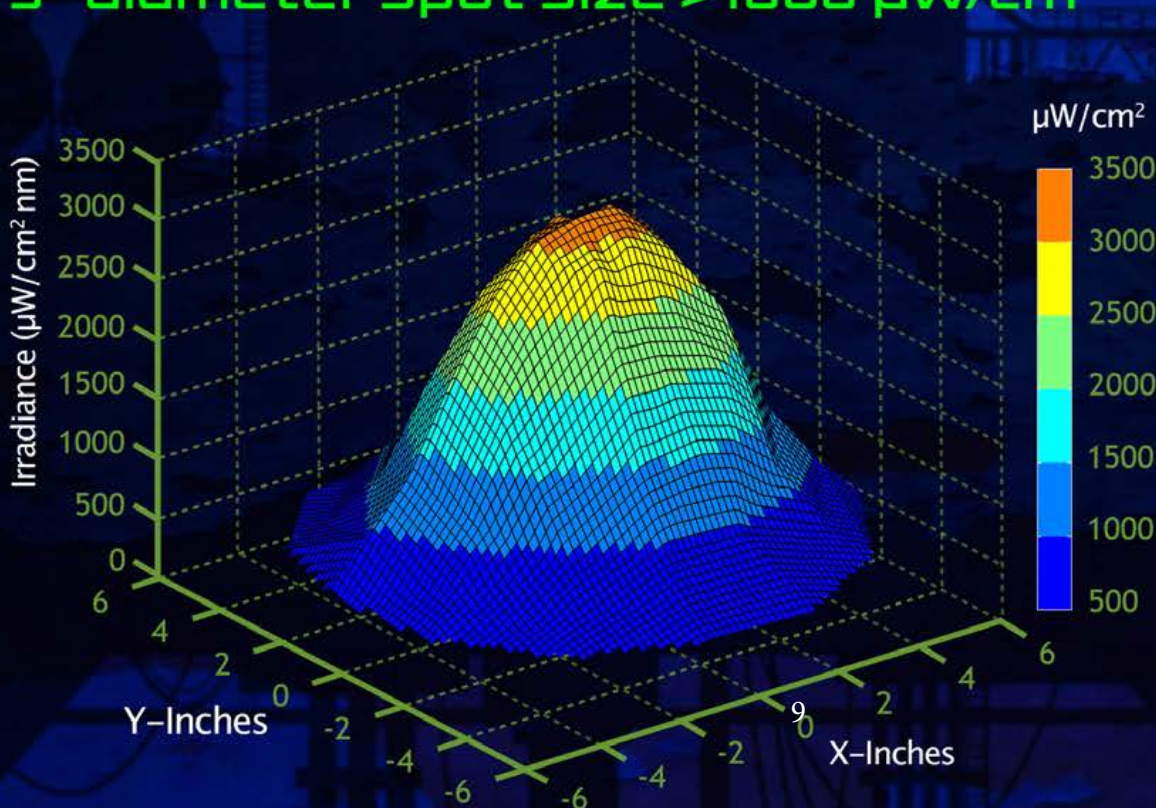
1. Remove from impact resistant carrying case.
2. Drop
3. Kick
4. Use

*Note: Steps 2-4 can be performed in any order!



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

C4 Magnum-GO
LED White Light Profile



High
(White Light Only)



Low
(With Black Light)

C4 Magnum-GO LED UV-A 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	10 ft (Standard) or 50 ft (Maximum)
Power Supply Cord Length	6 ft
Weight	1.7 lb
Power in	90-264 VAC / 47 ~ 63Hz < 0.6A
Specification Compliance	ASTM E3022
	RRES 90061

Packaged Option



Magnum-GO HD

- Dimer
- Cord Support
- Heavy Duty Power Supply

Accessories C4 Magnum-GO



A handheld ultraviolet light device with a blue cylindrical body and a black handle. The front face is black with a central lens and the 'relinc.net' logo. A green arrow points to the front face.

Domer
UV-2016



A black metal adapter with a T-handle and a threaded end for connecting to a power source.

Bench
Adapter
UV-1000



A black metal arm with a T-handle and a mounting bracket at the end.

Mounting Arm
UV-1100



A handheld ultraviolet light device with a blue cylindrical body and a black handle. A black cable is connected to the back of the device.

Cord
Support
UV-2028



A black rectangular power supply unit with a 'relinc.net' logo and technical specifications. It has a cable connected to the back and a power cord with a standard plug.

Heavy Duty
Power Supply
UV-8000

Accessories C4 Magnum-GO



Spray Can
Fixture
UV-7000

Dome
UV-2016



AC Adapter
UV-2023

10' DC
Power Cord
UV-2007





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**C4 Nomad
LED UV-A Lamp**

POWERED BY
M18 REDLITHIUM

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

M18 REDLITHIUM

C4 Nomad LED UV-A Lamp

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

UV-2400 Kit includes:

- Glo-Black C4 Nomad LED UV-A Lamp
- Rugged watertight case
- Two M18 2-Amp hour batteries
- 120V charger
- Safety glasses

C4 Nomad 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

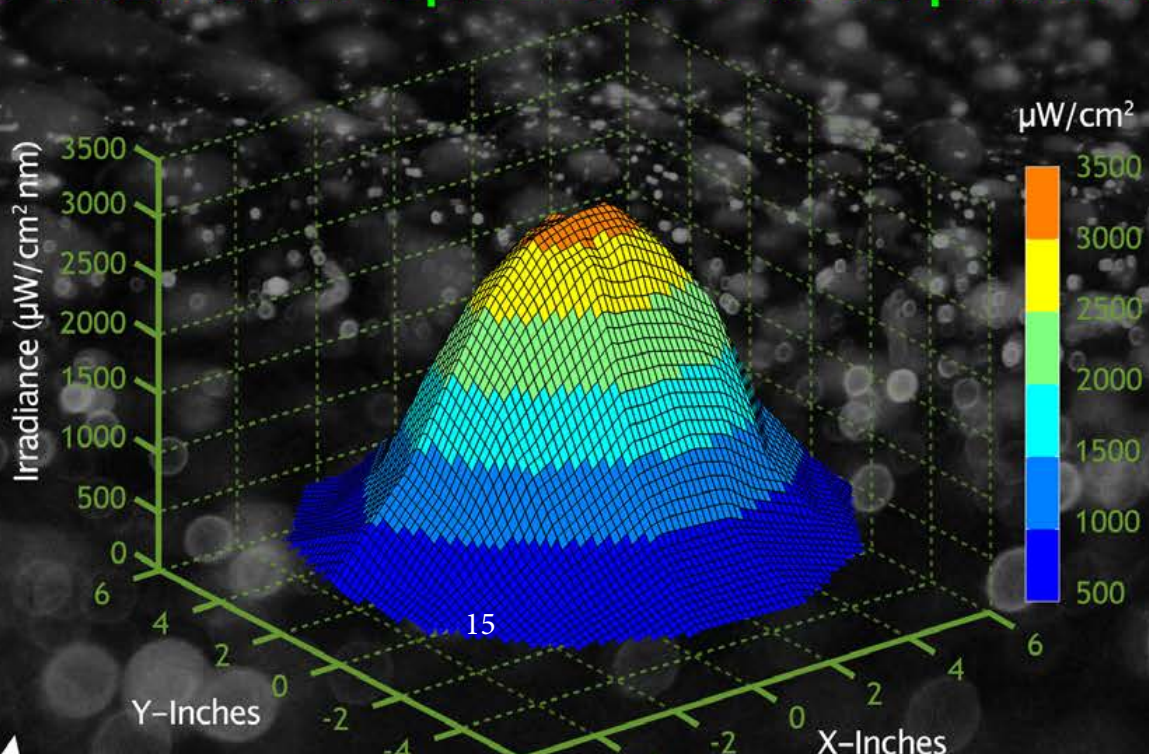
*Note: Steps 2-4 can be performed in any order!



Weight: 3.2 lb.



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



C4 Nomad LED UV-A 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	None
Power Supply	18 V Lithium Ion Battery
Weight	3.2 lb
Approximate run time/per battery	150 minutes
Specification Compliance	ASTM E3022
	RRES 90061

Accessories C4 Nomad

Domer
UV-2016



Mounting Arm
UV-1100



Spray Can
Fixture
UV-7000





Turnkey Automated iFPI Systems

18

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CP-1102





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**C4 Nomad-GO
LED UV-A Lamp
+ White Light**

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

POWERED BY
M18 REDLITHIUM

C4 Nomad-GO LED UV-A Lamp

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

UV-3400 Kit includes:

- Glo-Black C4 Nomad-GO LED UV-A Lamp
- Rugged watertight case
- Two M18 2 Amp-hour batteries
- 120V charger
- Safety glasses

C4 Nomad 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!

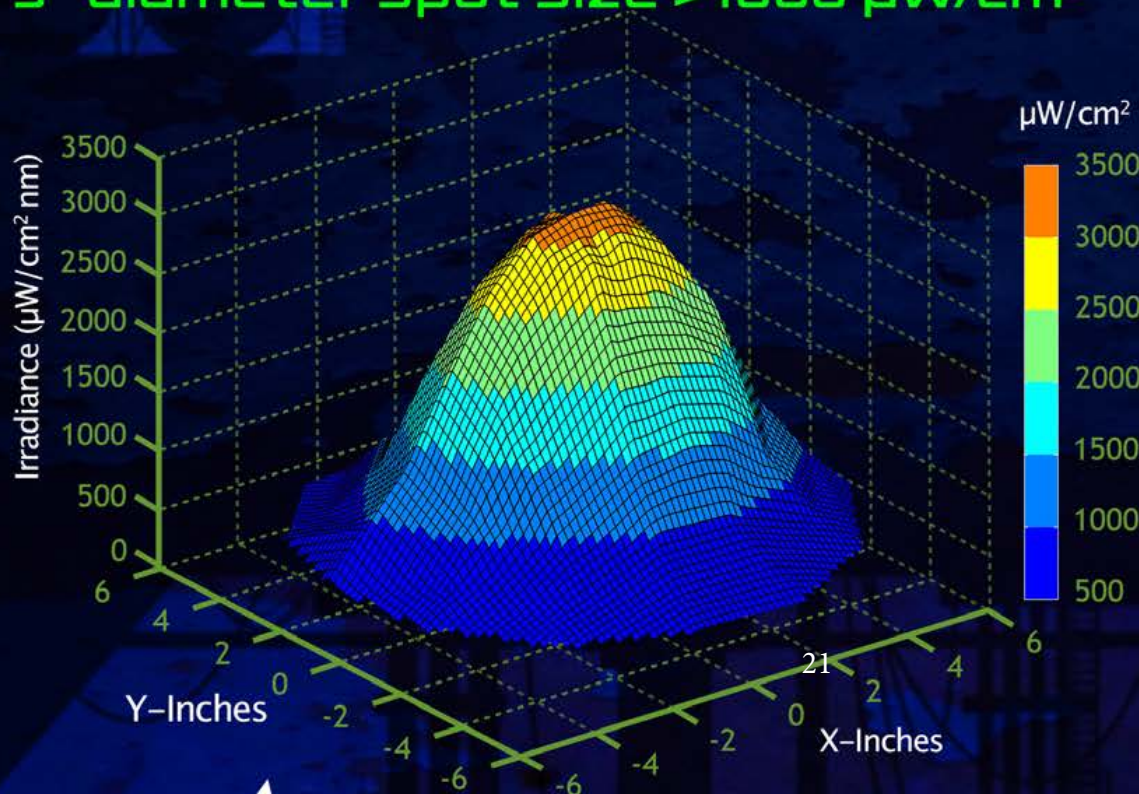
POWERED BY
M18 REDLITHIUM



Weight: 3.2 lb.

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

C4 Nomad-GO
LED White Light Profile



High
(White Light Only)



Low
(With Black Light)

C4 Nomad-GO LED UV-A 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	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

Accessories C4 Nomad-GO

Domer
UV-2016



Mounting Arm
UV-1100



Spray Can
Fixture
UV-7000





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Profusion LED UV-A Lamp

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



Profusion LED UV-A Lamp

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

UV-4000 Kit includes:

- Glo-Black Profusion LED UV-A Lamp
- Power supply (UV-2023)
- Connection cords

Profusion LED UV-A 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
- Customized for your inspection area
- Refurbishable
- IP68 Rated

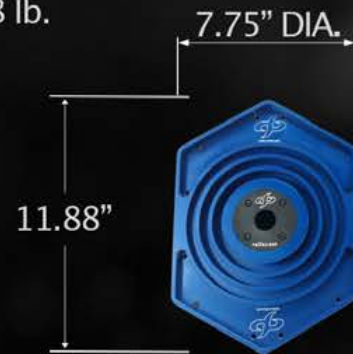
Directions For Use

1. Drop
2. Kick
3. Use

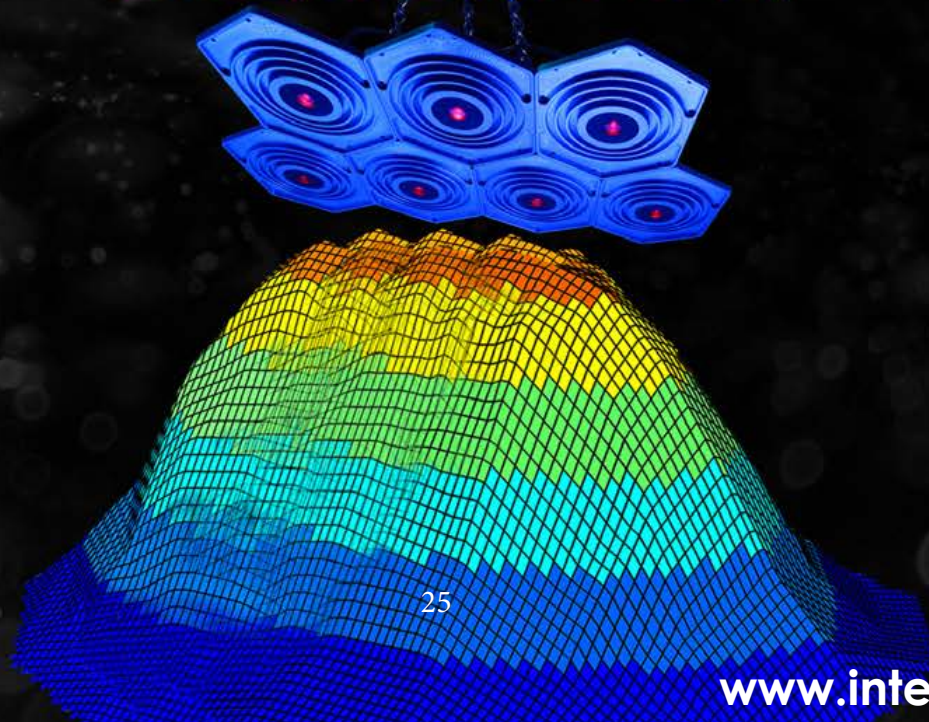
*Note: Steps can be performed in any order!



Weight of 1 Module: 3.08 lb.



Engineered Conformability @ Required Intensity



Profusion Single Module 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)	$\leq$ 377 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 - 115 °F
Maximum Housing Temperature (at 70° F ambient)	104 °F
Lamp Cord Length	Custom
Power Supply	Custom
Weight	3.08 lb
Power in	90-264 VAC / 47 ~ 63Hz < 0.6A
Specification Compliance	ASTM E3022
	RRES 90061

Accessories Profusion



Swivel Mount
UV-4010



Hardware
Hanging Kit
UV-4015

Mounting Arm
UV-1100



Switch Block
UV-A 4200



90W Profusion
Power Supply
UV-2031



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Profusion XW LED UV-A Lamp

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



Profusion XW LED UV-A Lamp

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

Profusion XW Attributes

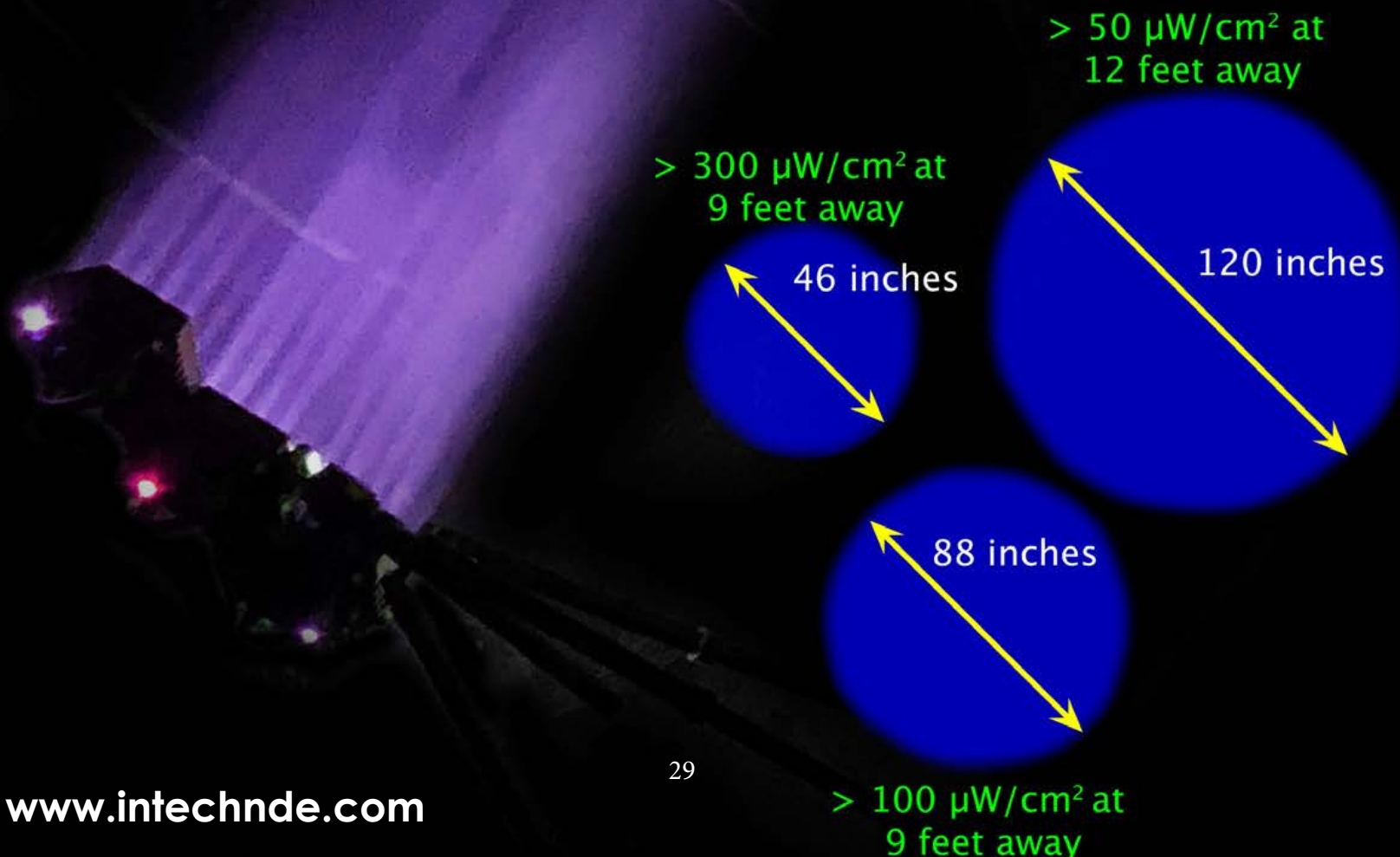
- Waterproof – IP68 Rated
- 100% continuous duty at full output
- Emitter: UV-A
- Combine several modules (5.213 lbs) together to form one larger array using integrated mounts
- Arrayed modules communicate as one unit controlled via multi-mode switch

Power

- AC or DC power options:
14–52V DC or 120/240V AC
- 100 Watts per module
- Milwaukee M18 battery option available

UV-4700 Package includes:

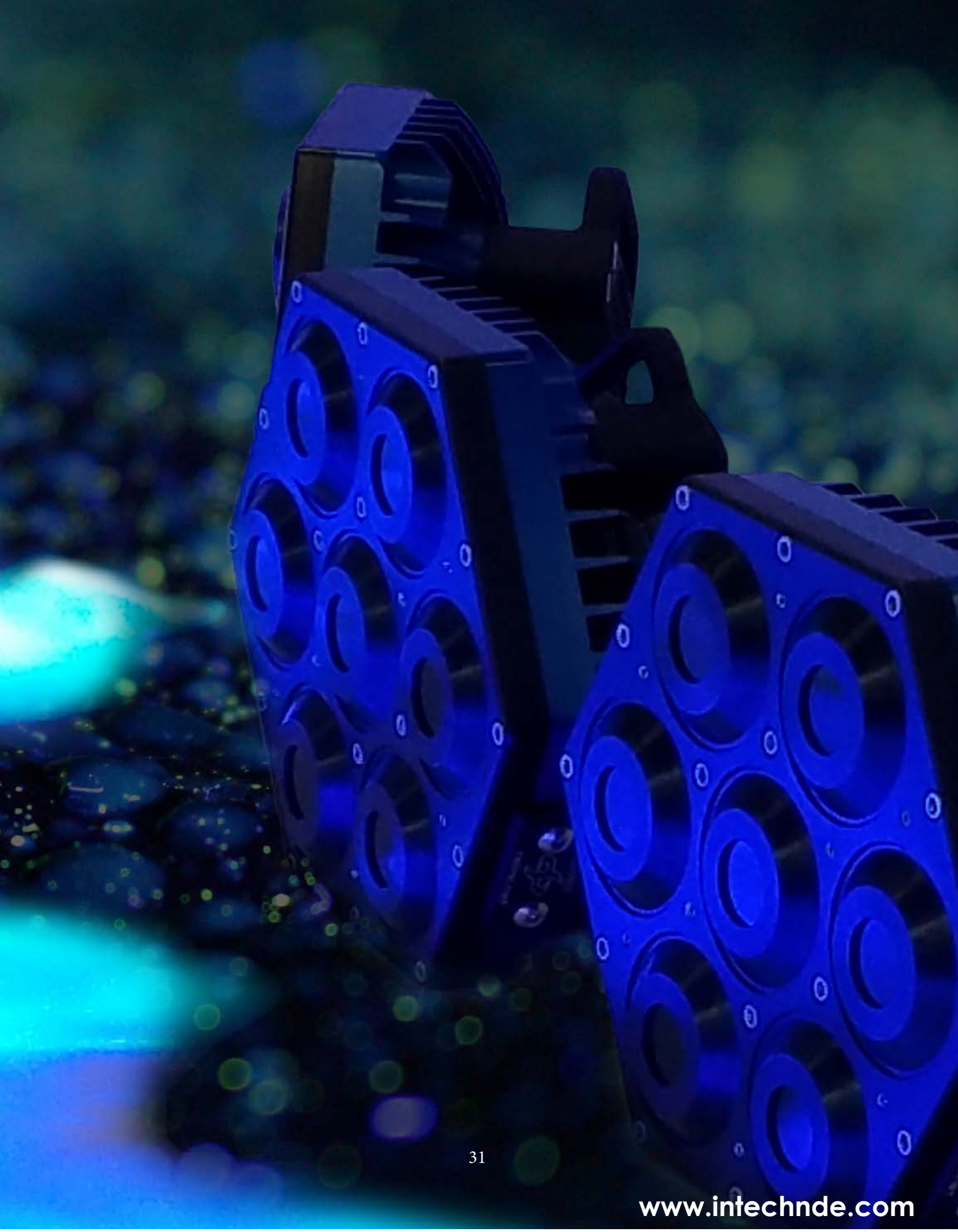
- Glo-Black Profusion XW Module
- Power supply
- Connection cord
- Swivel mount (UV-4010)



Profusion XW Single Module Characteristics

<i>Performance Attributes</i>	<i>Parameters</i>
Maximum Irradiance (at 36 in/91cm)	5700 $\mu\text{W}/\text{cm}^2$
Peak Wavelength	$365 \pm 5 \text{ nm}$
Emission Spectrum	
Full Width at Half Maximum (FWHM)	$\leq 15 \text{ nm}$
Longest Wavelength at Half Max (LWHM)	$\leq 377 \text{ nm}$
Full width at 10% Maximum	$\leq 30 \text{ nm}$
Excitation Irradiance at 36 in	$>5000 \mu\text{W}/\text{cm}^2$
Wavelength Drift (at 70°F ambient)	$\leq 1 \text{ nm}$
Typical Visible Emission	
range (400-760 nm)	$\leq 2 \text{ ft candles at 36 in}$
	$\leq 20 \text{ lux at 36 in}$

<i>Physical Attributes</i>	<i>Parameters</i>
Operating Environment	32-115° F
Maximum Housing Temperature (at 70° F ambient)	88 °F
Lamp Cord Length	10' Standard
Power Supply	Included
Weight	5.213 lbs
Power in	100-240 VAC / 50/60Hz





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Liquid Magnum
LED UV-A Lamp



Liquid Magnum LED UV-A Lamp

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

UV-2100 Kit includes:

- Glo-Black Liquid Magnum LED UV-A Lamp
- 2 Meter Light Guide (UV-2120)
- 120V plug-in wall adapter (UV-2023)
- Rugged watertight case
- Power cord (UV-2007)
- Lamp holder (UV-4010)
- Safety glasses

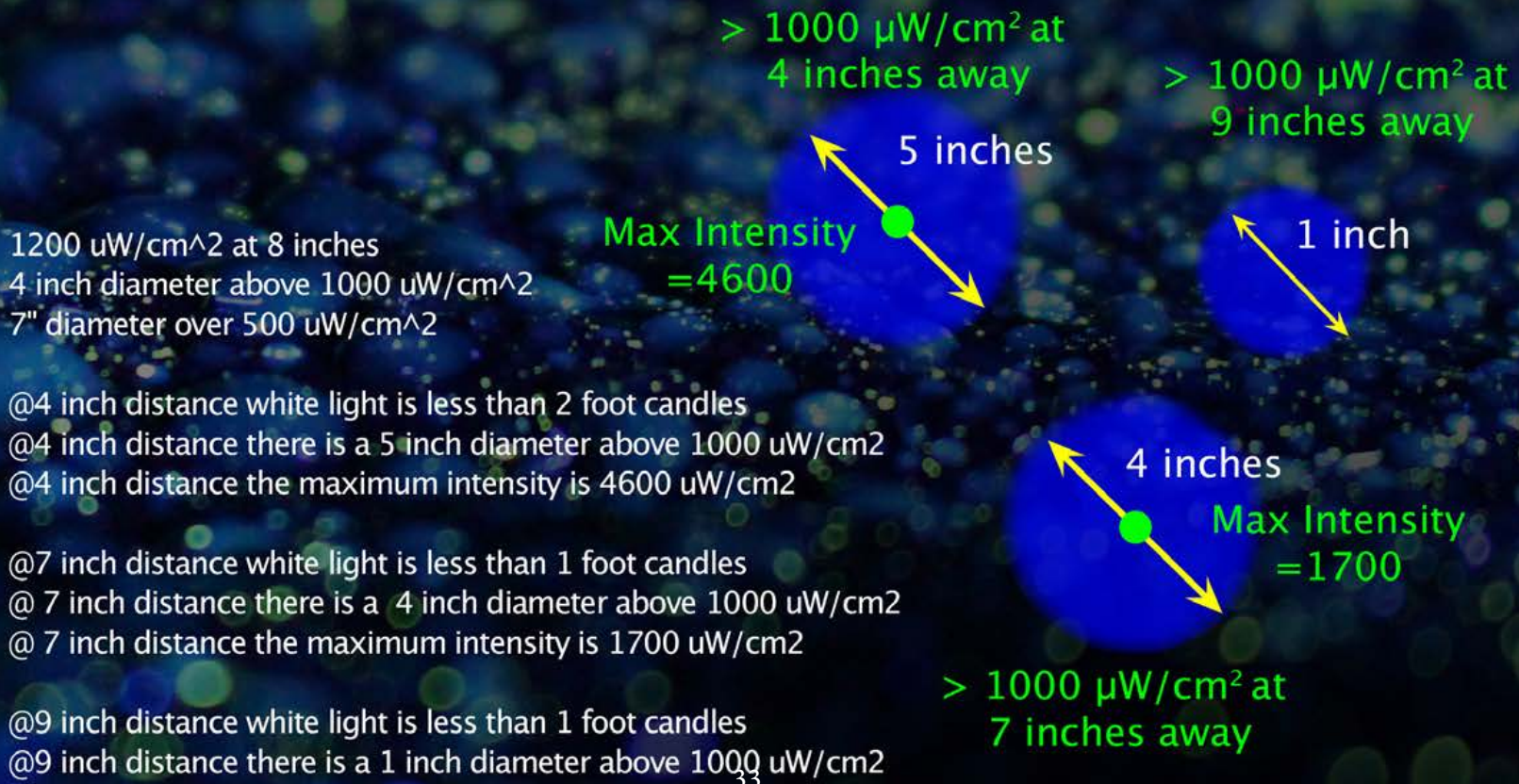
C4 Liquid Magnum LED attributes:

- Serialized Certificate of Performance
- Input voltage 90V-264V AC
- Tested to work as hard as you do
- Refurbishable
- IP67 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!



Liquid Magnum LED UV-A Characteristics

<i>Performance Attributes</i>	<i>Parameters</i>
Peak Wavelength	365 ± 5nm
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
Wavelength Drift (at 70° ambient)	≤ 3 nm
Typical Visible Emission Liquid Magnum	≤ 3 nm
(390 - 800)	≤ 2 ft candles
<i>Physical Attributes</i>	<i>Parameters</i>
Operating Environment	32 - 120 °F
Maximum Housing Temperature (at 70° F ambient)	122 °F
Lamp Cord Length	10 ft
Power Supply Cord Length	6 ft
Weight	1.8 lb
Power in	90-264 VAC / 47 ~ 63Hz < 0.6A

* Emission Spectrum measured at Stabilization Temperature
with Blue-wave UV-25 16060829-UV-GR2

Accessories Liquid Magnum



Swivel Mount
UV-4010



2 Meter
Light Guide
UV-2120

Liquid Nomad battery option



Mounting Arm
UV-1100

UV-2200 Kit includes:

- Liquid Nomad LED UV-A Lamp
- Two M18 2-Amp hour batteries
- 2-Meter Liquid Light Guide (UV-2120)
- Rugged waterproof light case
- 120V charger
- Safety glasses

POWERED BY
M18 REDLITHIUM™

"REL, Inc. is an authorized
[ODM] distributor of MILWAUKEE
ELECTRIC TOOL CORPORATION."



C4 Nomad



C4 Nomad-GO



120V Charger

Two M18 2-Amp Hour
batteries included in package

Lamp Packaging



Magnum / Magnum-GO

- UV-2000 or UV-3000
- 120V wall adapter UV-2023
- Power cord UV-2007
- Rugged watertight case
- Safety glasses



FPI Mobile Testing

- C4 Nomad
- 120V Charger
- Two M18 2-Amp hr batteries
- 1 can penetrant
- 1 can developer
- 2 cans cleaner

Nomad / Nomad-GO

- UV-2400 or UV-3400
- Rugged watertight case
- Two M18 2-Amp hr batteries
- 120V charger
- Safety glasses



Liquid Magnum

- UV-2200
- 2 Meter Guide UV-2120
- 120V wall adapter UV-2023
- Power Cord UV-2007
- Lamp holder UV-4010
- Rugged watertight case
- Safety glasses





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