UV-LED-Handlamp H-224

RRES 90061 Qualified | Extreme Large Irradiated Area

Revolutionary UV Features:

- Electronic UV-LED Monitoring to use LED-Sources as Discharging Bulb-based UV-Sources without Additional Checks and Records
- Adaption Time Signalization (1, 3 or 5 minutes pre-adjustable)
- Battery Monitoring with Pre-Warning and Security Switch-Off Before Output Drops
- Temperature Monitoring With Pre-Warning and Overheat Protection
- Temperature Regulated and Electronic Monitored Cooling System
- ECO-Mode for Maximum Life-Time and Power-Saving
- Auto Switch-Off When Not Used, Instant ON when Resuming Work, (Can be Deactivated and Pre-Adjusted)
- Qualified and Approved According to Rolls-Royce Engineering Specification RRES 90061
- Guaranteed Requalification Possibility for Upcoming ASTM and ISO Standards (at Least Until 2017)
- Conform to All Actual Major Standards(August 2015)

Revolutionary Whitelight Option:

- Stepless Soft White Light Dimming and Crossfade Features for Maximum Interpretation Capability Instead of Showing Different Picture AND Flash Blinding the Eyes
- UV/VIS Toggling and White Light Shiftable in Addition to UV
- Finely In-Use Adjustable White Light Output With Fallback And Configuration Options

Configuration Option:

- Focussed Spot With Hard Radiation Drop at the Edges
- Flood Lamp With Soft Radiation Drop Extremly Uniform Beam Pattern and Short Minimum Working Distance
- High Quality White Light Options
- All Worldwide Mains Plugs and Voltage Versions Available

Detailled Specification:

- Real Peak 365 ± 5 nm, also at maximum qualified ambient temperature
- Acoustic and Visual Indicators
- Qualified and Approved for Ambient Temperatures from 5° to 50°C (40° - 122° F)
- Exceptional Life-Time
- Robust Design for Reliable Operation Even Under Rough Industrial Conditions
- Engineered and Made in Germany by NDT-experts
- Integrated UV-Pass Filter
- Optional Mains Operation or Rechargeable Battery
- Qualification Report and Certificate of Compliance Stating All Relevant Lamp Individual Results

Technical Data

SECU CHEK

Lamp Type	UVE-H224		UVE-H224W	
Beam Pattern FL: Flood with soft radiation drop at the edges - FO: Focussed spot	FL	FO	FL	FO
Specification UV-A Radiation				
Number of UV-LEDs	8 Highpower UV-LEDs			
Peak-Wavelength	365 ± 5 nm (within the approved ambient temperature range)			
Approved ambient temperature	5 - 50° C (40 - 122° F)			
Full Width Half Maximum (FWHM) UV-Spectrum	maximal ± 10 nm of the peak-wavelength			
Integrated, automatic adaption time signalization	pre-selectable: 1, 3 or 5 minutes after switch-on of UV			
Advanced Electronic UV-LED Monitoring for maximum process reliability and usage of LED lamps without additionel checks and records	✓			
Automated shutdown when lamp is not in use (ECO-Mode)	after 3 minutes, immediate reconnection by movement, deactivatable			
Connection possibility for external foot paddels	✓			
Battery monitoring and security switch-off	integrated, with early-warning			
Electronic fan monitoring	✓			
Temperature-sensitive fan control	✓			
Standard conformance, approvals and qualifications (^= ready for upcoming standards)*	ASTM E1444, ASTM E1417, ASTM E2297, ASTM E0709, ASTM E165, ASME, EN ISO 3059, EN ISO 3452, EN ISO 9934, NADCAP^, Pratt & Whittney^			
Rolls-Royce RRES 90061 conform	✓	-	✓	-
UV-A intensity (µW/cm²) in 15 in. (38 cm) distance	> 2,600	> 9,000	> 2,600	> 9,000
Irradiated area in 15 in. (38 cm) distance (> 1,000 µW/cm²)	ø 36 - 38 cm	ø 19 - 22 cm	ø 36 - 38 cm	ø 19 - 22 cm
Irradiated area in 15 in. (38 cm) distance (> 100 µW/cm²)	ø 50 - 58 cm	ø 13 - 28 cm	ø 50 - 58 cm	ø 13 - 28 cm
Minimum working distance	7 cm	25 cm	7 cm	25 cm
Typical Lifetime T_{70} / T_{50}	> 15.000 h / > 18.000 h			
Stability of UV-intensity	> 85 %			
Amount of visible light	< 0,5 fc (< 5 Lux), not visible			
Risk Class acc. DGZfP EM6	2 (up to 9.000 µW/cm²); 3 (more than 9.000 µW/cm²)			
Specification high quality, integrated whitelight functions for daylight inspection (W versions)				
Illuminance in 15 in. (38 cm) distance	-		> 115 fc (> 1.250 lx)	
Pre-adjustable white light output	-		0.5 - 100 %, fine adjustable	
In-use illumincance adjustment	-		0.5 - 100 %, fine adjustable	
UV / VIS toggling	-		✓	
Shiftable white light (UV + VIS)	-		✓	
Automated stepless white light dimming in addition to UV	-		2 dimming speeds or white light switching selectable	
Automated stepless crossfading (UV / VIS)	-			
Color temperature TCP (Light color)	5.300 K - 6.000 K (similar to daylight)			
Color Rendering Index (CRI)	-		Ra > 80	
Technical Specification				
Power Supply	100 - 230V AC/DC-power supply and optional battery			
Status Indicators	1 separate multicolor LED for UV and VIS*, acoustic signal			
Power Consumption (only UV / with VIS)	35 W / 60 W			
Operating Voltage lamp unit	< 50 V DC (SELV)			
Electric Protection Class	III (Safety extra-low voltage, SELV)			
Weight*: (Lamp unit / complete with power supply)	1.65 lbs / 2.85 lbs			

* model/type specific | We reserve the right of error, improvement and technical modification without notice.
CSF2H-2-5104

Accesories

- Foot-Paddle for Handsfree Operation of the Whitelight Options
- Extra Robust Power Supply in Metal Casing, Made in Germany
- High Power Rechargebale Li-Ion Battery Pack
- UV-Pass Filter
- Advanced Power Supply
- Various Mounting Equipment and Stands
- UV Protection Glasses
- Robust Carrying Case

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H1 UV LED HANDLAMPS

advanced and professional tools for enhanced fluorescent inspection

GROUNDBREAKING INNOVATION

uncompromising better than bulb-based UV lamps

The Perfect UV-A LED Blacklight for Every Specific Application

REVOLUTIONARY INTERPRETATION

Automatic Stepless
White Light Dimming and
Crossfade Features

Uninterrupted, relaxed and enhanced observation of indications by viewing films of transition between the 3 possible illuminations:
UV only / UV and VIS together / VIS only
NO Flash Blinded Eyes, NO Loss of Sharpness,
NO Unneeded Stress for the Eyes

ORIENTATION AND CLEAR VISION

REAL Floodlamps with Soft Radiation Drop and
NO Inhomogeneity Within the Beam
Even When Moving the Lamp

UV LED lamps WITHOUT any compromises, always BETTER than using bulb-based UV sources.
Clear and sharp display, even of tiny indications.
WITHOUT loss of inspection performance by using the full detection capability of the human eye for fast, secure, easy and tireless inspection
NO hotspots even in very short distances

INVESTMENT SECURITY

Guaranteed Requalification
Possibility for Upcoming Standards (until 2017)
Conform to All Actuall Major Standards

Using UV LED Technology by NOW without worries and NO waste of money! Paper requalification and necessary technical upgrades free of charge for upcoming ASTM, ISO and NADCAP requirements (at least until 2017)

MAXIMUM PROCESS SECURITY

MORE Secure Inspection due to
Electronic System Monitoring and
Adaption Time Signalization

Easier, better and more reliable inspection by additional integrated process support and security features

HIGH QUALITY

For NDT Professionals
Engineered and
Made in Germany

Completely designed, manufactured, assembled and qualified in Germany

1H1D16v

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Further Highlights of UVE Series

SECU CHEK

- Electronic UV-LED Monitoring to Use UV LED Sources At Least As Secure As Bulb-based UV Sources
- Programmable Adaption Time Signalization (1, 3 or 5 minutes)
- Individually Configurable by the User
- Exceptional Life-Time
- Optional Stepless Soft White Light Dimming and Crossfade Features for Maximum Interpretation Capability
- High-End White Light in Daylight Quality (5,700 K | CRI > 90)
- ECO-Mode for Maximum Life-Time and Power-Saving
- Battery Monitoring with Pre-Warning and Security Switch-Off Before Output drops

Additional Highlights of UVN Series

- Adaption Time Signalization
- In-Use Adjustable White Light. Shiftable in Addition to UV UV / VIS Toggling
- Qualified and Approved According to Aerospace Standards
- Qualification Report and Certificate of Compliance Stating All Relevant Lamp Individual Results
- Guaranteed Requalification Possibility for Upcoming Aerospace, ASTM and ISO Standards (at Least Until 2017, for Selected Models)
- Enhanced Ambient Temperature Range 40 - 122°F (5 to 50°C)
- Temperature Monitoring and Overheat Protection With Pre-Warning
- Integrated UV Pass Filter

Highlights of All Series

- Real Peak 365 ± 5 nm Always During Operation Within the Qualified Temperature Range
- Optional UV / White Light Toggling
- Wearless Touch Switches (Work Also When Wearing Gloves)
- Monitored Fan Cooling
- Battery Monitoring with Security Switch-Off Before Output Drops
- Acoustic and Visual Indicators
- Mains Supply by AC/DC Transformer and Mobile Battery Supply by Rechargeable NiMH or LiIon Battery Packs
- Easy and Tireless Long-Term Usage Based on Groundbreaking Ergonomic and Lightweight Design
- Conform to All Actual Major Standards (November 2015)
- High Stability of Intensity and Wavelength
- Exchangeable Rubber Bumper With Integrated Protective Sheave
- Integrated Holder for Standard Mount and Fixation Possibility
- Robust Design For Reliable Operation Even Under Rough Industrial Conditions
- Designed for NDT Applications by NDT-Experts for NDT-Professionals
- Safety Extra Low Voltage (SELV) at Hand Set
- Engineered, Manufactured, Assembled and Qualified in Germany

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Select the perfect UV LED lamp for your needs from 48 different models and many options:

3 Series

UVS — Basic Series for Standard Applications

UVN — Advanced Series for Applications with Enhanced Requirements

UVE — Professional Series with Advanced Monitoring Features for Maximum Process Security

Optional White Light Features

UV — Automatic Stepless White Light Dimmung and Crossfade Features

UV / White Light Toggling and White Light Shiftable in Addition to UV

IN USE — In-Use Adjustable White Light Output, With Fallback Option

Beam Style

Focussed Spot With Hard Radiation Drop at the Edges

Flood Lamp With Soft Radiation Drop at the Edges and Extreme Homogeneity of the Beam

Number of UV LED Elements

3 to 6 UV-LEDs to Select Various Intensities (1,700 to 12,500 µW/cm²) and Irradiation Area Sizes

Power Supply

All Worldwide Mains Plugs and Voltages Versions Available

AC/DC — External Standard Transformer with Permanently Fixed Cables Made in Europe

Lilon — Extra Lightweight, High Power Rechargeable Li-Ion Battery Pack

Extra Robust Metal Cased Transformer Made in Germany

Aluminium Cased Transformer for Expanded Connections Made in Germany

NiMH — Rechargeable NiMH Battery Pack

Accessories

Foot-Paddle for Handsfree Operation of the White Light Options

Robust Carrying Case

MOUNT + HOLD — Various Mounting Equipments

UV — UV Pass Filter

UV Protection Glasses

Qualified Retractile Coiled and Straight Extension Cords

1H3161v

SECU CHEK

Detailled UV Specification:

Real Peak 365 ± 5 nm
Always During Operation
Within the Qualified Temperature Range

Battery Monitoring With
Security Switch-Off
Before Output Drops

Robust Design for Reliable
Operation Even Under
Rough Industrial Conditions

Conform to Actual Major Standards
(November 2015)

Groundbreaking Ergonomic and
Lightweight Design for
Easy and Tireless Long-Term Usage

Monitored
Fan Cooling

Temperature Monitoring
and Overheat Protection

10,000 Hours Typical Operation Time with
At Least 70% of the Output at Delivery
Under Real Conditions

Qualified and Approved for Ambient Temperature from
5° to 40° C (40° - 105° F)

Mains Supply by AC/DC Transformer and
Mobile Battery Supply by
Rechargeable NiMH or LiIon Battery Packs

Acoustic and
Visual Indicators

Standard Qualification Report and
Certificate

High Quality White Light Option:

UV / White Light Toggling

Multi-Level Pre-Adjustable
White Light Output

High Quality Cool White Light
(5,000 K | CRI > 80)
Large Illumination Area

1H1016v

For detailed product and qualification information, contact or visit us at www.secu-chek.com/uvs-h1

Advanced UV Features:

- Qualified and Approved According to Rolls-Royce RRES 90061
- Adaption Time Signalization 1 Minute
- Ideal for NDT
- Qualified and Approved for Ambient Temperatures from 5° to 50° C (40° - 122° F)
- Temperature Monitoring and Overheat Protection With Pre-Warning
- Guaranteed Requalification Possibility for Upcoming Aerospace, ASTM and ISO Standards (at Least Until 2017, for Selected Models)
- Conform to All Actual Major Standards (November 2015)
- Integrated UV-Pass Filter
- Superior Life-Time
- Detailed Qualification Report and Certificate of Compliance Stating All Lamp Individual Results

Advanced White Light Option:

- White Light Shiftable in Addition to UV
- In-Use Adjustable White Light Output
- High Quality Cool White Light (5,000 K | CRI > 80) Large Illumination Area
- UV / White Light Toggling

Basic Specification:

- Real Peak 365 ± 5 nm Always During Operation within the Qualified Temperature Range
- Mains Supply by AC/DC Transformer and Mobile Battery Supply by Rechargeable NiMH or Lilon Battery Packs
- Groundbreaking Ergonomic and Lightweight Design for Easy and Tireless Long-Term Usage
- Acoustic and Visual Indicators
- Robust Design for Reliable Operation even under Rough Industrial Conditions
- Battery Monitoring with Security Switch-Off Before Output Drops
- Monitored Fan Cooling

For detailed product and qualification information, contact or visit us at www.secu-chek.com/uvn-h1

1H1016v

Revolutionary UV Features:

- Electronic UV-LED Monitoring to Use UV LED Sources At Least As Secure As Bulb-based UV Sources
- Programmable Adaption Time Signalization (1, 3 or 5 minutes)
- Qualified and Approved According to Rolls-Royce RRES 90061
- Individually Configurable by the User
- Guaranteed Requalification Possibility for Upcoming Aerospace, ASTM and ISO Standards (at Least Until 2017, for Selected Models)
- Conform to All Actual Major Standards (November 2015)
- ECO-Mode for Maximum Life-Time and Power-Saving, Auto Switch-OFF and Switch-ON
- Acoustic, Visual and Tactile (Vibrating) Indicators
- Exceptional Life-Time of more than 18.000 hours Time of Usage Under Real Conditions
- Retractile Coiled Power Cord
- Detailed Qualification Report and Certificate of Compliance Stating All Lamp Individual Results

Revolutionary White Light Option:

- Stepless Soft White Light Dimming and Crossfade Features for Maximum Interpretation Capability Instead of Showing Different Pictures and Flash Blinding the Eyes
- In-Use Adjustable White Light Output, With Fallback Option
- White Light Funtions Additionally Hands-free Operable by Foot Paddles
- High-End White Light in Daylight Quality (5,700 K | CRI > 90) Extreme Uniform and Large Illumination
- White Light Shiftable in Addition to UV UV / White Light Toggling

Basic Specification:

- Real Peak 365 ± 5 nm Always During Operation Within the Qualified Temperature Range
- Battery Monitoring with Pre-Warnung and Security Switch-Off Before Output Drops
- Qualified and Approved for Ambient Temperatures from 5° to 50° C (40° - 122° F)
- Groundbreaking Ergonomic and Lightweight Design for Easy and Tireless Long-Term Usage
- Temperature Monitoring and Overheat Protection With Pre-Warning
- Integrated UV-Pass Filter
- Robust Design for Reliable Operation Even Under Rough Industrial Conditions
- Mains Supply by AC/DC Transformer and Mobile Battery Supply by Rechargeable NiMH or Lilon Battery Packs

For detailed product and qualification information, contact or visit us at www.secu-chek.com/uve-h1

RIL CHEMIE
www.uv-led-lamp.com

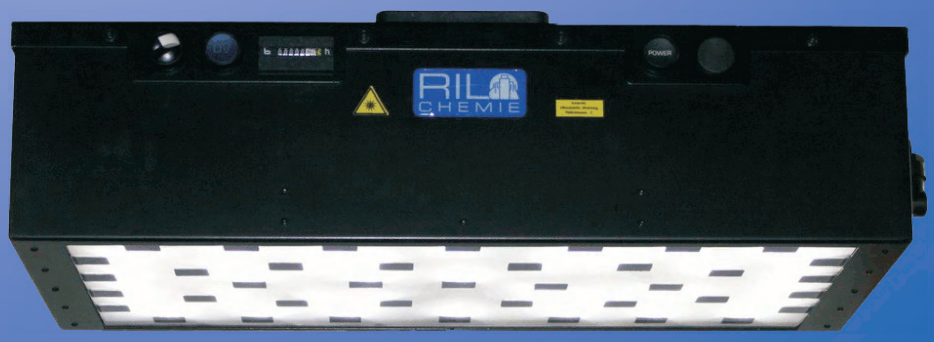
UV-LED-Floodlamps UVED-S

- extra long-lasting, state-of-the-art LED-Technology
- Peak-Wavelength: 365 nm (± 5 nm)
- extra large irradiation area for optimal examination performance
- exceptional uniform distribution of the UV-radiation
- instant ON/OFF
- any irratiation area feasible
- low heat development
- tough industrial-grade for 24/7 and heavy duty use
- optional finely dimmable white light, shiftable in addition to UV or autonomous usable
- NO visible reflections, also on shining surfaces
- maximum contrast
- maximum stability of intensity and wavelength
- high-quality fan-cooling
- according to ISO/DIS 3059, ISO 9934, ISO 3452, ASTM- und ASME-standards
- engineered and manufactured in Germany

exceptional uniform distribution of the radiation

UV-intensity adjustable ex works

shiftable + dimmable white light up to 185 fc (2.000 lux)



further product information on the back side and www.uv-led-lamp.com/uved-s

UVED-S stationary UV-LED-Floodlamps for industrial usage

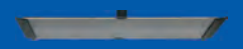
Type:	Focus:**	UVED-S712W	UVED-S712	UVED-S710S	UVED-S710SW	UVED-S610	UVED-S608S	UVED-S508	UVED-S507S
Order Number:		800-UVED-S712W	800-UVED-S712	800-UVED-S710S	800-UVED-S710SW	800-UVED-S610	800-UVED-S608S	800-UVED-S508	800-UVED-S507S
Peak-Wavelength:		365 nm (± 5nm)							
FWHM (Full Width Half Maximum):		< 15 nm							
UV-A-Intensity in 38 cm (15 in.) Distance (high level):	FL	> 3,000 µW/cm² (30 W/m²)		> 2,200 µW/cm² (22 W/m²)		> 3,000 µW/cm² (30 W/m²)	> 2,000 µW/cm² (20 W/m²)	> 2,600 µW/cm² (26 W/m²)	> 2,000 µW/cm² (20 W/m²)
	F1	> 5,500 µW/cm² (55 W/m²)		> 4,000 µW/cm² (40 W/m²)		> 5,500 µW/cm² (55 W/m²)	> 4,000 µW/cm² (40 W/m²)	> 5,000 µW/cm² (50 W/m²)	> 4,000 µW/cm² (40 W/m²)
	F2	> 6,700 µW/cm² (67 W/m²)		not available		> 7,500 µW/cm² (75 W/m²)	not available	> 6,300 µW/cm² (63 W/m²)	not available
Minimum Working Distance:	FL	14 cm (5.5 in.)		15 cm (6 in.)		10 cm (4 in.)	15 cm (6 in.)	20 cm (8 in.)	15 cm (6 in.)
	F1	23 cm (9 in.)		25 cm (10 in.)		20 cm (8 in.)	25 cm (10 in.)	31 cm (12 in.)	25 cm (10 in.)
	F2	26 cm (10 in.)		not available		34 cm (13 in.)	not available	34 cm (13 in.)	not available
Irradiated Area in 38 cm (15 in.): > 1,000µW/cm² (10 W/m²)	FL	70 x 40 cm (28 x 16 in.)		65 x 35 cm (26 x 14 in.)		60 x 40 cm (24 x 16 in.)	55 x 35 cm (22 x 14 in.)	50 x 40 cm (20 x 16)	45 x 35 cm (18 x 14 in.)
	F1								
	F2	65 x 35 cm (26 x 14 in.)		not available		55 x 35 cm (22 x 14 in.)	not available	45 x 35 cm (18 x 14 in.)	not available
Irradiated Area in 38 cm (15 in.) > 100µW/cm² (1 W/m²) (realized area):	FL	105 x 95 cm (41 x 37 in.)		90 x 80 cm (35 x 32 in.)		95 x 85 cm (37 x 33 in.)	90 x 80 cm (35 x 32 in.)	85 x 75 cm (33 x 30 in.)	70 x 60 cm (28 x 24 in.)
	F1	90 x 65 cm (35 x 26 in.)		70 x 50 cm (28 x 20 in.)		80 x 60 cm (32 x 24 in.)	70 x 55 cm (28 x 22 in.)	60 x 50 cm (24 x 20 in.)	50 x 40 cm (20 x 16 in.)
	F2	85 x 60 cm (33 x 24 in.)		not available		70 x 55 cm (28 x 22 in.)	not available	55 x 45 cm (22 x 18 in.)	not available
UV Intensity Levels:		1							
Stability of UV-Intensity		> 90%							
Number of UV-LEDs:		39		33			28	26	24
Visible Output:		< 2 Lux		< 5 Lux		< 2 Lux	< 5 Lux	< 2 Lux	< 5 Lux
Visible Reflections:*		NO Reflections		minimal, substantial less than HID-UV-Sources		NO Reflections	minimal, substantial less than HID-UV-Sources	NO Reflections	minimal, substantial less than HID-UV-Sources
Typical Life Time T70		> 10,000 h		> 8,000 h		> 10,000 h	> 8.000 h	> 10,000 h	> 8,000 h
Typical Life Time T50		> 15,000 h		> 12,000 h		> 15,000 h	> 12.000 h	> 15,000 h	> 12,000 h
Risk Class according to DGZfP EM-6:		2							
Allowed Ambient Conditions:		Temperature: 0 - 55 °C (35 - 135 °F), Humidity: 20 - 80 % (non-condensing)							
Shiftable and Autonomous Usable White Light:		finely dimmable	not available		finely dimmable	not available			
Dimmable White Light		stepless 20 - 800 Lux via control dial	not available		stepless 20 - 800 Lux via push button	not available			

* when using ISO/DIS 3059 conform, clear UV-Protection-Glasses (Article 800-UV-SB-NR)

** Fl: Floodlamp F1: softly focussed F2: focussed

We reserve the right of error, improvement and technical modification without notice.

robust, multipurpose fixture
for easy and stable mounting
800-UVED-S-Z-UH500
800-UVED-S-Z-UH6007



protection-pane
attachment set
800-UVED-S-Z-SSBS

UV-permeable protection-pane
3 different sizes
800-UVED-S500-XSS3
800-UVED-S600-XSS3
800-UVED-S700-XSS3

high-quality white-light filter
for zero VIS-emission and
NO reflections
800-UVED-SFG-XXX-YY

foot-operated dimmer for all
UVED-lamp types to dimm
UV or VIS (customizable)
800-UVED-SW-FR

customizable
ON/OFF-foot-switch
for UV and/or VIS
800-UVED-SW-FS-UVWL

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further information and accessories:
www.uv-led-lamp.com/uved-s

Version: 10.2012

Catalog 303 (March 2016)

SPECTROLINE®

Inspection Products for Nondestructive Testing

Solutions for the NDT Technician

ISO 9001:2008
CERTIFIED COMPANY

NDT: AN OVERVIEW

Nondestructive testing (NDT) is a procedure used to examine and/or inspect materials and components to locate surface and subsurface defects in a way that allows such materials to be examined without changing or destroying their original design or structure.

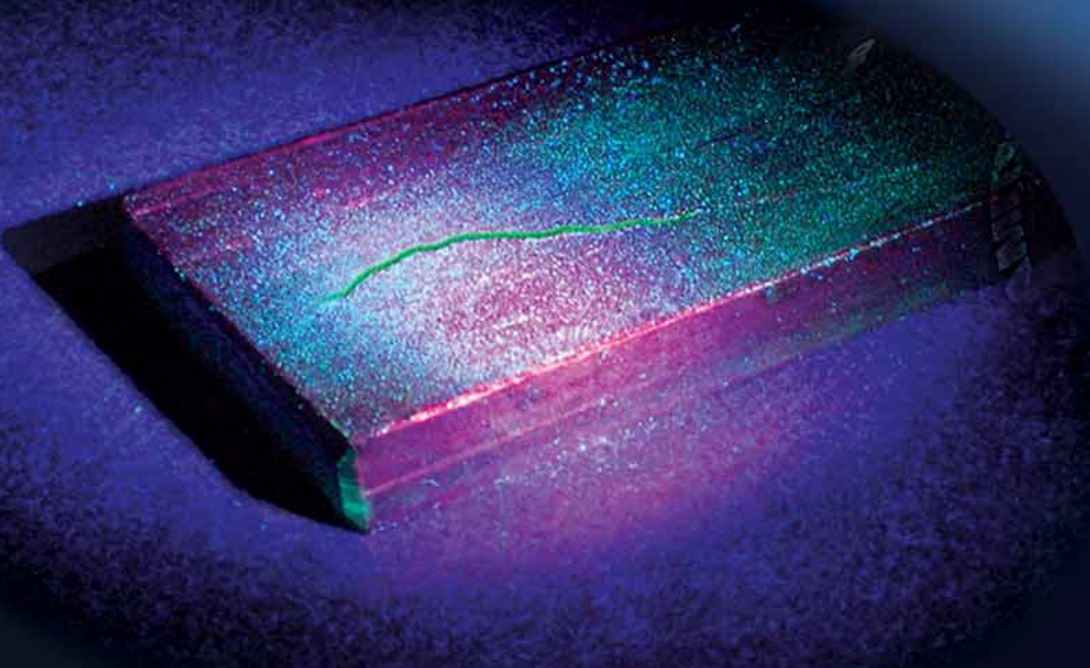
NDT plays a crucial role in everyday life. It is necessary to ensure structural integrity, safety and reliability in aircraft, motor vehicles, pipelines, seafaring vessels, bridges, trains, tunnels, power stations, refineries and oil platforms. All are inspected using some method of nondestructive testing.

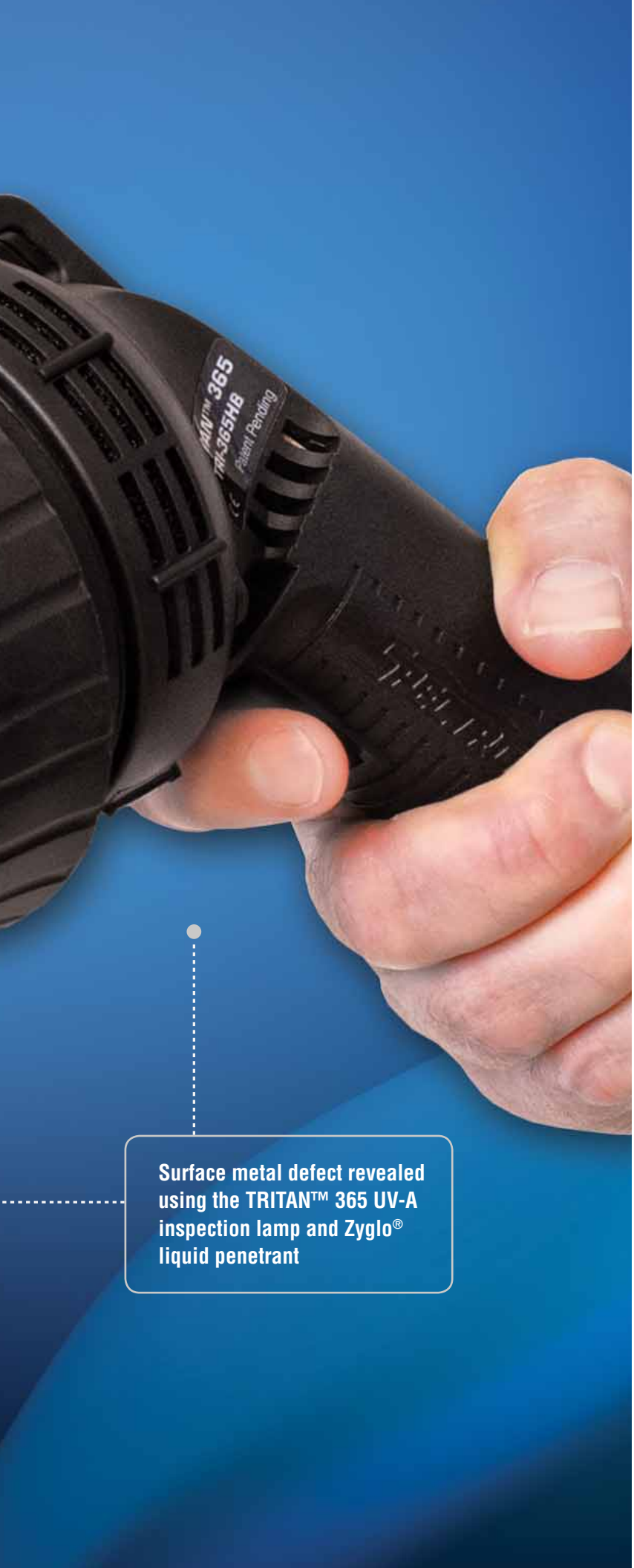
Nondestructive testing is also a quality assurance production and management tool which can provide impressive results when used correctly. It requires an understanding of the various methods available, their capabilities and limitations, knowledge of the relevant standards and specifications for performing the tests.

Materials, products and equipment that fail to achieve their design requirements or projected life due to undetected defects may require expensive repair or early replacement. Such defects may also be the cause of unsafe conditions or catastrophic failure, as well as the loss of revenue due to unplanned shutdowns.

Nondestructive testing can be applied to each stage of an item's development, manufacture or construction. The item's materials and assembly can be examined using NDT and either accepted, rejected or repaired. NDT techniques can then be used to monitor the integrity of the item or structure throughout its service life.

The most commonly used NDT methods are visual inspection, liquid penetrant inspection, magnetic particle inspection, Eddy current inspection, acoustic emission, ultrasonic inspection and radiography.





Surface metal defect revealed using the TRITAN™ 365 UV-A inspection lamp and Zyglo® liquid penetrant

TABLE OF CONTENTS

Spectronics Corporation manufactures a wide array of medium and high-intensity inspection lamps and products that are used to detect and identify surface and subsurface flaws in the performance of nondestructive testing utilizing the visual inspection, liquid penetrant and magnetic particle methods. For more information see www.spectroline.com.

OLX-365 Series

OPTI-LUX™ 365 UV-A LED Inspection Flashlights

Affordable, Super-Compact and Designed Specifically for NDT!

Feature a powerful UV-A (365 nm) LED light source coupled with a rugged anodized lamp body. Lightweight and compact, they reduce user fatigue while providing an extremely uniform beam profile that surpasses those of more expensive lamps.

Available in four models to suit your specific NDT needs: high-intensity or standard-intensity versions, each with or without an internal black light filter.

- Choice of nominal steady-state UV-A intensity of ***10,000 µW/cm²*** or maximum of ***4,500 µW/cm²*** at 15 inches (38 cm)
- Coverage area up to 2.5 inch (6.3 cm) diameter at 15 inches (38 cm), with minimum UV-A intensity of ***2,000 µW/cm²***
- Anodized aluminum lamp body minimizes corrosion and stands up to years of heavy use
- Instant-on operation; lamp reaches full intensity immediately!
- Convenient on/off switch for easy, one-handed operation
- Powered by one rechargeable lithium-ion battery with an extra battery included with the lamp. Each provides 4 hours of continuous inspection between charges.
- Meets ASTM UV-A intensity and wavelength specifications for LPT and MPT
- Both high- and standard-intensity versions are available with internal black light filter. Externally mounted black light filter with rubber bumper can be purchased as an accessory.
- ***Certificate of compliance*** for both wavelength and output measurements supplied with every lamp

OPTI-LUX™ 365 flashlight with **BF-365LX** external black light filter accessory

Model	Nominal steady-state UV-A (365 nm) intensity at 15 inches (38 cm) ①	Visible light measurement	Diameter of UV-A coverage area at 15 inches (38 cm)
OLX-365 High intensity, with clear filter	10,000 μW/cm^2	0.8 foot-candles (8.6 lux)	2 inch (5.0 cm)
OLX-365B High intensity, with internal black light filter	10,000 μW/cm^2	0.4 foot-candles (4.3 lux)	2 inch (5.0 cm)
OLX-365FL Standard intensity, with clear filter	4,500 μW/cm^2 maximum ②	0.3 foot-candles (3.2 lux)	2.5 inch (6.3 cm)
OLX-365BFL Standard intensity, with internal black light filter	4,500 μW/cm^2 maximum ②	0.2 foot-candles (2.1 lux)	2.5 inch (6.3 cm)

Light Source:	UV-A LED
Lamp Style:	Cordless flashlight
Lamp Head Diameter:	1.25 in (3.2 cm)
Length:	5.9 in (15 cm)
Weight (*w/Battery*):	4.6 oz (130 g)
Power Requirement:	One 3.7V 2200mA/Hr lithium-ion battery (rechargeable)
Run Time:	4 hours (continuous)
Charge Time:	4 hours (one or two batteries)
Charging Cradle:	Two-battery capability with AC and DC cord sets

① All UV-A intensity readings taken with Spectroline® AccuMAX™ Series meter, and are factory set to the values shown

② To address aerospace industry concerns

OPTI-LUX™ 365 Series flashlights come complete with lanyard, belt holster, two rechargeable batteries, smart charging cradle with AC and DC cord sets, UV-absorbing spectacles and a padded carrying case.

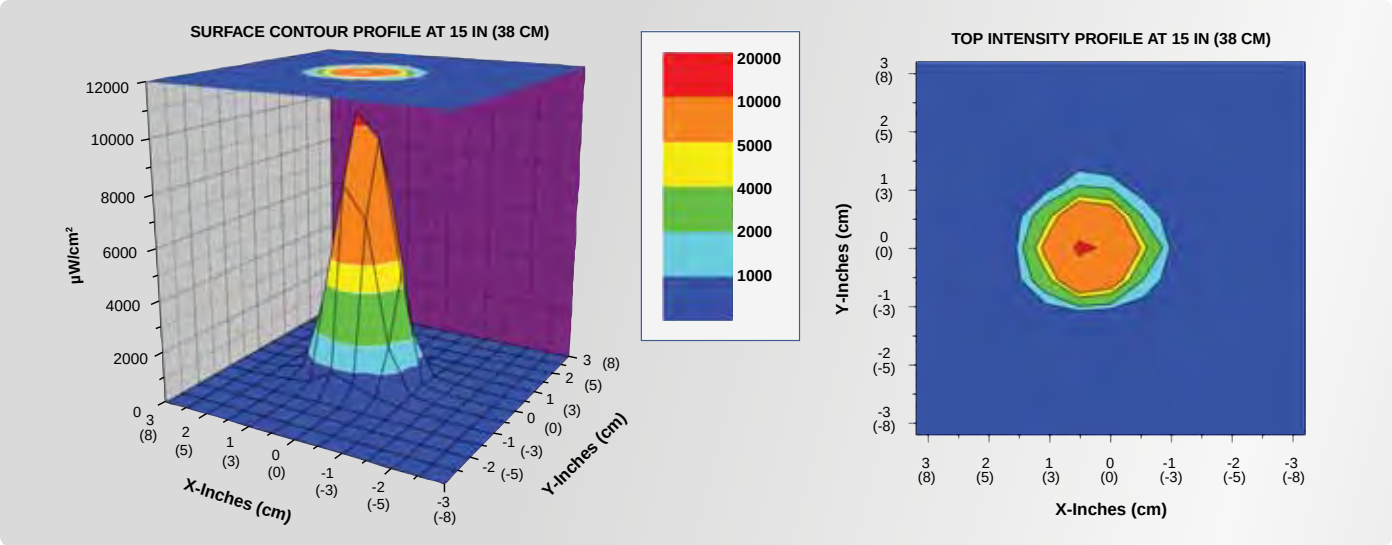
Replacement Parts & Accessories

BF-365LX	External black light filter with rubber bumper
127423	Dome lens
127568	Lithium-ion battery (rechargeable)
127607	Internal black light filter
127785	Internal clear filter
128217	Battery charging cradle with AC cord
128225	DC cord set
127574	Belt holster
UVS-30	UV-absorbing spectacles
CC-365	Carrying case

HIGH-INTENSITY MODELS

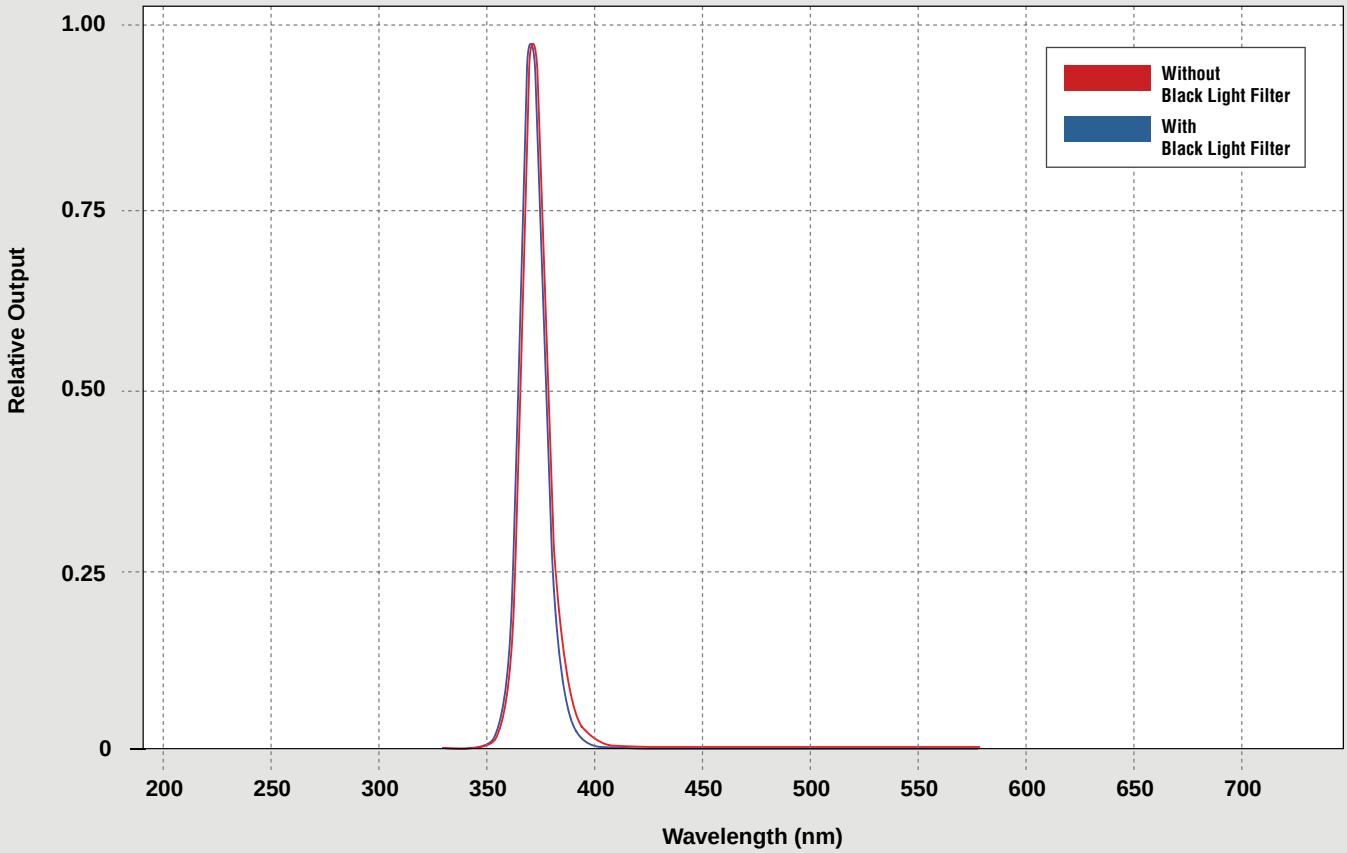
OPTI-LUX™ 365 Series flashlights are available in two ***high-intensity*** models that are designed for NDT inspection applications requiring high UV-A output. The **OLX-365** is equipped with a clear filter, while the **OLX-365B** comes with an internal black light filter that reduces the output of wavelengths longer than 400 nm. Both versions provide a nominal steady-state UV-A intensity of ***10,000 µW/cm²*** at 15 inches (38 cm).

UV-A BEAM PROFILE



NORMALIZED UV IRRADIANCE

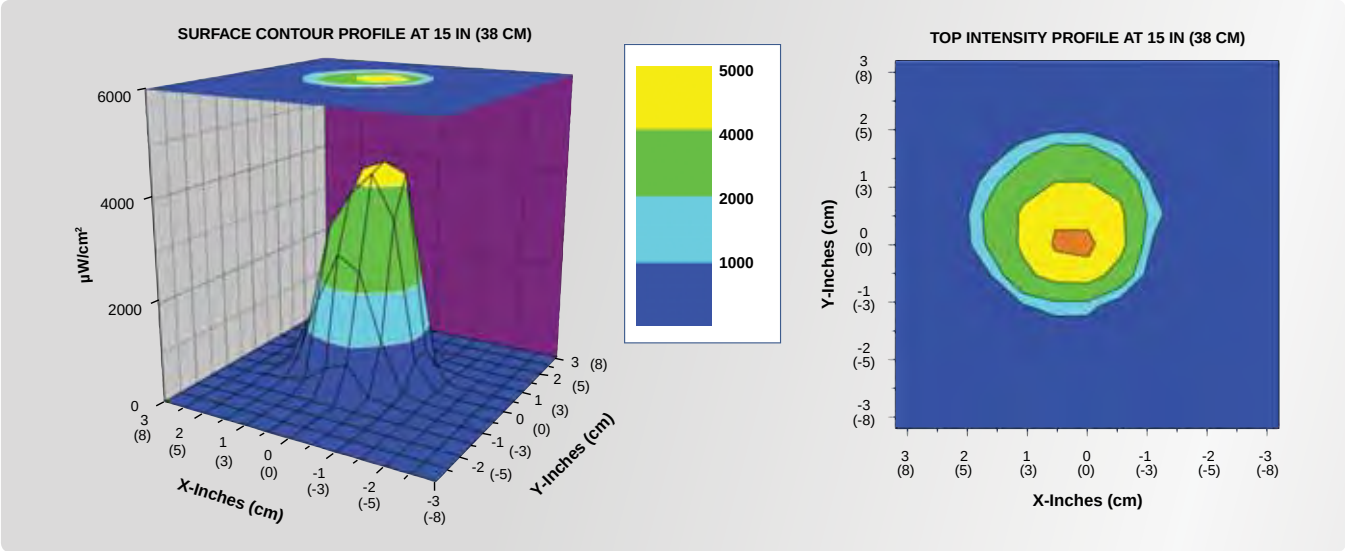
Typical wavelength output profile of OPTI-LUX™ 365 with and without black light filter, with peak at 365 nm.



STANDARD-INTENSITY MODELS

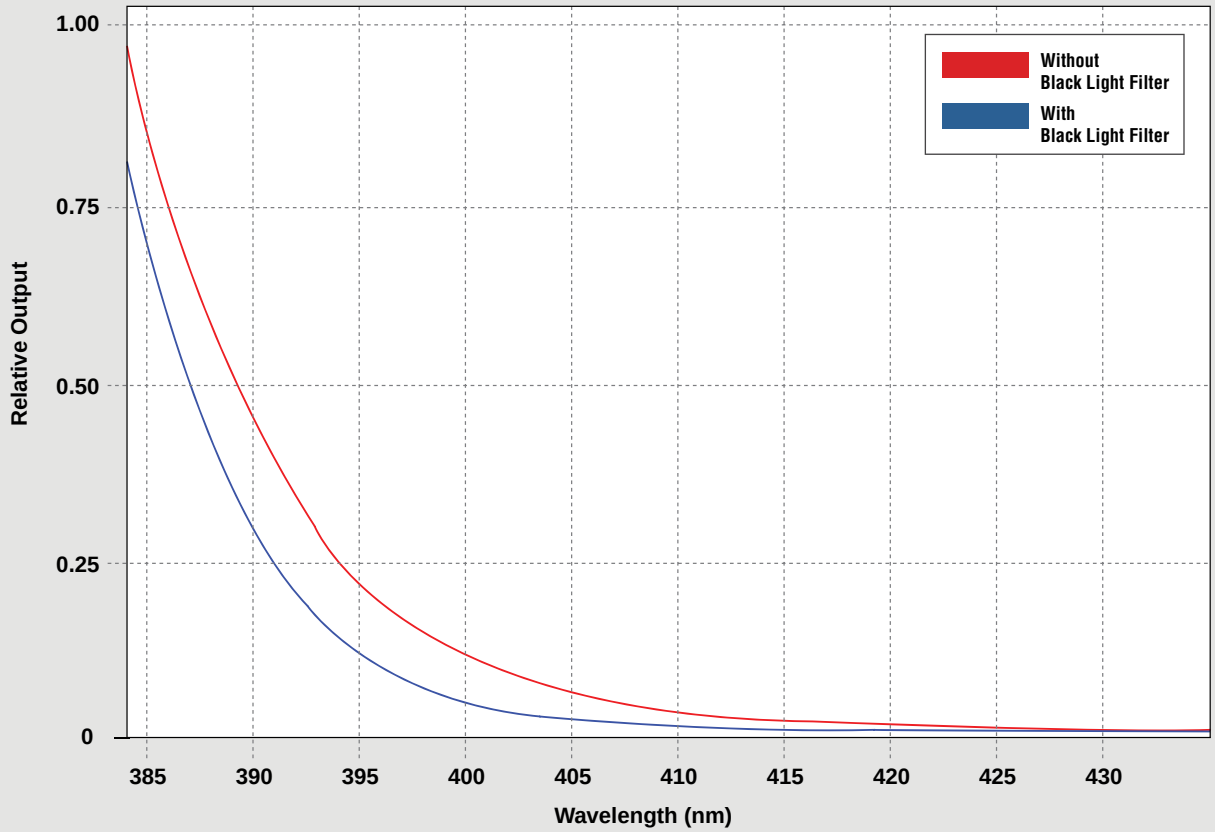
OPTI-LUX™ 365 flashlights are also available in two ***standard-intensity*** models that are designed for inspection applications requiring limited UV-A output. The **OLX-365FL** is equipped with a clear filter, while the **OLX-365BFL** comes with an internal black light filter that reduces the output of wavelengths longer than 400 nm. These lamps also offer a larger coverage area compared to high-intensity models. Both versions provide a nominal steady-state UV-A intensity of ***4,500 µW/cm²*** maximum at 15 inches (38 cm), and comply with aerospace industry standards.

UV-A BEAM PROFILE



SELECT WAVELENGTHS WITH AND WITHOUT BLACK LIGHT FILTER

As the wavelength of the OPTI-LUX™ 365 moves into the visible light range, the black light filter significantly reduces the UV-A output of the lamp by as much as 50% at 400 nm.



OPX-365

OPTIMAX™ 365 UV-A LED Inspection Flashlight

(U.S. and foreign patents pending)

Powerful, rechargeable, high-intensity UV-A inspection flashlight featuring state-of-the-art, ultra-hi-flux LED technology!

- Nominal steady-state UV-A intensity of ***18,000 µW/cm²*** at 15 inches (38 cm)
- Low visible light emission — less than 2 foot-candles (22 lux)
- Electronic Intensity Stabilizer assures consistent performance. Beam strength will not weaken between charges!
- Instant-on operation. Lamp reaches full intensity immediately!
- Rubber lamp protector prevents damage to LED head
- Ergonomic, portable and rugged. Anodized aluminum lamp body minimizes corrosion and stands up to years of heavy use.
- Powered by a rechargeable NiMH battery. Provides 90 minutes of continuous inspection between charges.

Also available: DF-365 diffusing filter (sold separately).

OPTIMAX™ 365 UV-A LED Inspection Flashlight comes complete with rubber lamp protector, smart AC and DC chargers, UV-absorbing spectacles, belt holster and padded carrying case.

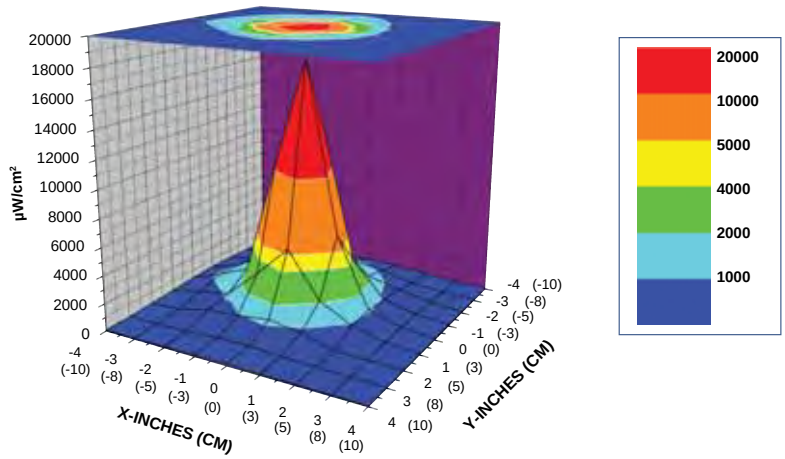
LAMP SPECIFICATIONS

Style	Cordless flashlight body with UV-A LED lamp head
Length	8.0 inch (20.3 cm)
Weight *(with Battery)*	11.8 oz (335 g)
Power Requirement	3.6V, 2 AH NiMH internal battery stick (rechargeable)
Run Time	90 minutes (continuous)
Charge Time	4 hours
Spectacles	UVS-30 UV-absorbing, clear

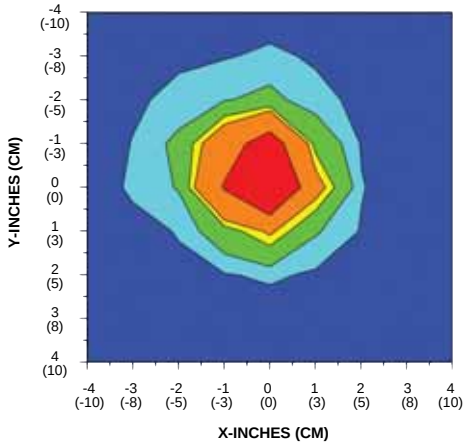
CE

UV-A BEAM PROFILE

SURFACE CONTOUR PROFILE AT 15 IN (38 CM)



TOP INTENSITY PROFILE AT 15 IN (38 CM)



OPK-300N

OPTIMAX™ Multi-Lite™ NDT Inspection Kit

(U.S. patent no. 5,905,268; foreign patents pending)

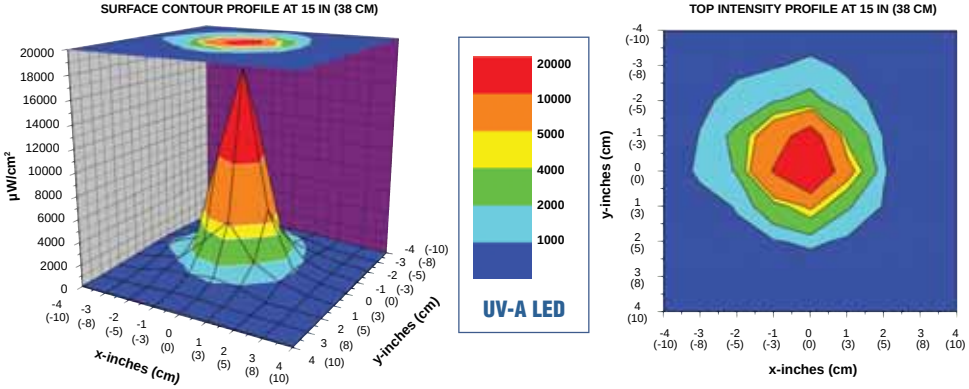
A New Powerful, Versatile, Multi-LED, NDT Light Source!

Features three Qwik-Connect™ interchangeable LED lamp heads that connect to a rugged, black-anodized flashlight body. It provides single-wavelength illumination in UV-A and blue light, and is ideal for both pre-screening of fluorescent particles in ambient light conditions and full-fledged NDT inspections utilizing magnetic particles or fluorescent penetrants. A convenient white light LED provides general illumination of dark work areas.

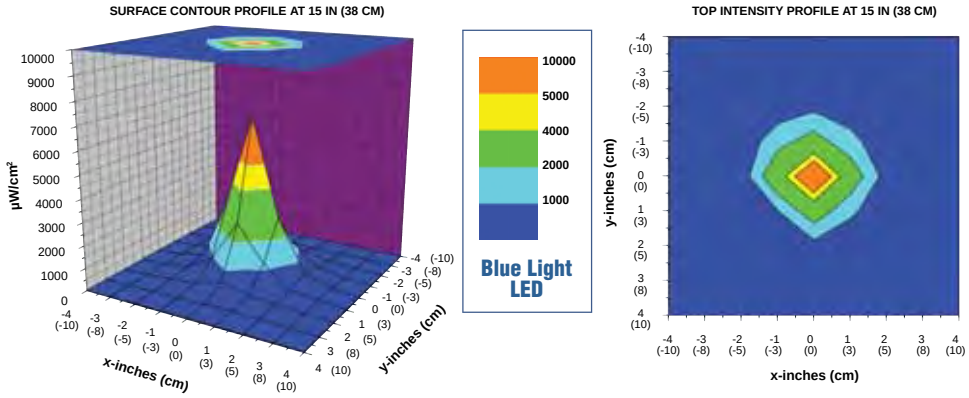
- Super-powerful LED optical output with ultra-high intensity 365 nm UV-A and 450 nm blue light performance
- Provides nominal steady-state intensity of ***18,000 µW/cm²*** (UV LED) or ***7,000 µW/cm²*** (blue light LED) at 15 inches (38 cm)
- Blue light LED with patented thin-film dichroic lens filters out long-wave visible light
- Electronic Intensity Stabilizer ensures consistent performance. Beam strength will not weaken between charges!
- Instant-on operation. Lamp reaches full intensity immediately!
- Lightweight, cordless, ergonomic design eliminates fatigue
- Powered by a rechargeable NiMH battery. Provides 90 minutes of continuous inspection between charges (smart AC and DC chargers included).

OPK-300N Multi-Lite™ Inspection Kit comes complete with three storage pouches for the LED lamp heads, smart AC and DC battery chargers, UV-absorbing spectacles, fluorescent-enhancing, yellow spectacles and a padded carrying case.

UV-A BEAM PROFILE



BLUE LIGHT BEAM PROFILE



LAMP SPECIFICATIONS

Style	Cordless flashlight body with three interchangeable LED lamp heads
Length	9.0 inch (22.9 cm)
Weight *(with Battery)*	15.3 oz (434 g)
Power Requirement	3.6V, 2 AH NiMH internal battery stick (rechargeable)
Run Time	90 minutes (continuous)
Charge Time	4 hours
Spectacles	UVS-30 UV-absorbing, clear UVS-40 fluorescent-enhancing, yellow

CE

TRI-365 Series

TRITAN™ 365 Multi-LED, Broad-Beam UV-A Inspection Lamps

Feature three ultra-hi-flux UV-A LEDs for fluorescent inspection, plus a convenient white light LED to scan for surface flaws and illuminate dark work areas. Their broad-beam configuration provides an extremely wide coverage area, while a compact head design allows access into areas inaccessible to larger UV inspection lamps.

Available in three models to meet your specific NDT inspection requirements: high-intensity, standard-intensity and standard-intensity with integral black light filters.

- Choice of one high-intensity model with a nominal steady-state UV-A intensity of ***9,000 µW/cm²*** or two standard-intensity **models, both with a** maximum UV-A intensity of less than ***5,000 µW/cm²*** at 15 inches (38 cm)
- Large 4 inch (10 cm) diameter coverage area at 15 inches (38 cm), with a minimum UV-A intensity of ***2,000 µW/cm²***
- Low visible light emission — less than 2 foot-candles (22 lux)
- Grip-mounted, three-way rocker switch (white light/off/UV) for easy control of light sources
- Built-in fans keep LEDs cool to maintain optimum light output during extended use
- Long-lasting UV-A lenses reduce the rate of solarization
- Rubber bumper with Borofloat® glass lens protects LEDs from damage
- Modular construction for easy servicing in the field
- Choice of standard 8 foot (2.4 m) or extra-long 20 foot (6.1 m) heavy-duty power cord with AC plug and rubber boot. Also available: Optional in-line power supply or industrial power supply with cord sets (sold separately).
- Meets ASTM UV-A intensity and wavelength specifications for LPT and MPT
- ***Certificate of compliance*** for both wavelength and output measurements supplied with every lamp
- UV-absorbing spectacles and soft carrying case included

TRITAN™ 365 faceplate shown with (left) and without (right) integral black light filters.

TRITAN™ 365 shown with optional PS-200A (above) and PS-300A (below) power supplies.

Model	Nominal steady-state UV-A (365 nm) intensity at 15 inches (38 cm) ①	Visible light measurement	Diameter of UV-A coverage area at 15 inches (38 cm)
TRI-365HB High intensity, with clear filter	9,000 µW/cm^2	< 2 foot-candles (22 lux)	4 inch (10 cm)
TRI-365DB Standard intensity, with clear filter	< 5,000 µW/cm^2 maximum ②	< 1 foot-candle (11 lux)	4 inch (10 cm)
TRI-365DBB Standard intensity, with integral black light filters	< 5,000 µW/cm^2 maximum ②	< 0.5 foot-candle (5 lux)	4 inch (10 cm)

Light Source:	3 UV-A LEDs, 1 White Light LED
Lamp Style:	Pistol grip
Lamp Head Diameter:	3.25 in (8.25 cm)
Length:	8.0 in (20.3 cm)
Weight:	1 lb (454 g)
White Light LED Intensity:	400 foot-candles (4,306 lux)
Power Requirements:	
AC Lamp (TRI-365DB, TRI-365DBB, TRI-365HB)	120VAC*
AC/DC Lamp (TRI-365MDB, TRI-365MDBB, TRI-365MHB)	120VAC*/12VDC
Battery Pack:	
Type	12V, NiMH (rechargeable)
Run Time	3.5 hours (continuous)
Charge Time	2 hours

*Also available in 230V, 240V and 100V versions.

① All UV-A intensity readings were taken with the Spectroline® AccuMAX™ Series meter, and are factory set to the values shown

② To address aerospace industry concerns

Also Available:

TRITAN™ 365 M-Series portable, battery-operated AC/DC lamp kits. Include TRITAN™ 365 UV lamp, rechargeable NiMH battery pack, power supply adapter with AC and DC cord sets, smart AC charger, UV-absorbing spectacles and soft carrying case.

Replacement Parts & Accessories

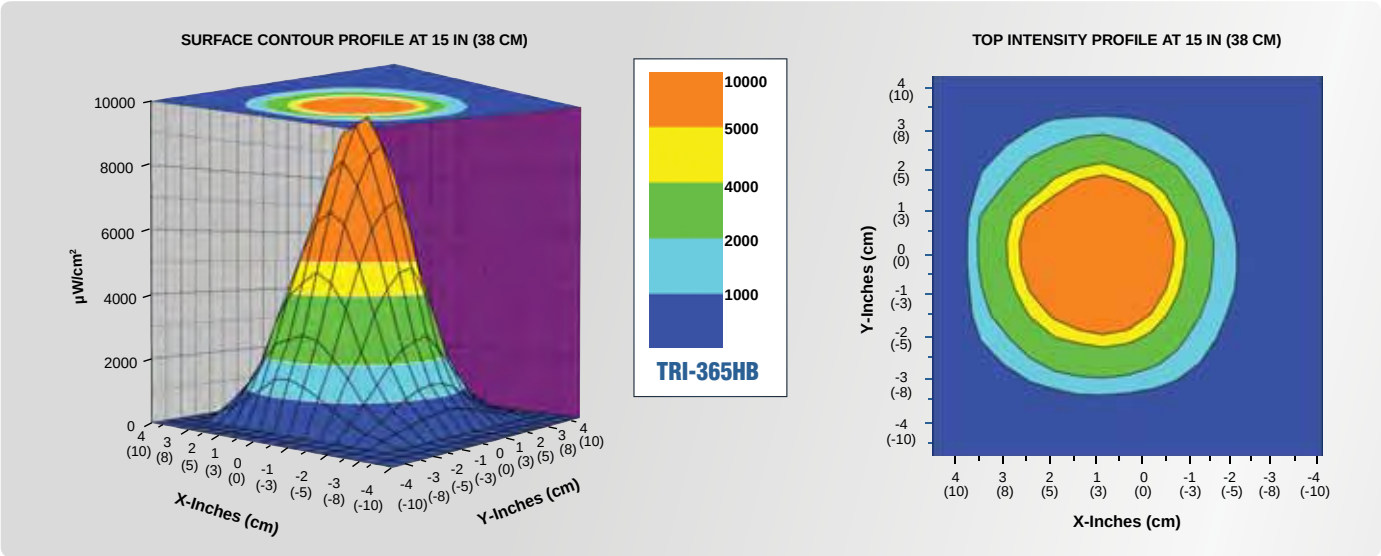
129141	Standard, 8 foot (2.4 m) AC power cord
129145	Extra-long, 20 foot (6.1 m) AC power cord
129162	3.5 foot (1.1 m) DC power cord for "M" series lamps
127933	Particulate filter assembly
127955	Standard faceplate
128196	Faceplate with integral black light filters
BP-30	Battery pack with 12V rechargeable NiMH battery
BR-150A	Smart AC charger
CC-370A	Soft carrying case
FP-365	Rubber bumper with Borofloat® glass
PSA-250A	AC/DC power supply adapter for "M" series lamps
PS-200A	Industrial power supply. Primary cord: 8 feet (2.4 m); secondary cord: 20 feet (6.1 m).
PS-300A	In-line power supply. Primary cord: 8 feet (2.4 m); secondary cord: 8 feet (2.4 m).
UL-100	UV-A Lens
UVS-30	UV-absorbing spectacles

HIGH-INTENSITY MODEL

UV-A BEAM PROFILE

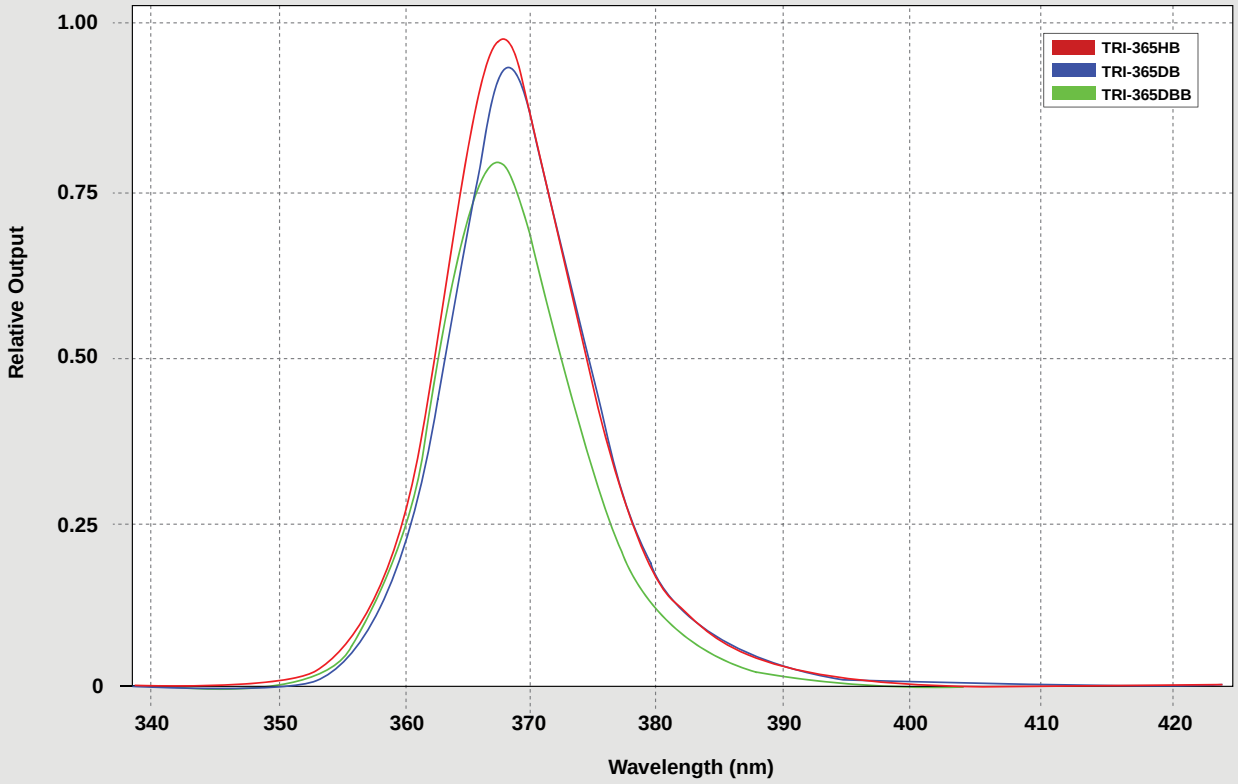
The **TRITAN™ 365** lamp is available in a ***high-intensity*** model specifically designed for NDT inspection applications requiring high UV-A output.

The **TRI-365HB** comes equipped with a clear glass fi lter and is "tuned" to provide a nominal steady-state UV-A intensity of ***9,000 µW/cm²*** at 15 inches (38 cm).



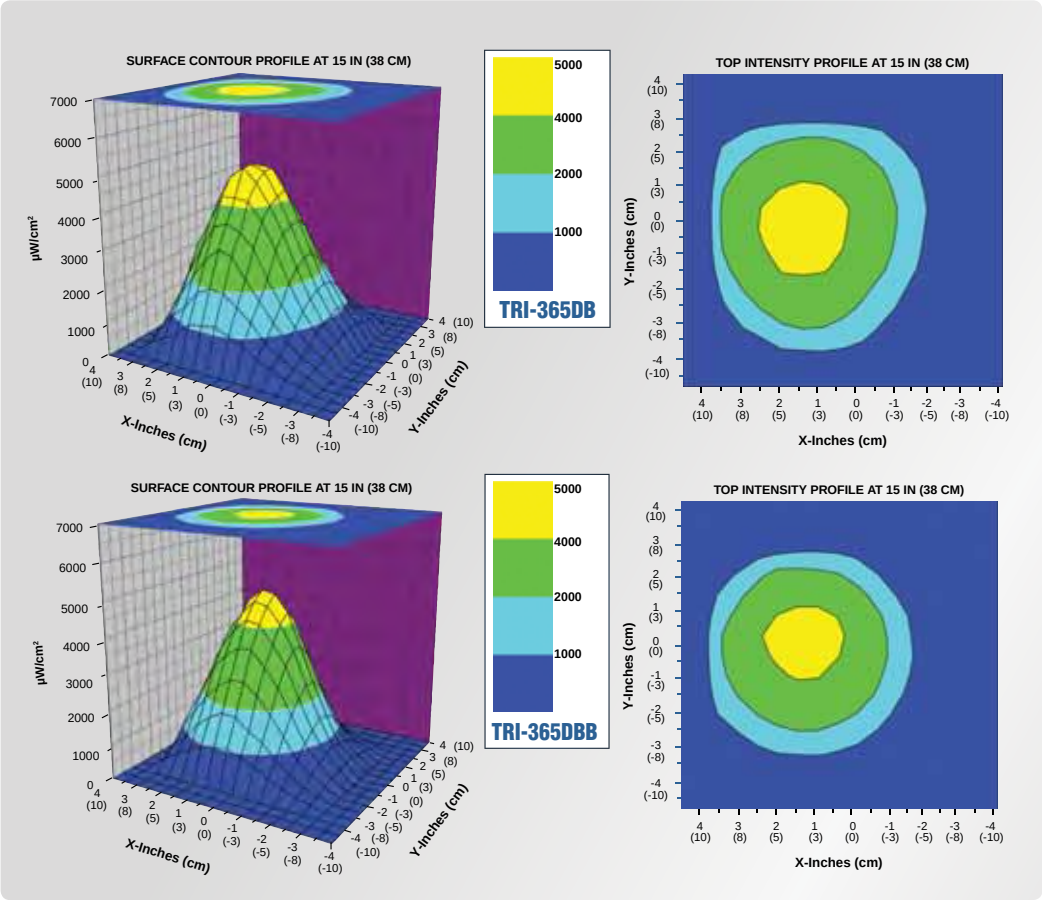
NORMALIZED UV IRRADIANCE

Typical wavelength output profile of TRITAN™ 365 Series with and without integral black light filters.



STANDARD-INTENSITY MODELS

UV-A BEAM PROFILES

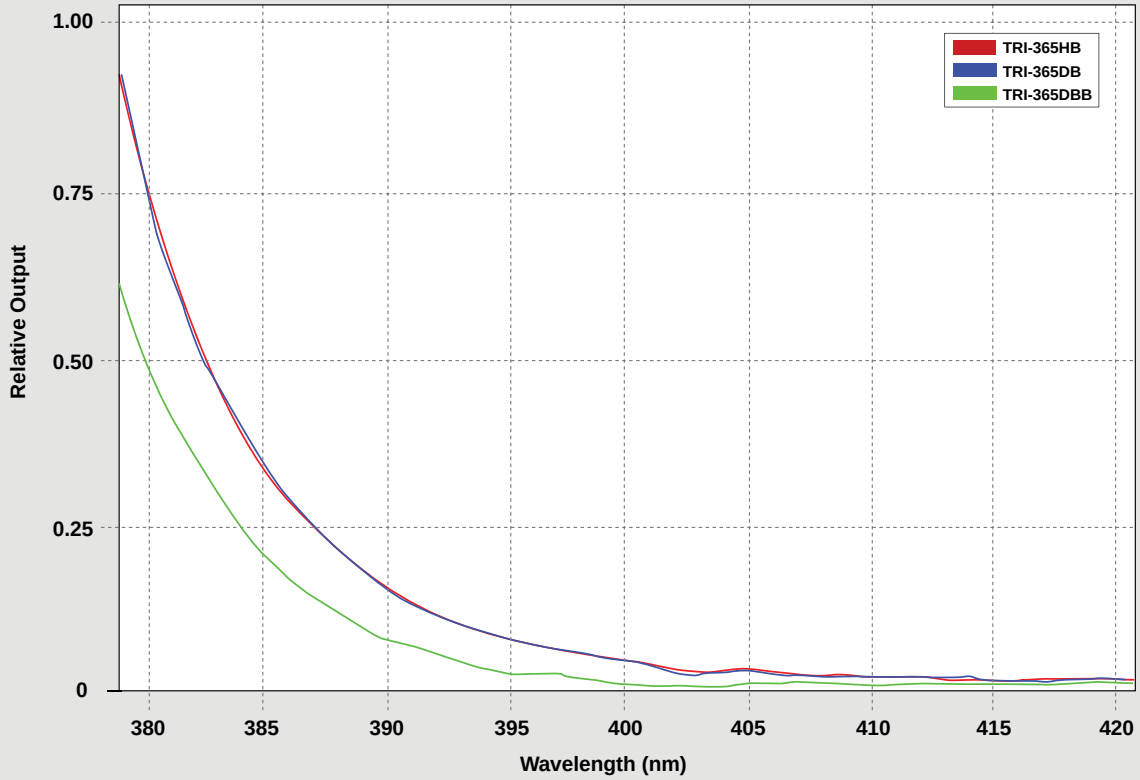


The **TRITAN™ 365** lamp is also available in two ***standard-intensity*** models that are designed for inspection applications requiring limited UV-A output.

The **TRI-365DB** is fitted with a clear glass filter. The **TRI-365DBB** is equipped with a faceplate with integral black light filters that cover each of the LEDs and reduce the output of wavelengths longer than 400 nm. This addresses aerospace industry concerns.

Both versions are "tuned" to ensure that they provide a maximum steady-state UV-A intensity of less than ***5,000 µW/cm²*** at 15 inches (38 cm).

SELECT WAVELENGTHS WITH AND WITHOUT BLACK LIGHT FILTER



As the wavelength of the TRITAN™ 365 moves into the visible light range, the black light filters significantly reduce the output of the lamp at 400 nm.

TRI-365SBLC

TRITAN™ 365 UV-A Inspection Lamp

Certified to Meet Rolls-Royce RRES 90061 Requirements

Key Features:

- Nominal steady-state UV-A intensity of less than *5,000 µW/cm²* at 15 inches (38 cm).
- Large 4 inch (10 cm) diameter coverage area at 15 inches (38 cm), with a minimum UV-A intensity of *2,500 µW/cm²*.
- Low visible light emission—less than 0.5 foot-candle (5 lux).
- Long-lasting UV-A lenses reduce the rate of solarization.
- Thermal cut-off circuitry prevents lamp from going out of compliance when internal temperature exceeds specifications.
- Certificate of compliance and ***full serialized validation report*** for both output and wavelength measurements supplied with each lamp.

TRI-365

- Faceplate with integral blacklight filters reduce output of wavelengths longer than 400 nm.
- White light LED allows for scanning of surface flaws or illuminating dark work spaces.
- Grip-mounted, three-way rocker switch (white light/off/UV) for easy control of light sources.
- Built-in fans keep LEDs cool to maintain optimum light output during extended use.
- Choice of standard 8 foot (2.4 m) or extra-long 20 foot (6.1 m) heavy-duty power cord with AC plug and rubber boot.
- Meets ASTM UV-A intensity and wavelength specifications for LPT and MPT.
- UV-absorbing spectacles and soft carrying case included.

Model	Nominal steady-state UV-A (365 nm) intensity at 15 inches (38 cm) ①	Visible light measurement	Diameter of UV-A coverage area at 15 inches (38 cm)
TRI-365SBLC	< 5,000 µW/cm^2 maximum	< 0.5 foot-candle (5 lux)	4 inch (10 cm)

Light Source:	3 UV-A LEDs, 1 White Light LED
Lamp Style:	Pistol grip
Lamp Head Diameter:	3.25 in (8.25 cm)
Length:	8.0 in (20.3 cm)
Weight:	1 lb (454 g)
White Light LED Intensity:	400 foot-candles (4,306 lux)
Power Requirements:	120VAC* Power Cord

*Also available in 230V, 240V and 100V versions.

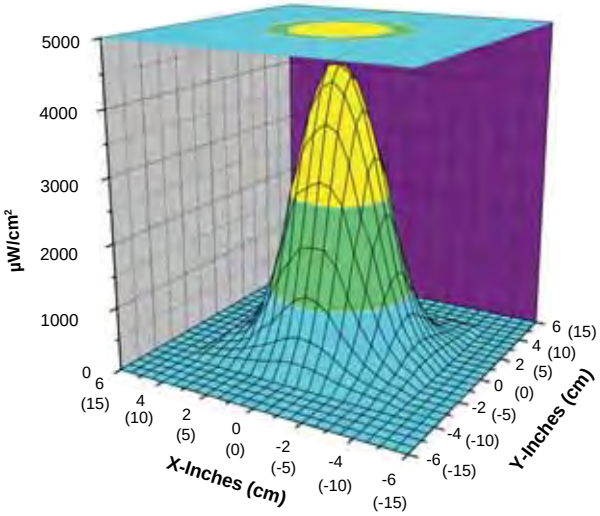
① All UV-A intensity readings were taken with the Spectroline® AccuMAX™ Series meter, and are factory set to the values shown

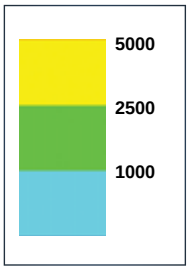
FULL SERIALIZED VALIDATION REPORT

CERTIFICATE OF COMPLIANCE

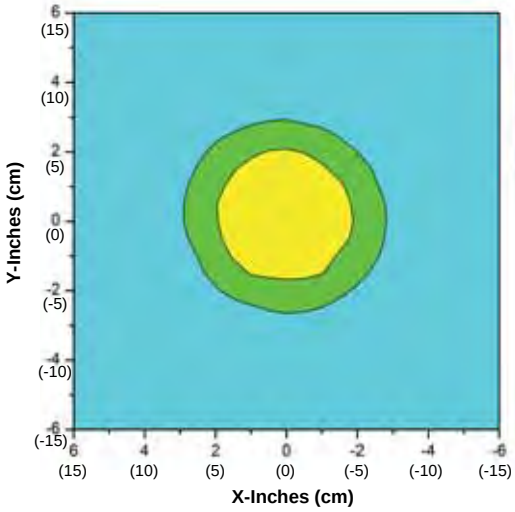
UV-A BEAM PROFILE

SURFACE CONTOUR PROFILE AT 15 IN (38 CM)





TOP INTENSITY PROFILE AT 15 IN (38 CM)



QDR-365 Series

QUADRAN™ 365

Versatile, Dual-Intensity, Multi-LED, Broad-Beam NDT Inspection Lamps!

Feature four ultra-hi-flux UV-A LEDs plus a convenient white light LED to quickly switch between fluorescent inspection and flaw location. A unique dual-intensity feature provides both high and standard UV-A *and* white light output for added versatility.

The lamps' broad-beam configuration produces an extremely wide coverage area, making them ideal for both in-line and hand-held applications. Models are available either with or without integral black light filters to meet *your* specific inspection requirements.

The **QUADRAN™ 365** can be quickly mounted for in-line inspections using various Spectroline® accessories (FA-100 flexible arm shown).

- Dual-intensity capability: High setting produces a nominal steady-state UV-A intensity as high as ***8,000 µW/cm²***; standard setting produces a nominal steady-state intensity of ***4,500 µW/cm²***, both at 15 inches (38 cm)
- Extremely large coverage area of up to 6 inches (15 cm), with a minimum UV-A intensity of ***2,000 µW/cm²***
- Low visible light emission — less than 2 foot-candles (22 lux)
- Conveniently located rocker switches for quick and easy control of light sources
- Built-in fan keeps LEDs cool to maintain optimum light output during extended use
- Rubber bumper with Borofloat® glass lens protects LEDs from damage
- Rugged, modular construction allows for easy field serviceability
- Lamp handle pin receptacle allows for easy attachment of various Spectroline® mounting accessories for in-line inspection applications (accessories sold separately)
- Choice of standard 8 foot (2.4 m) or extra-long 20 foot (6.1 m) heavy-duty power cord with AC plug and rubber boot. Also available: Optional industrial power supply or in-line power supply with cord sets (sold separately).
- UV-absorbing spectacles and soft carrying case included

QUADRAN™ 365 faceplate shown with (top) and without (bottom) integral black light filters.

Model	Nominal steady-state UV-A (365 nm) intensity at 15 inches (38 cm) ①	Visible light measurement	UV-A coverage area (at minimum 2,000 µW/cm²)
QDR-365A Standard Intensity, with clear filter	4,500 µW/cm² maximum	< 1 foot-candle (11 lux)	5 in (13 cm)
High Intensity, with clear filter	8,000 µW/cm²	< 2 foot-candles (22 lux)	6 in (15 cm)
QDR-365BLA Standard Intensity, with intergral black light filters	4,500 µW/cm² maximum	< 0.5 foot-candle (5 lux)	4 in (10 cm)
High Intensity, with intergral black light filters	7,000 µW/cm²	< 1 foot-candle (11 lux)	6 in (15 cm)

Light Source: 4 UV-A LEDs, 1 White Light LED
Lamp Style: Pistol grip
Lamp Head (WxH): 6 x 5.5 in (15 x 14 cm)
Length: 10 in (25 cm)
Weight: 3 lb (1.36 kg)
White Light LED Intensity:
High setting: 300 foot-candles (3,229 lux)
Low setting: 10 foot-candles (108 lux)

Power Requirement:
AC Lamp
(QDR-365A, QDR-365BLA) 120VAC* power cord supplied with lamp
AC/DC Lamp
(QDR-365MA, QDR-365MBLA) 120VAC*/12VDC
Battery Pack:
Type 12V, NiMH (rechargeable)
Run Time
High intensity: 2.5 hours (continuous)
Standard intensity: 4.5 hours (continuous)
Charge Time 2 hours

*Also available in 230V, 240V and 100V versions.

① All UV-A intensity readings were taken with Spectroline® AccuMAX™ Series meter, and are factory set to the values shown

Also Available:

QUADRAN™ 365 M-Series portable, battery-operated AC/DC lamp kits. Include QUADRAN™ 365 UV lamp, rechargeable NiMH battery pack, power supply adapter with AC and DC cord sets, smart AC charger, UV-absorbing spectacles and soft carrying case.

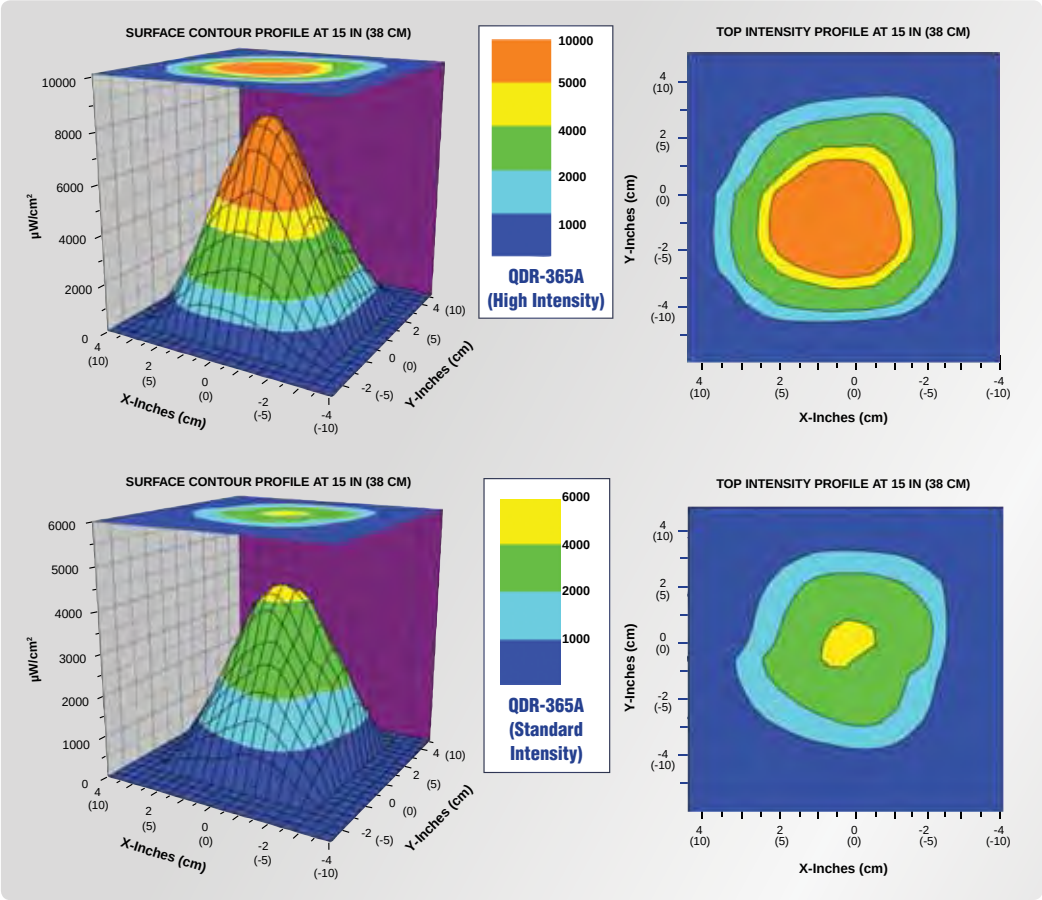
QDR-365A MODELS

UV-A BEAM PROFILES

When the **QDR-365A** is in ***high intensity*** mode, the lamp provides a nominal steady-state UV-A intensity of ***8,000 µW/cm²*** at 15 inches (38 cm).

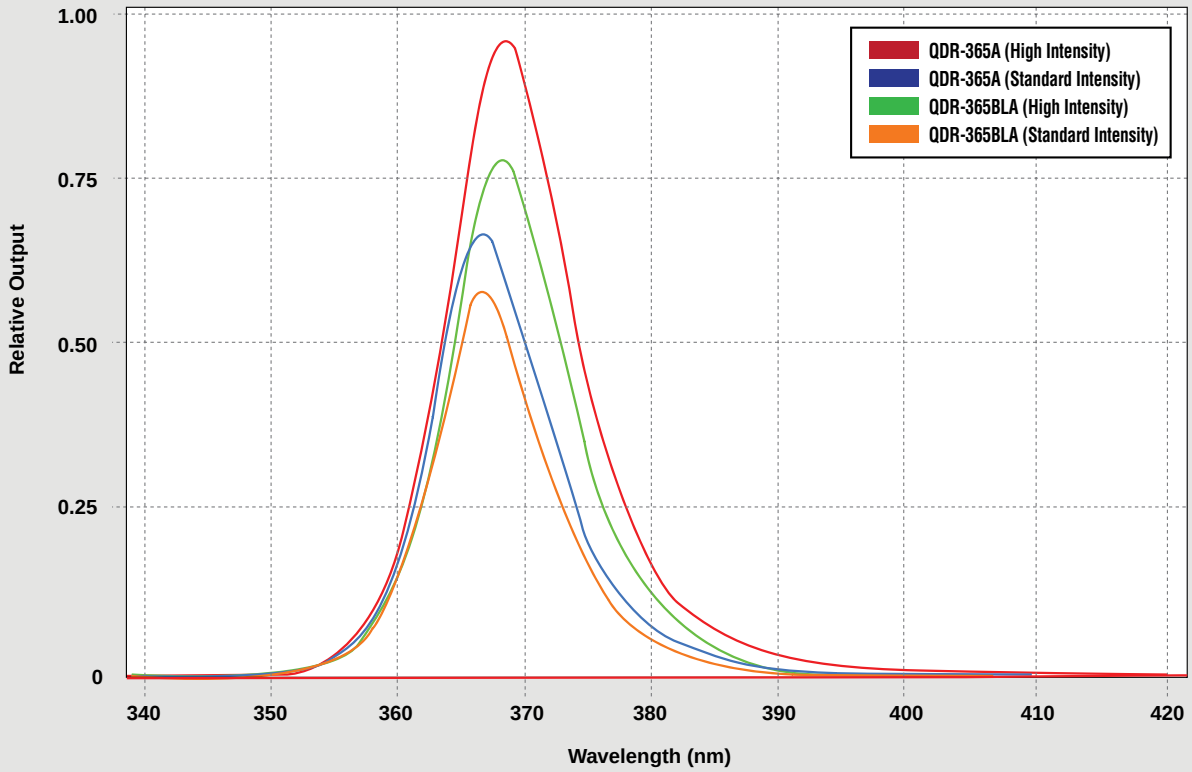
When switched to the ***standard intensity*** mode, the **QDR-365A** provides a nominal steady-state UV-A intensity of ***4,500 µW/cm²*** at 15 inches (38 cm).

In addition, the lamp has a high/low switch to control the white light LED output.



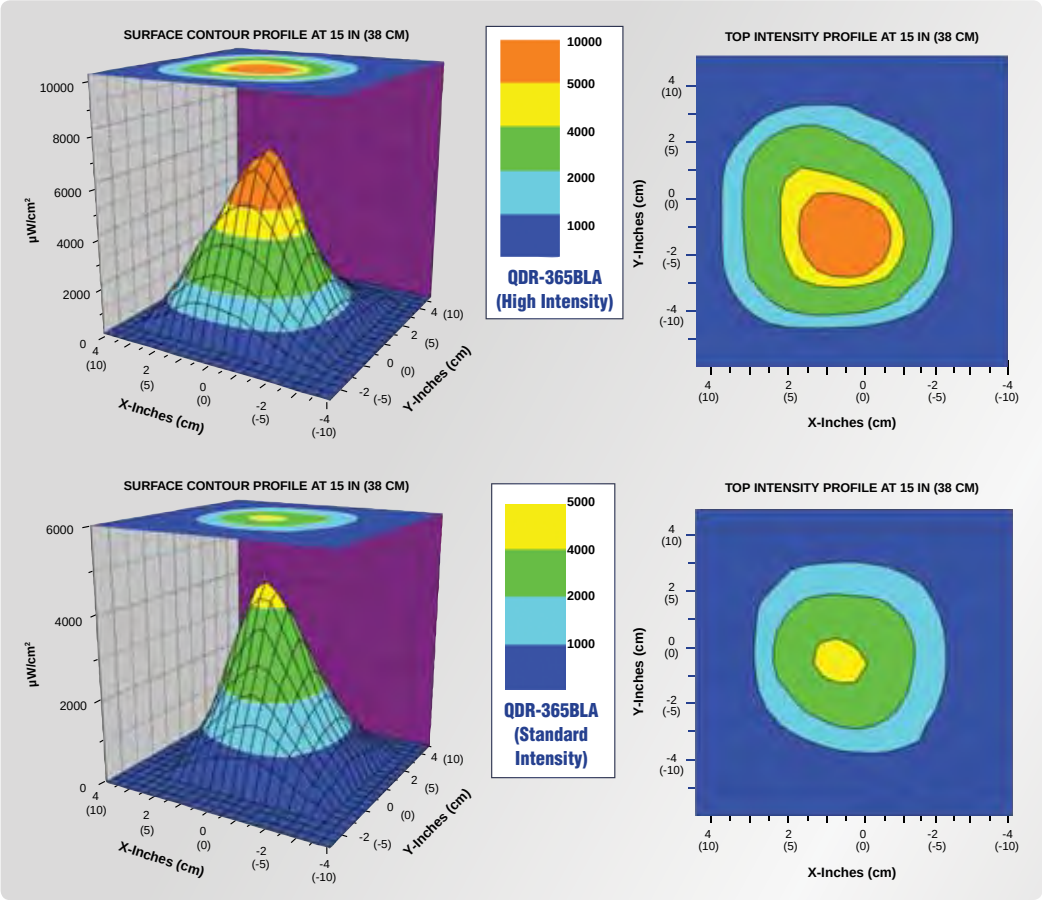
NORMALIZED UV IRRADIANCE

Typical wavelength output profile of QUADRAN™ 365 with and without intergral black light filters, with peak at 365 nm.



QDR-365BLA MODELS

UV-A BEAM PROFILES

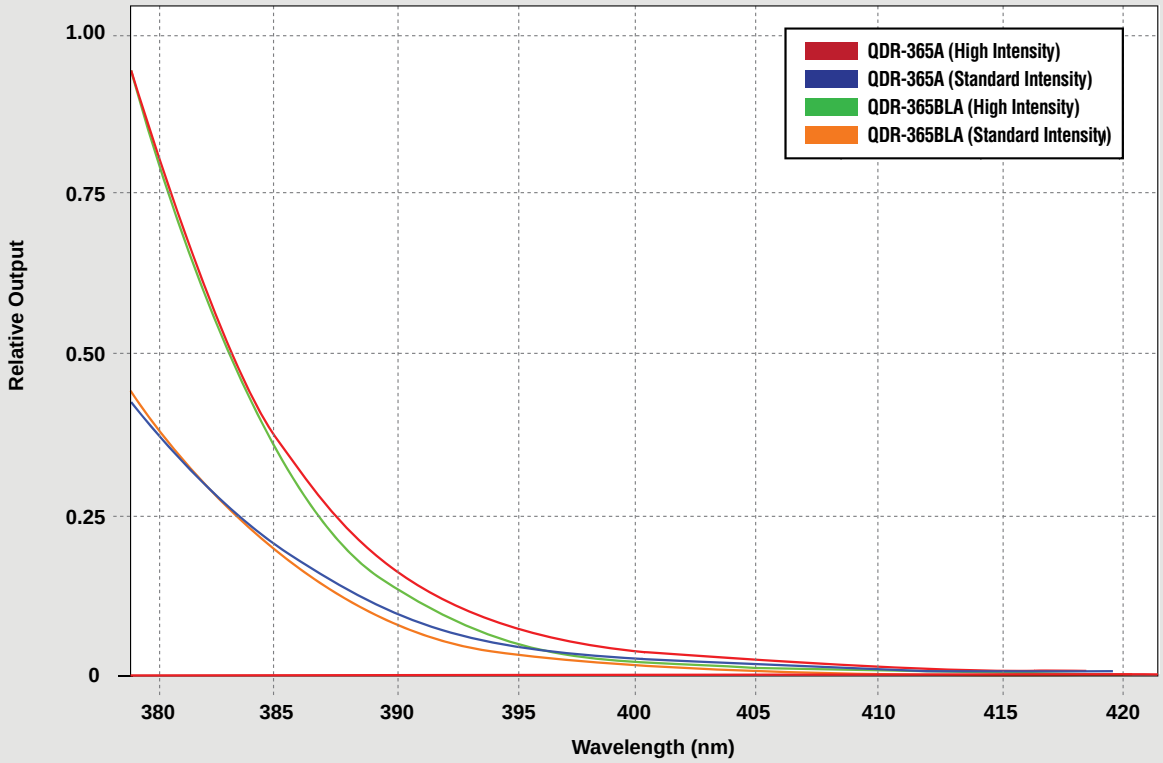


The **QDR-365BLA** is equipped with a faceplate with integral black light filters that reduce the output of wavelengths longer than 400 nm. When in the ***high intensity*** mode, the lamp provides a nominal steady-state UV-A intensity of ***7,000 µW/cm²*** at 15 inches (38 cm).

When switched to the ***standard intensity*** mode, the **QDR-365BLA** provides a nominal steady-state standard UV-A intensity of ***4,500 µW/cm²*** at 15 inches (38 cm).

In addition, the lamp has a high/low switch to control the white light LED output.

SELECT WAVELENGTHS WITH AND WITHOUT BLACK LIGHT FILTER



As the wavelength of the QUADRAN™ 365 moves into the visible light range, the black light filters significantly reduce the output of the lamp at 400 nm.

QDR-365 S-Series

QUADRAN™ 365

Powerful, Multi-LED, Broad-Beam NDT Inspection Lamps!

Feature four ultra-hi-flux UV-A LEDs plus a convenient white light LED to quickly switch between fluorescent inspection and flaw location. For increased flexibility, a unique dual-intensity feature provides high/low white light output control.

The lamps' broad-beam configuration produces an extremely wide coverage area, making them ideal for both in-line and hand-held applications. Two models are available, either with or without integral black light filters to meet *your* specific NDT inspection requirements.

QUADRAN™ 365 S-Series lamps can be quickly mounted for in-line inspections using various Spectroline® accessories *(FA-100 flexible arm shown)*.

- Choice of two models, both with a maximum standard UV-A intensity of ***4,500 µW/cm²*** at 15 inches (38 cm)
- Extremely large coverage area of up to 5 inches (13 cm), with a minimum UV-A intensity of ***2,000 µW/cm²***
- Low visible light emission — less than 1 foot-candle (11 lux)
- Conveniently located rocker switches for quick and easy control of light sources
- Built-in fan keeps LEDs cool to maintain optimum light output during extended use
- Long-lasting UV-A lenses reduce the rate of solarization
- Rubber bumper with Borofloat® glass lens protects LEDs from damage
- Rugged, modular construction allows for easy field serviceability
- Lamp handle pin receptacle allows for easy attachment of various Spectroline® mounting accessories for in-line inspection applications (accessories sold separately)
- Choice of standard 8 foot (2.4 m) or extra-long 20 foot (6.1 m) heavy-duty power cord with AC plug and rubber boot. Also available: Optional industrial power supply or in-line power supply with cord sets (sold separately).
- Meets ASTM UV-A intensity and wavelength specifications for LPT and MPT
- ***Certificate of compliance*** for both wavelength and output measurements supplied with every lamp
- UV-absorbing spectacles and soft carrying case included

QUADRAN™ 365 S-Series faceplate shown with (top) and without (bottom) integral black light filters.

Model	Nominal steady-state UV-A (365 nm) intensity at 15 inches (38 cm) ①	Visible light measurement	UV-A coverage area (at minimum 2,000 µW/cm²)
QDR-365SA	4,500 µW/cm² maximum ②	< 1 foot-candle (11 lux)	5 in (13 cm)
QDR-365SBLA With integral black light filters	4,500 µW/cm² maximum ②	< 0.5 foot-candle (5 lux)	4 in (10 cm)

Light Source: 4 UV-A LEDs, 1 White Light LED
Lamp Style: Pistol grip
Lamp Head (WxH): 6 x 5.5 in (15 x 14 cm)
Length: 10 in (25 cm)
Weight: 3 lb (1.36 kg)
White Light LED Intensity:
High setting: 300 foot-candles (3,229 lux)
Low setting: 10 foot-candles (108 lux)

Power Requirement:
AC Lamp
(QDR-365SA, QDR-365SBLA) 120VAC* power cord supplied with lamp
AC/DC Lamp
(QDR-365MSA, QDR-365MSBLA) 120VAC*/12VDC
Battery Pack:
Type 12V, NiMH (rechargeable)
Run Time 4.5 hours (continuous)
Charge Time 2 hours

*Also available in 230V, 240V and 100V versions.

① All UV-A intensity readings were taken with Spectroline® AccuMAX™ Series meter, and are factory set to the values shown
② To address aerospace industry concerns

Also Available:

QUADRAN™ 365 MS-Series portable, battery-operated AC/DC lamp kits. Include QUADRAN™ 365 UV lamp, rechargeable NiMH battery pack, power supply adapter with AC and DC cord sets, smart AC charger, UV-absorbing spectacles and soft carrying case.

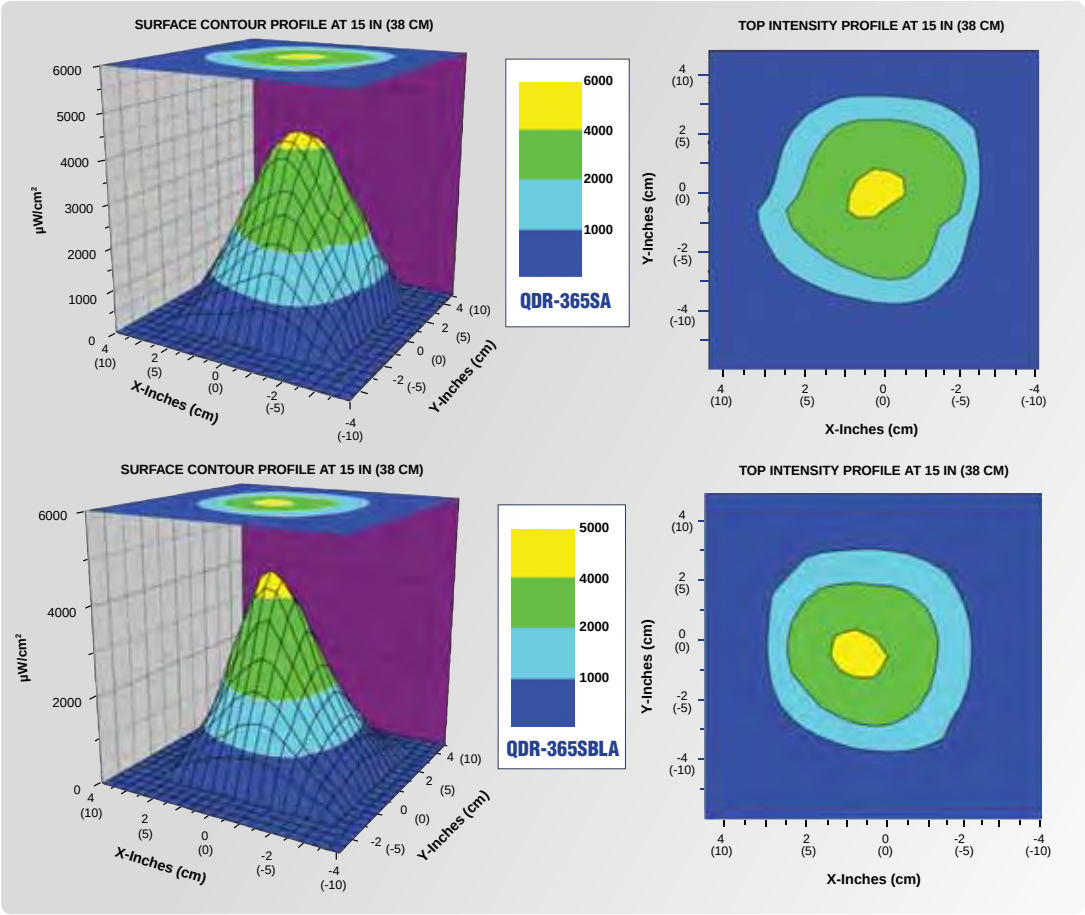
UV-A BEAM PROFILES

QUADRAN™ 365 S-Series lamps are available in two models (**QDR-365SA** and **QDR-365SBLA**).

Both are designed for NDT inspection applications requiring limited UV-A output. The **QDR-365SA** comes with a standard faceplate. The **QDR-365SBLA** is equipped with a faceplate containing integral black light filters that reduce the output of wavelengths longer than 400 nm.

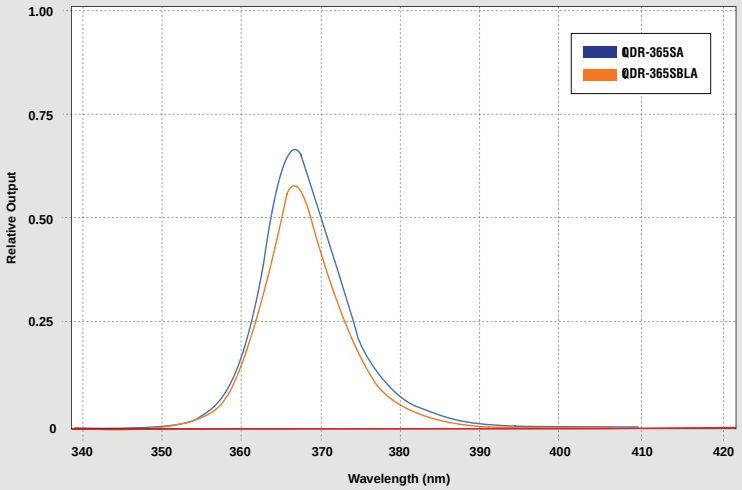
Both lamps are "tuned" to provide a nominal steady-state UV-A intensity of ***4,500 µW/cm²*** at 15 inches (38 cm). This addresses aerospace industry concerns.

In addition, both lamps have a high/low switch to control the white light LED output.



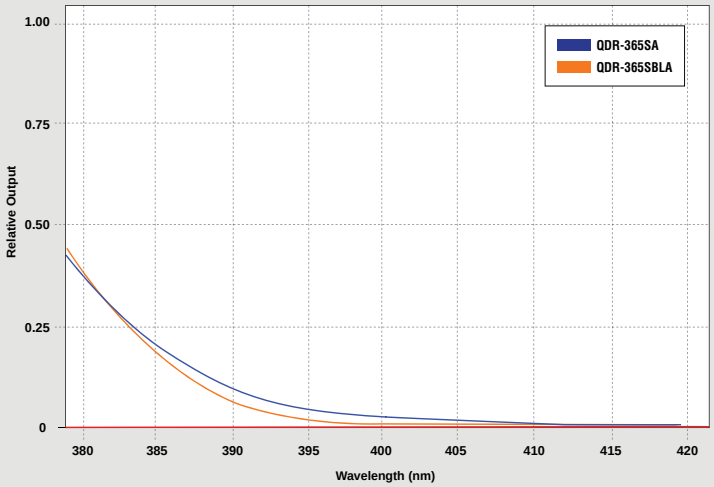
NORMALIZED UV IRRADIANCE

Typical wavelength output profile of QUADRAN™ 365 S-Series lamps with and without black light filters.



SELECT WAVELENGTHS WITH AND WITHOUT BLACK LIGHT FILTER

As the wavelength of the QUADRAN™ 365 S-Series moves into the visible light range, the black light filters significantly reduce the output of the lamp at 400 nm.



All QUADRAN™ 365 S-Series lamps are ideal for performing both in-line and hand-held inspections!

Each lamp can easily be attached to a variety of Spectroline® mounting accessories, as well as to our optional in-line power supplies.

QUADRAN™ 365 lamp shown with optional PS-200A (left) and PS-300A (right) power supplies.

Replacement Parts & Accessories for the QDR-365 & QDR-365 S-Series

129141	Standard, 8 foot (2.4 m) AC power cord
129145	Extra-long, 20 foot (6.1 m) AC power cord
129162	3.5 foot (1.1 m) DC power cord for "M" series lamps
127922	Particulate filter assembly
127944	Standard faceplate
128094	Faceplate with integral black light filters
B-6	Bench mount
BP-30	Battery pack with 12V rechargeable NiMH battery
BR-150A	Smart AC charger
CC-400	Soft carrying case
FA-100	Flexible arm
FP-550	Rubber bumper with Borofloat® glass
PSA-250A	AC/DC power supply adapter for "M" series lamps
PS-200A	Industrial power supply. Primary cord: 8 feet (2.4 m); secondary cord: 20 feet (6.1 m).
PS-300A	In-line power supply. Primary cord: 8 feet (2.4 m); secondary cord: 8 feet (2.4 m).
W-6	Wall mount with pin
WM-100	Wall mounting bracket
UL-100	UV-A Lens
UVS-30	UV-absorbing spectacles

EK-3000

UV-A/White Light LED Inspection Kit

(U.S. patent: 8,616,722; CN patent ZL201010265212.4)

Palm-Sized, Cool-Running, Hands-Free Light Source!

Ideal for fluorescent magnetic particle and penetrant testing, mining inspection and a variety of other specialized applications!

Spray and inspect in one simple step!

- Compact, lightweight lamp with two ultra-high intensity UV-A (365 nm) LEDs for inspection, plus a three-LED white light assembly for general illumination
- Adjustable strap allows lamp to be worn on a hard hat or directly on the head for hands-free operation
- Unique lamp mount/sprayer attachment permits lamp and spray can to be mounted together for convenient, single-handed fluorescent yoke inspection
- Built-in fan keeps lamp cool to maintain optimum UV-A intensity during extended use
- Long-lasting UV-A lenses reduce the rate of solarization
- Splash guard with integral particulate filter protects UV lenses and cooling fan from damage
- Powered by a rechargeable lithium-ion battery (included). Provides up to 75 minutes of continuous inspection between charges.
- ***Certificate of compliance*** for both wavelength and output measurements supplied with every lamp

EK-3000 EagleEye™ Kit comes with a lanyard, two replacement splash guards with integral particulate filters, two spare batteries, battery charging cradle with AC and DC cord sets, UV-absorbing spectacles and soft carrying case.

LAMP SPECIFICATIONS

Product Number:
EE-365

Light Sources:
2 UV LEDs, 3 white light LEDs

Dimensions:
Length 3.75 in (9.5 cm)
Width 2.25 in (5.7 cm)
Height 1.85 in (4.7 cm)

Weight with Battery: 8 oz (227 g)

Power Requirement:
One 3.7V 2200mA/Hr lithium-ion battery (rechargeable)

Run Time:
75 minutes (continuous)

Charge Time:
4 hours (two batteries)

Charging Cradle:
Two-battery capability with AC and DC cord sets.

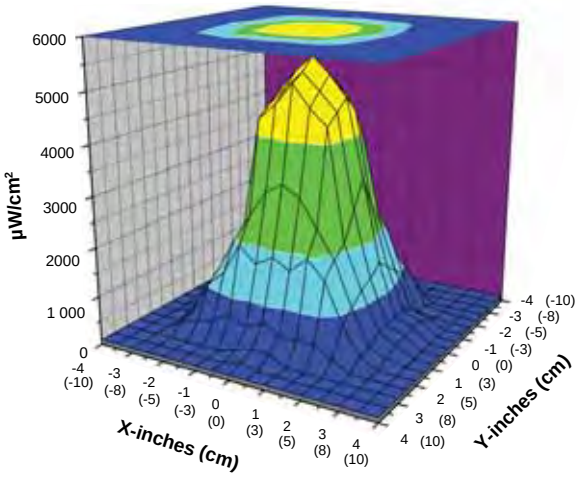
Nominal Steady-State UV-A (365 nm) Intensity:
6 in (15 cm) — 20,000 µW/cm²
15 in (38 cm) — 4,500 µW/cm²
24 in (61 cm) — 2,000 µW/cm²
36 in (91 cm) — 1,000 µW/cm²

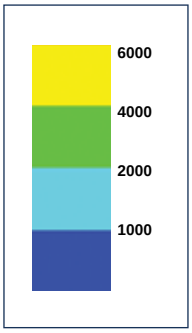
NOTE: All UV-A intensity readings taken with a Spectroline® AccuMAX™ Series meter

CE

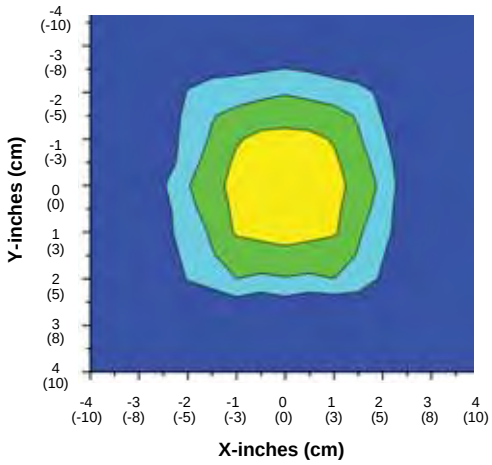
UV-A BEAM PROFILE

SURFACE CONTOUR PROFILE AT 15 IN (38 CM)





TOP INTENSITY PROFILE AT 15 IN (38 CM)



Replacement Parts & Accessories

EE-365	UV-A/white light LED lamp
LMS-100	Lamp mount/sprayer
HS-100	Head strap
SG-100	Splash guard with integral particulate filter (set of three)
128217	Battery charging cradle with AC cord
128225	DC cord set for 128217
127568	Lithium-ion battery (rechargeable)
UL-100	UV-A Lens
UVS-30	UV-absorbing spectacles
CC-370A	Soft carrying case

PM-1600 Series

PowerMAX™ 365

UV-A LED Panel Flood Lamps
Designed Specifically for NDT Professionals!

PowerMAX™ 365 Series flood lamps feature a panel of 16 powerful UV-A (365 nm) LEDs specially engineered for non-destructive testing applications. These versatile, stationary light sources can be installed overhead or in-line, and can be ganged together to provide an even wider coverage area.

Available in four models to meet your specific inspection needs: high-intensity and standard-intensity versions, each with or without a black light filter. Ideal for NDT inspection booths, fluorescent penetrant and magnetic particle inspection, screening of fluorescent particles, wash station inspection and many other applications requiring maximum uniformity of UV-A coverage over a large area.

- Choice of two high-intensity models with a nominal steady-state UV-A intensity as high as ***8,000 µW/cm²*** or two standard-intensity models with a maximum UV-A intensity of ***4,500 µW/cm²*** at 15 inches (38 cm)
- Large coverage area of 15 inches by 6 inches (38 cm x 15 cm), with a minimum UV-A intensity of ***2,000 µW/cm²***
- Low visible light emission — less than 2 foot-candles (22 lux)
- Easily mountable for overhead inspection or in-line applications
- Built-in fans keep LEDs cool to maintain optimum light output during extended use
- Customizable — multiple lamp units can be "ganged" together longitudinally or back-to-back for a larger coverage area to meet *your* specific inspection requirements!
- Both high- and standard-intensity versions available with or without black light filter
- Standard-intensity lamps meet ASTM UV-A intensity and wavelength specifications for LPT and MPT, and come with a ***certificate of compliance*** for both wavelength and output measurements

Model	Nominal steady-state UV-A (365 nm) intensity at 15 inches (38 cm) ①	Visible light measurement	UV-A coverage area (at minimum 2000 µW/cm²)
PM-1600UVH High intensity, with clear filter	8,000 µW/cm²	< 2 foot-candles (22 lux)	15 in by 6 in (38 cm x 15 cm)
PM-1600BLH High intensity, with black light filter	6,500 µW/cm²	< 1 foot-candle (11 lux)	15 in by 6 in (38 cm x 15 cm)
PM-1600UV Standard intensity, with clear filter	4,500 µW/cm² maximum ②	< 1 foot-candle (11 lux)	15 in by 6 in (38 cm x 15 cm)
PM-1600BL Standard intensity, with black light filter	4,000 µW/cm² maximum ②	< 0.5 foot-candle (5 lux)	15 in by 6 in (38 cm x 15 cm)

For applications requiring extremely large coverage areas, the PowerMAX™ 365 can be quickly ganged together longitudinally (top) or back-to-back (below) using customized, easy-to-install connecting plates and brackets.

Light Source: 16 UV-A (365 nm) LEDs

Lamp Style: Panel flood lamp

Dimensions: (W x L x H) 5.5 x 13.75 x 6 in (14 x 35 x 15 cm)

Weight: 9 lb (4 kg)

Power Requirement: AC power (main AC power cord supplied with the unit)

① All UV-A intensity readings were taken with Spectroline® AccuMAX™ Series meter, and are factory set to the values shown

② To address aerospace industry concerns

CE

Replacement Parts & Accessories

128177	AC power cord
BF-365PM	Black light filter assembly
CF-100	Clear glass filter assembly
127918	Particulate air filter
127935	Retainer, LED assembly face plate
CC-200	Connector cable for ganging lamps
CP-100	Top connecting plate for ganging lamps longitudinally
CP-200	Top connecting plate for ganging lamps back-to-back (Two required)
CP-300	Side connecting bracket for ganging lamps longitudinally (Two required)
UL-100	UV-A lens
UVF-80	Face shield, UV-absorbing
UVG-50	Goggles, UV-absorbing
UVS-30	Spectacles, UV-absorbing

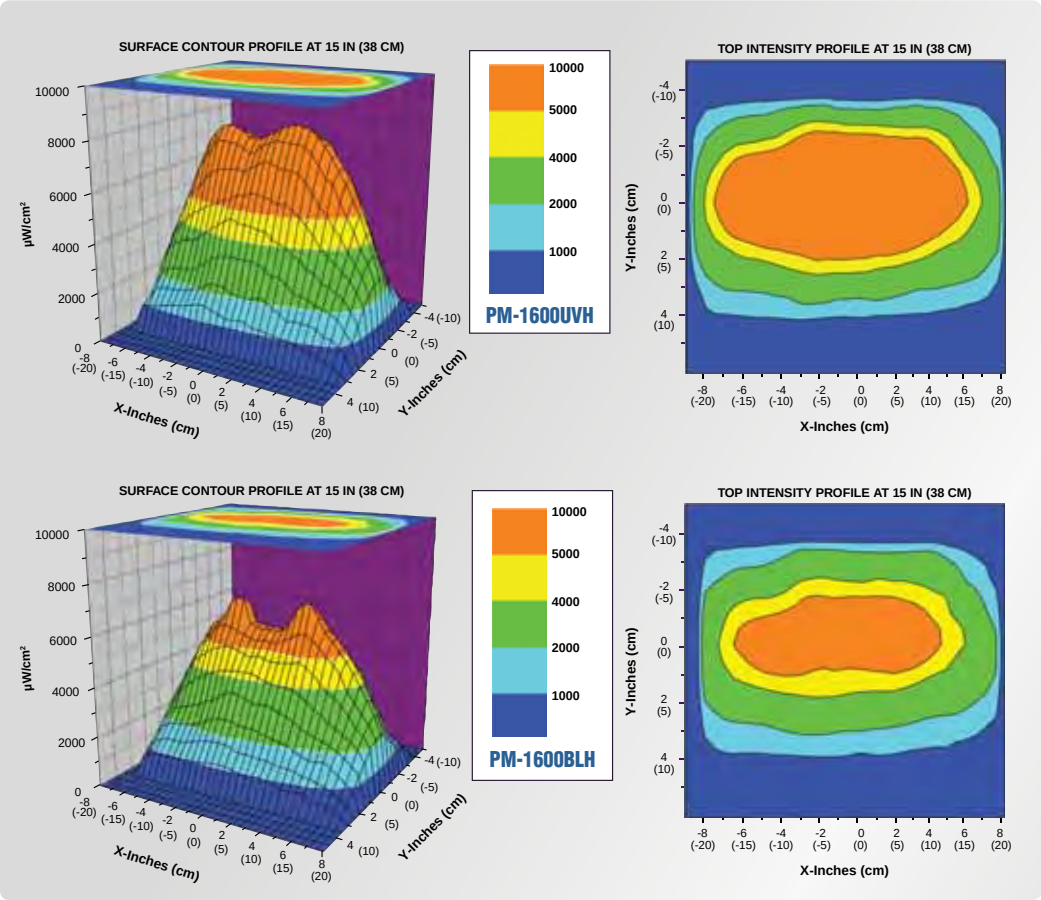
HIGH-INTENSITY MODELS

UV-A BEAM PROFILES

PowerMAX™ 365 Series UV-A LED panel flood lamps are available in two ***high-intensity*** models that are specifically designed for NDT inspection applications requiring high UV-A output.

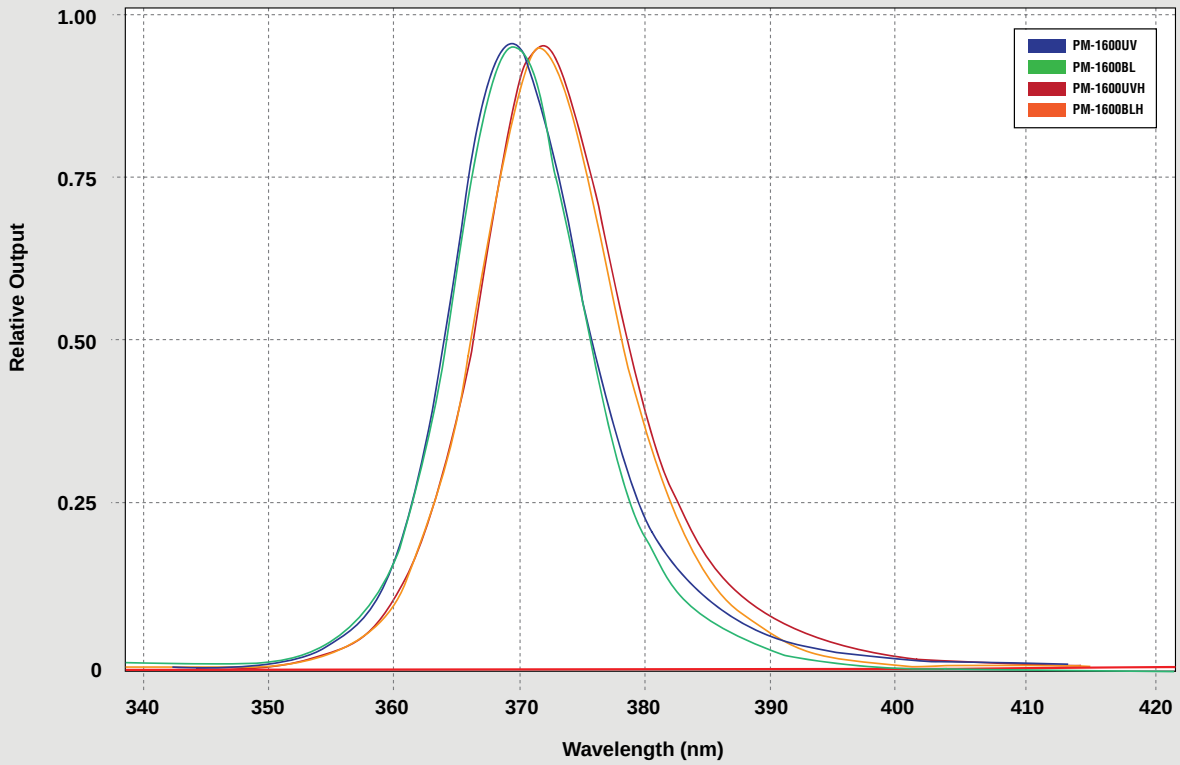
The **PM-1600UVH** is equipped with a clear glass filter and provides a nominal steady-state UV-A intensity of ***8,000 µW/cm²*** at 15 inches (38 cm).

The **PM-1600BLH** is equipped with a black light filter that reduces the output of wavelengths longer than 400 nm. It provides a nominal steady-state UV-A intensity of ***6,500 µW/cm²*** at 15 inches (38 cm).



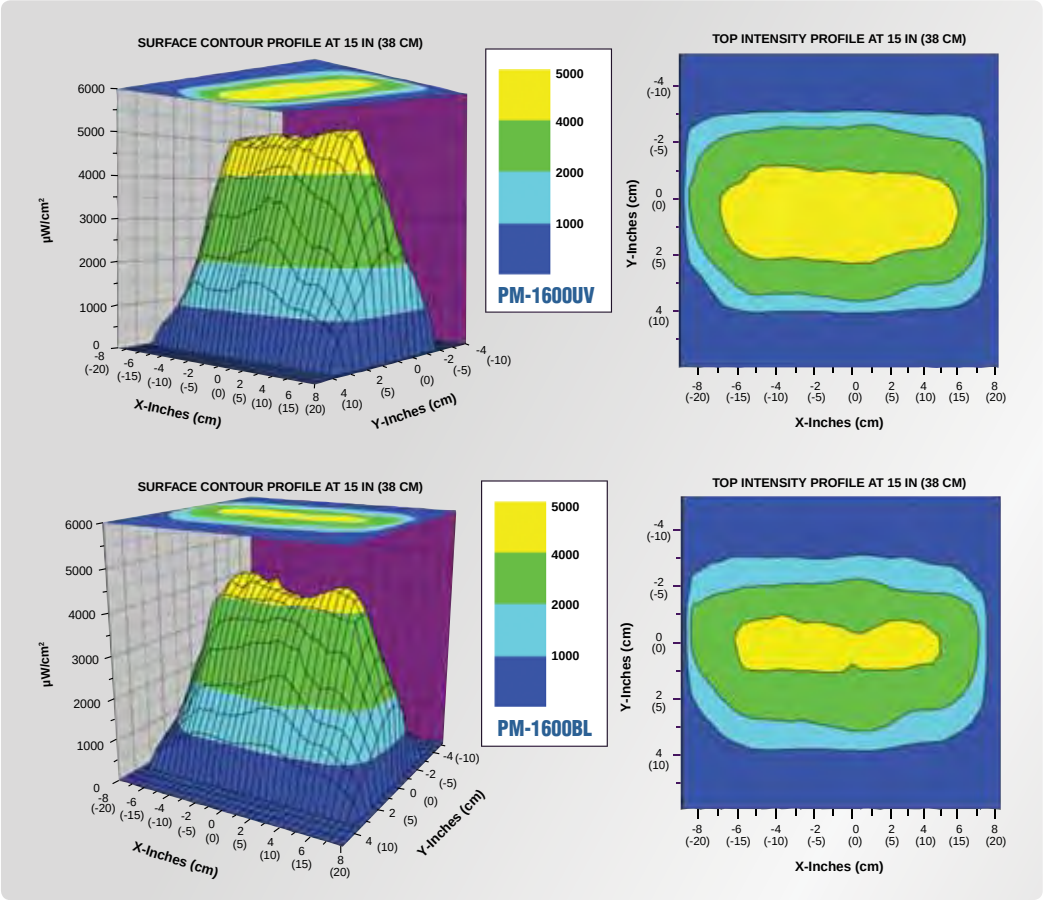
NORMALIZED UV IRRADIANCE

Typical wavelength output profile of PowerMAX™ 365 Series with and without black light filter.



STANDARD-INTENSITY MODELS

UV-A BEAM PROFILES

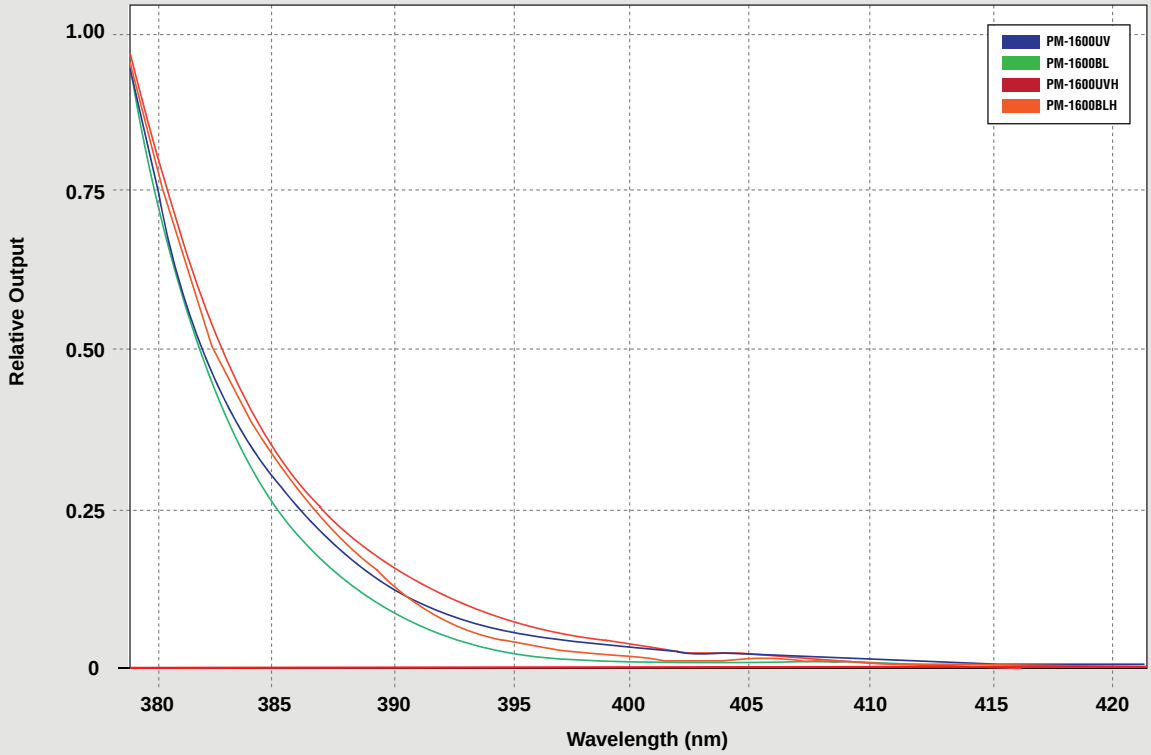


PowerMAX™ 365 Series UV-A LED panel flood lamps are also available in two ***standard-intensity*** models that are designed for NDT inspection applications requiring limited UV-A output.

The **PM-1600UV** is equipped with a clear glass filter and provides a nominal steady-state UV-A intensity of ***4,500 µW/cm²*** (maximum) at 15 inches (38 cm).

The **PM-1600BL** is equipped with a black light filter that reduces the output of wavelengths longer than 400 nm. It provides a nominal steady-state UV-A intensity of ***4,000 µW/cm²*** (maximum) at 15 inches (38 cm). This addresses aerospace industry concerns.

SELECT WAVELENGTHS WITH AND WITHOUT BLACK LIGHT FILTER



As the wavelength of the PowerMAX™ 365 moves into the visible light range, the black light filter significantly reduces the output of the lamp at 400 nm.

UV-400 Series SuperFlood™

Our Most Powerful UV-A Flood Lamps Designed Specifically for NDT

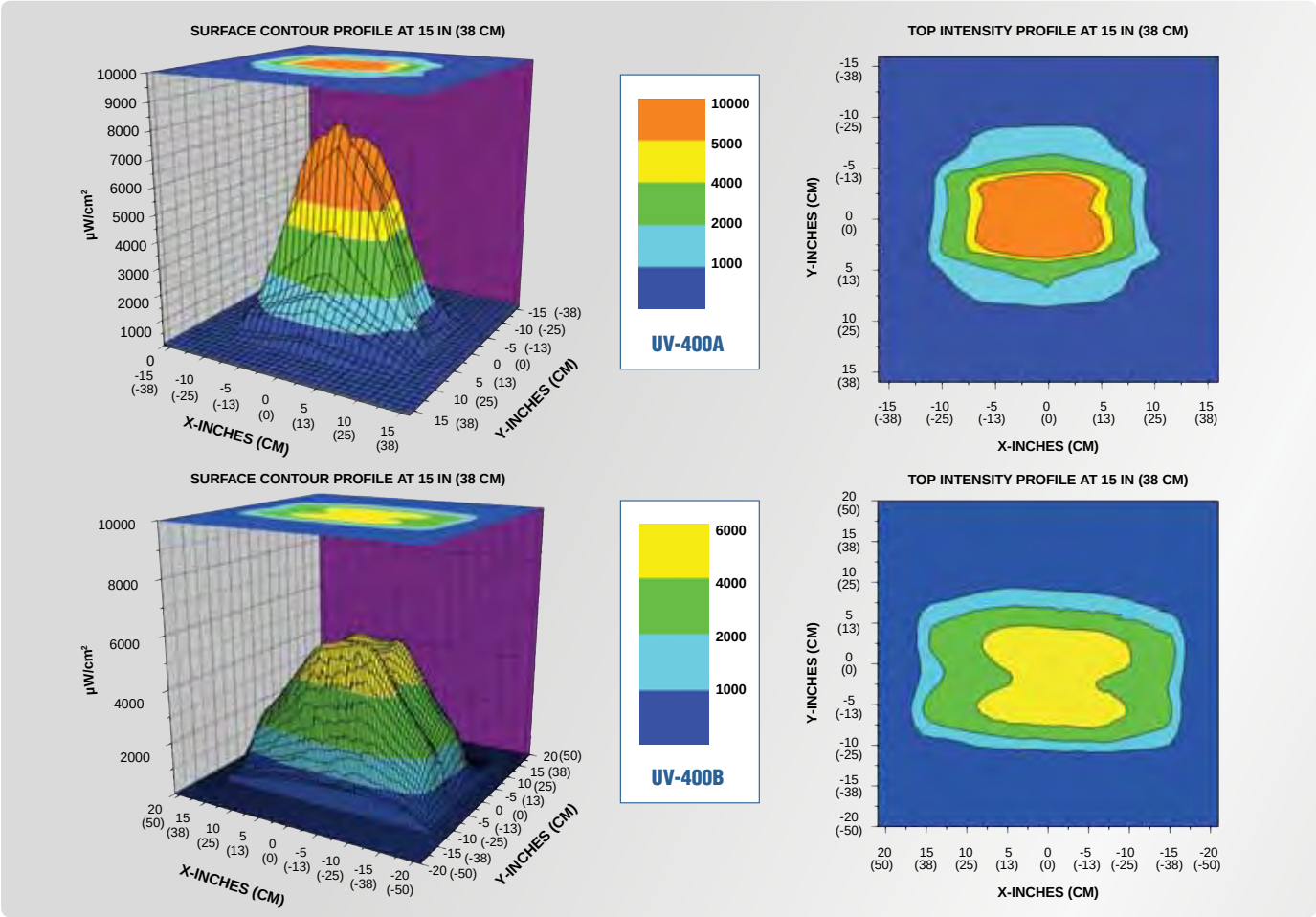
These super-powerful and versatile lamps have been specially engineered for fluorescent penetrant and magnetic particle inspection, parts degreasing inspections and wash station inspections.

- Powerful, 400-watt metal halide bulb, combined with tempered, heat-resistant low solarization UV filters provide the highest intensity over the largest area
- Unique twin-filter system eliminates hazardous UV-B and UV-C radiation escaping from lamp
- Easily mounts over automated magnetic particle systems or above penetrant inspection booths for the most accurate inspections of even the largest parts
- Compact design and built-in mounting features allow lamps to be positioned anywhere — even in previously inaccessible areas

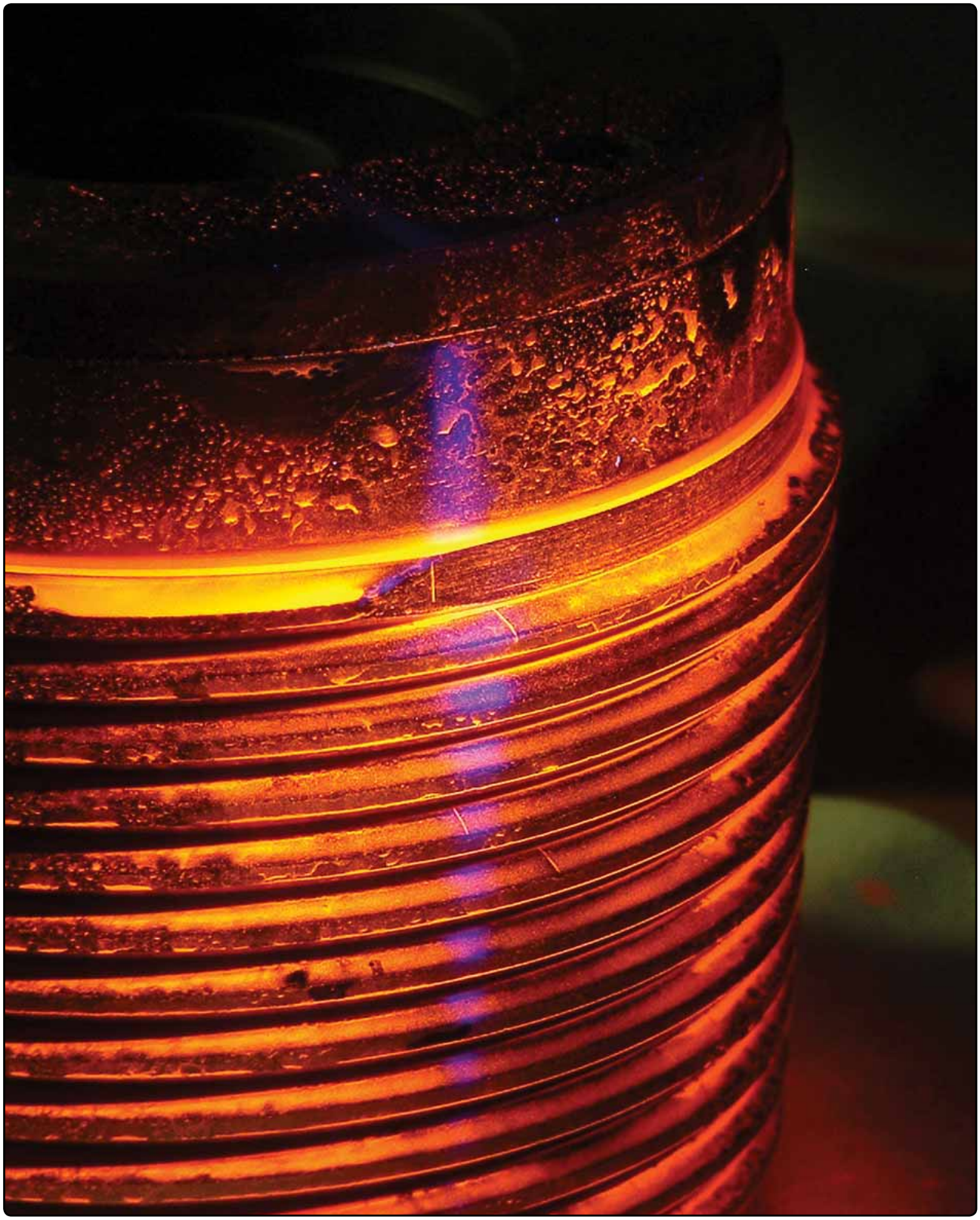
The **UV-400A** features a concentrated-beam reflector designed to assure the highest concentrated UV-A intensity available. It has a peak steady-state UV-A intensity of ***8,000 µW/cm²*** within the lamp's center area, measured at 15 inches (38 cm). The lamp irradiates an area as large as 16" x 10" (41 cm x 25 cm), producing a nominal steady-state UV-A irradiance of not less than ***2,000 µW/cm²***.

The **UV-400B** features a unique broad-beam reflector designed to provide NDT inspectors with maximum uniformity of coverage over the largest area. It has a peak steady-state UV-A intensity of ***5,000 µW/cm²*** within the lamp's center area, measured at 15 inches (38 cm). The lamp irradiates an area as wide as 27" x 15" (69 cm x 38 cm) with unmatched uniformity, producing a nominal steady-state UV-A irradiance of not less than ***2,000 µW/cm²***.

UV-A BEAM PROFILE



A weld defect...



Revealed by the MAXIMA™ ML-3500S UV-A inspection lamp using the liquid penetrant method.

ML-3500 Series MAXIMA™

Ultra-High Intensity UV-A Lamps

These super-powerful lamps make NDT inspections easier, safer and more reliable. They feature state-of-the-art micro discharge light (MDL) technology with a fatigue-free ergonomic design.

- Powerful, 35 watt high-intensity MDL bulb
- Deliver up to 10 times the UV-A output of conventional HID inspection lamps
- Prefocused at the factory
- Instant on/off/restrike
- Lightweight, solid-state ballast
- Integral bulb/reflector assembly
- Stay-cool, impact-resistant and dent-proof housing
- Battery-operated versions available
- All bulbs feature a rated life of 2,000 hours
- Come complete with both UV-absorbing and fluorescent-enhancing spectacles

The MAXIMA™ series consists of three models:

» The **ML-3500S** with a spot reflector has a nominal steady-state UV-A intensity of ***50,000 µW/cm²*** at 15 inches (38 cm). Works even in direct sunlight!

» The **ML-3500D** with a spot reflector and diffusing filter has a nominal steady-state UV-A intensity of ***14,000 µW/cm²*** at 15 inches (38 cm).

» The **ML-3500FL** with a flood reflector has a nominal steady-state UV-A intensity of ***4,500 µW/cm²*** at 15 inches (38 cm).

Line voltage model

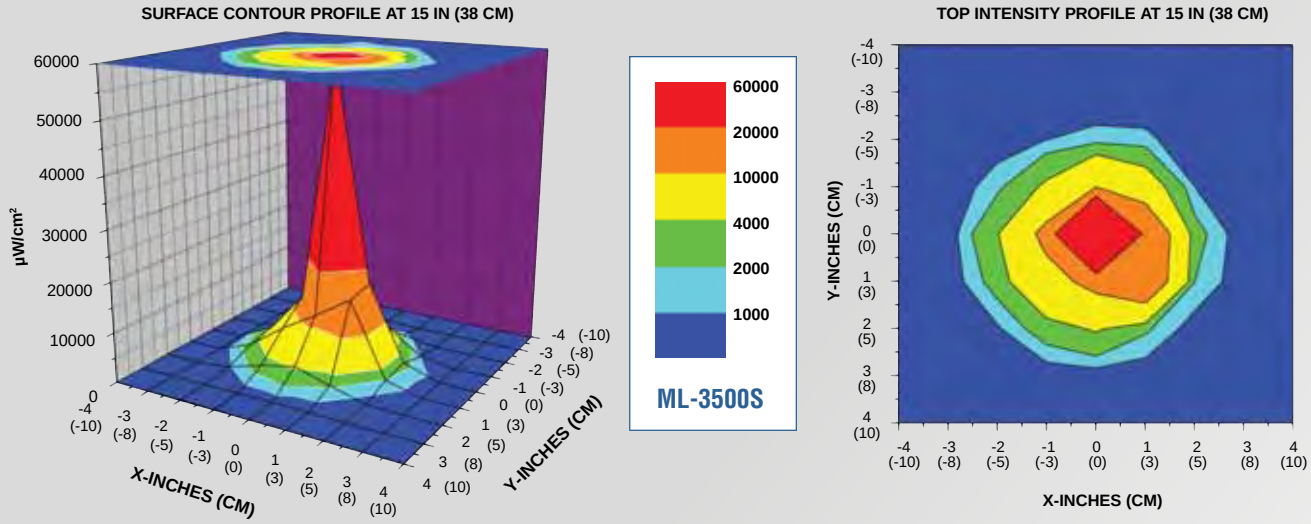
All models come standard with 8 foot (2.4 m) primary and secondary cords. Lamps are also available with extended length primary cords or with a 35 foot (10.7 m) secondary cord housed in a retractable "flying" reel.

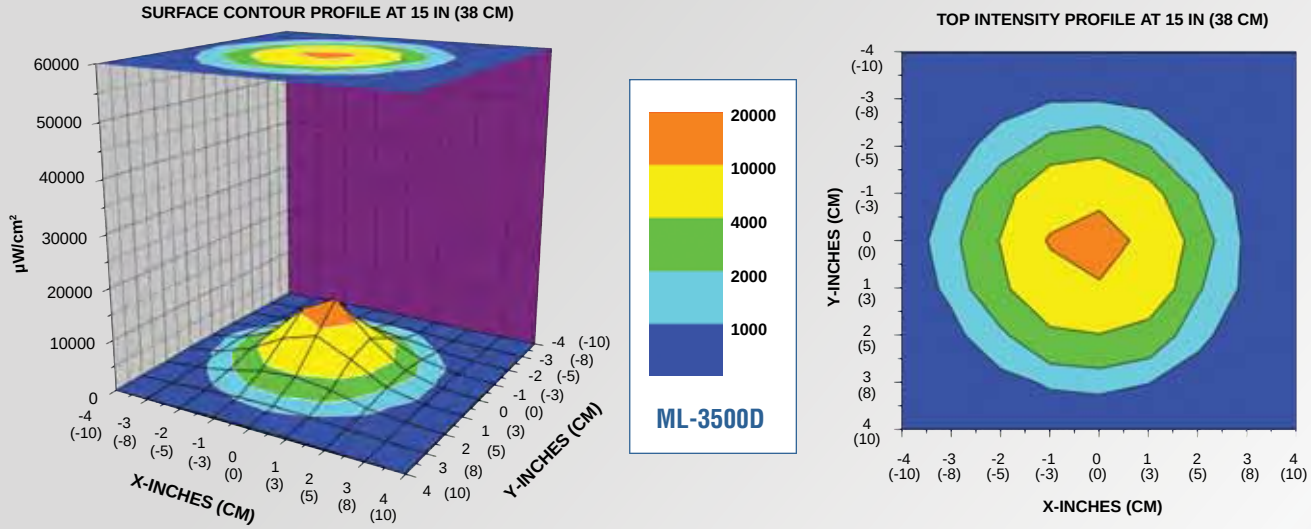
In addition, all MAXIMA™ lamps are available in battery-operated "M" versions. Each includes a 12-volt, 7 amp/hr rechargeable battery that will operate the lamp for a full two hours. A battery charger and carrying case are included.

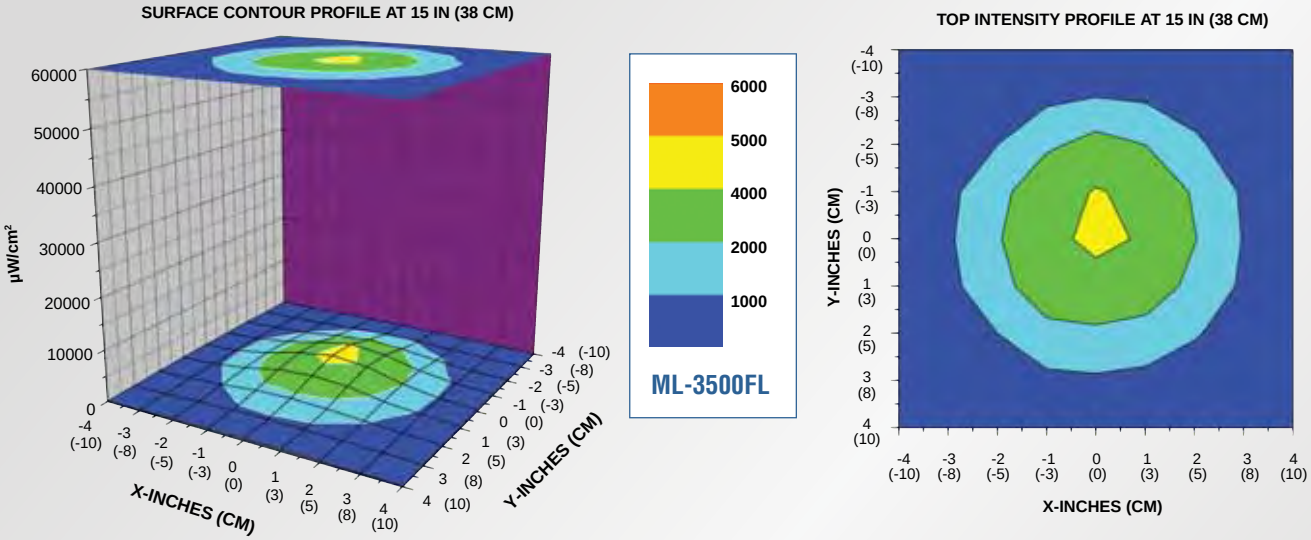
Battery-operated "M" version

ML-3500® Series lamp with 35 foot (10.7 m) secondary cord housed in a retractable "flying" reel

UV-A BEAM PROFILES







ONT-365 On-Trak™ Modular Inspection System

(U.S. and foreign patents pending)

The **ONT-365 On-Trak™** is an innovative, track light-style modular inspection system. It features four broad-beam lamps, each of which utilizes three powerful, ultra-high-flux UV-A (365 nm) LEDs for inspection plus one white light LED for general illumination. This overhead lighting system allows inspectors to customize lamp beam patterns to suit their individual needs. Two lamp head assemblies can be added, as desired, to increase the coverage area. Perfect for NDT inspection booths, pre-inspections and screening applications requiring maximum uniformity of coverage over large areas.

- Cool-running, energy-efficient LEDs
- Broad-beam profiles provide wide coverage area
- Electronic Intensity Stabilizers ensure consistent LED performance
- Instant-on operation; lamps reach full intensity immediately
- Built-in fans keep LEDs cool to maintain optimum UV-A intensity during extended use
- Long-lasting UV-A lenses reduce the rate of solarization
- Produces less than 2 foot-candles of visible light
- Filter protectors with rubber bumpers and Borofloat® glass lenses prevent damage to LEDs
- Easily customizable! Move, adjust and add up to two lamp heads according to *your* specific inspection requirements (additional lamp heads sold separately)
- Optional remote control with three-position rocker switch provides added convenience and versatility
- Comes complete with UVS-30 UV-absorbing spectacles

Optional remote control with three-position rocker switch adds convenience and versatility

LAMP SPECIFICATIONS

Product Number:
ONT-365

Light Sources:
3 UV-A LEDs and 1 white light LED per lamp head

System dimensions: (L x W x H)
28.5 x 18.3 x 11 in (72 x 46 x 28 cm)

Lamp:
Head diameter: 3.25 in (8.3 cm)
Length: 9.5 in (24 cm)

Platform Dimensions: (L x W x H)
28.5 x 18.3 x 2.5 in (72 x 46 x 6 cm)

Platform Weight:
13 lb (5.9 kg)

Power Supply Cord:
8 ft (2.4 m)

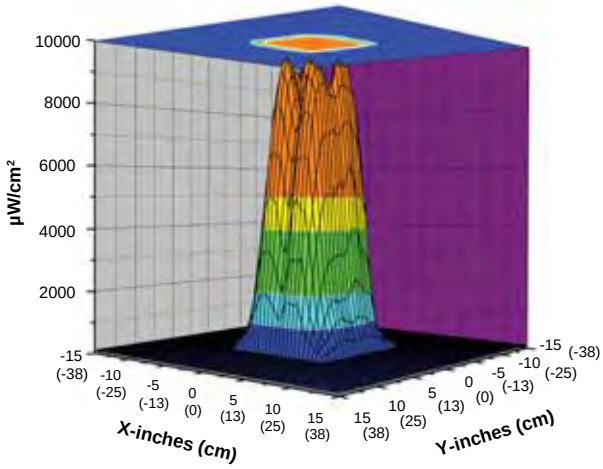
Power Supply:
Input: 100-240 VAC 50/60 Hz
Output: 12 VDC

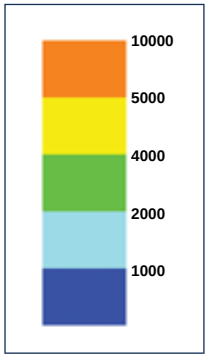
Nominal Steady-State UV-A (365 nm) Intensity:
15 in (38 cm) — 9,000 µW/cm²

NOTE: UV-A intensity reading taken with a Spectroline® AccuMAX™ Series meter

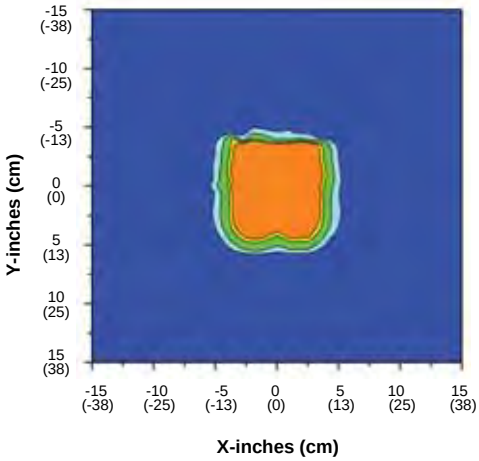
UV-A BEAM PROFILE

SURFACE CONTOUR PROFILE AT 15 IN (38 CM)





TOP INTENSITY PROFILE AT 15 IN (38 CM)



Replacement Parts & Accessories

LA-365	UV-A/white light LED lamp head assembly
PT-200	Platform and track assembly
FP-100	Filter protector with rubber bumper and Borofloat® glass lens
AF-200	Air filter (package of 24)
PS-100A	Power supply module
RC-200	AC remote control with 8 foot (2.4 m) cord
UL-100	UV-A Lens
UVS-30	Spectacles, UV-absorbing
UVG-50	Goggles, UV-absorbing
UVF-80	Face shield, UV-absorbing

LED Light Sources in Blue Light Wavelengths!

The importance of high-intensity UV-A black lights for proper magnetic particle or penetrant NDT inspection is well established. However, a concern for UV safety has always existed. Our new blue light inspection lamps and modular systems address this concern. While still no substitute for UV-A lamps, blue light does provide the safety and convenience desired for quick pre-inspection or screening of fluorescent particles in operating conditions with ambient light, saving time and limiting the use of black lights to only when necessary.

OPX-450

OPTIMAX™ 450 Rechargeable Blue Light LED Flashlight

(U.S. patent no. 5,905,268; foreign patents pending)

This versatile, cordless inspection lamp features a high-intensity, 450 nm blue light LED, a black anodized lamp body and our patented, thin-film dichroic lens to filter out long-wave visible light.

- Nominal steady-state blue light intensity of ***7,000 µW/cm²*** at 15 inches (38 cm)
- Patented, thin-film dichroic lens improve contrast and fluorescent response
- Electronic Intensity Stabilizer assures consistent performance. Beam strength will not weaken between charges!
- Instant-on operation. Lamp reaches full intensity immediately!
- Lightweight, cordless, ergonomic design eliminates fatigue
- Portable and rugged. Anodized aluminum lamp body minimizes corrosion and stands up to years of heavy use.
- Powered by a rechargeable NiMH battery. Provides 90 minutes of continuous inspection between charges.

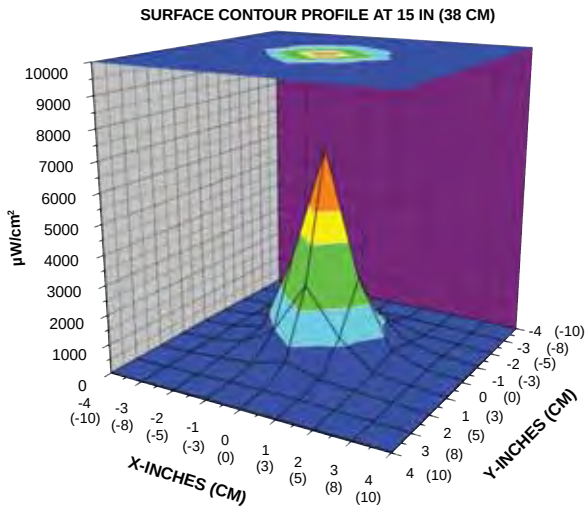
OPTIMAX™ 450 comes complete with smart AC and DC chargers, fluorescent-enhancing, yellow spectacles, belt holster and rugged, padded carrying case.

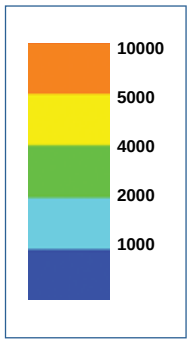
LAMP SPECIFICATIONS

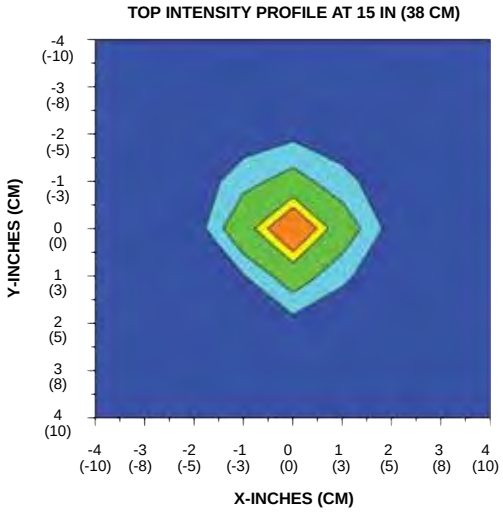
Style	Cordless flashlight
Lamp Head Diameter	2.0 inch (5.1 cm)
Length	8.0 inch (20.3 cm)
Weight *(with Battery)*	11.8 oz (335 g)
Power Requirement	3.6V, 2 AH NiMH internal battery stick (rechargeable)
Run Time	90 minutes (continuous)
Charge Time	4 hours

CE

BLUE LIGHT BEAM PROFILE







TRI-450B Series

TRITAN™ 450 Multi-LED, Broad-Beam Blue Light Lamp

(U.S. patent no. 5,905,268; foreign patents pending)

Feature three cool-running, ultra-high flux 450 nm blue light LEDs with a broad-beam configuration. This powerful lamp provides a wider coverage area than conventional inspection lamps, while its compact head design allows access into areas inaccessible to larger inspection lamps. Ideal for most non-destructive testing applications.

- Nominal steady-state blue light intensity of ***9,500 µW/cm²*** at 15 inches (38 cm)
- Large 5 inch (13 cm) diameter coverage area at 15 inches (38 cm) with a minimum intensity of ***2,000 µW/cm²***
- Rubber bumper with patented thin-film dichroic lens filters out long-wave visible light
- Electronic Intensity Stabilizer ensures consistent LED performance
- Built-in fans keep LEDs cool to maintain optimum light output during extended use
- Instant-on operation. Lamp reaches full intensity immediately!
- Rugged, ergonomic, angled lamp body provides safe, fatigue-free handling
- Choice of standard 8 foot (2.4 m) or extra-long 20 foot (6.1 m) heavy-duty power cord with AC plug and rubber boot. Also available: Optional in-line power supply or industrial power supply with cord sets (sold separately).
- Includes fluorescent-enhancing, yellow spectacles and soft carrying case

LAMP SPECIFICATIONS

Style	Pistol grip
Light Source	3 blue light LEDs
Lamp Head Diameter	5 in (13 cm)
Length	8.0 in (20.3 cm)
Weight	1 lb (454 g)
Power Requirements:	
AC lamp	(TRI-450B) 120VAC*
AC/DC lamp	(TRI-450MB) 120VAC*/12VDC
Battery Pack:	
Type	12V, NiMH (rechargeable)
Run Time	3.5 hours (continuous)
Charge Time	2 hours

*Also available in 230V, 240V and 100V versions.

CE

Also Available:

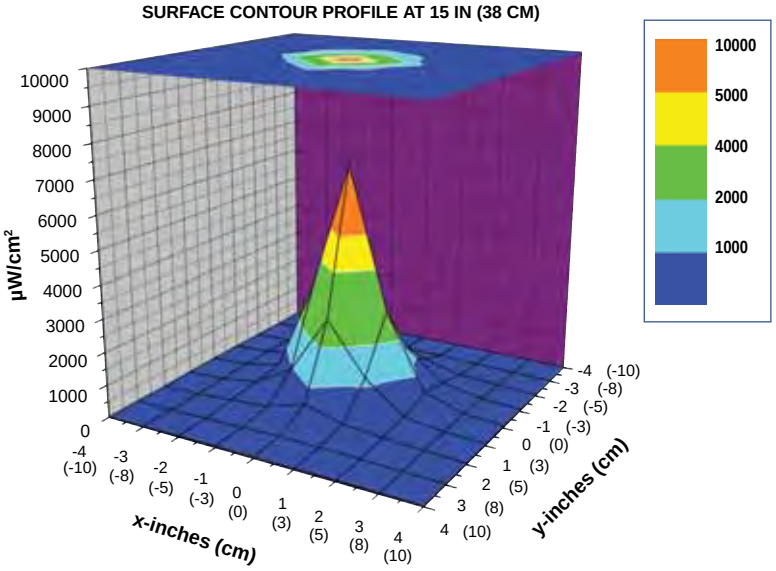
TRITAN™ 450MB portable, battery-operated AC/DC lamp kit. Includes TRITAN 450 blue light LED lamp, rechargeable NiMH battery pack, power supply adapter with AC and DC cord sets, smart AC charger, fluorescent-enhancing, yellow spectacles and soft, lightweight carrying case.

Replacement Parts & Accessories

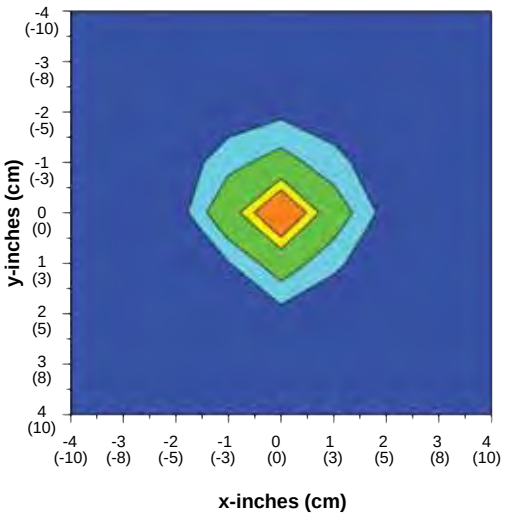
129141	Standard, 8 foot (2.4 m) AC power cord
129145	Extra-long, 20 foot (6.1 m) AC power cord
129162	3.5 foot (1.1 m) DC power cord for "M" series lamps
127933	Particulate filter assembly
BP-30	Battery pack with 12V rechargeable NiMH battery
BR-150A	Smart AC charger
CC-370A	Soft carrying case
FP-450	Rubber bumper with dichroic lens
PSA-250A	AC/DC power supply adapter for "M" series lamps
PS-200A	Industrial power supply. Primary cord: 8 feet (2.4 m); secondary cord: 20 feet (6.1 m).
PS-300A	In-line power supply. Primary cord: 8 feet (2.4 m); secondary cord: 8 feet (2.4 m).
UVS-40	Fluorescent-enhancing spectacles, yellow

BLUE LIGHT BEAM PROFILE

SURFACE CONTOUR PROFILE AT 15 IN (38 CM)



TOP INTENSITY PROFILE AT 15 IN (38 CM)



PM-1600B

PowerMAX™ 450

Blue Light LED Panel Flood Lamp

Designed Specifically for NDT Professionals!

PowerMAX™ 450 flood lamp features a panel of 16 powerful blue light (450 nm) LEDs specially engineered for non-destructive testing applications when limiting the use of UV-A light is a requirement. This versatile, stationary light source can be installed overhead or in-line, and can be ganged together to provide an even wider coverage area.

Ideal for NDT inspection booths, quick pre-inspection or screening of fluorescent particles in ambient light conditions and any other applications requiring maximum uniformity of blue light coverage over a large area.

- Nominal steady-state blue light intensity of ***14,000 µW/cm²*** at 15 inches (38 cm)
- Large coverage area of 18 inches by 8 inches (46 cm x 20 cm) with a minimum blue light intensity of ***2,000 µW/cm²***
- Patented, thin-film dichroic lens to filter out long-wave visible light
- Easily mountable for overhead inspection or in-line applications
- Built-in fans keep LEDs cool to maintain optimum light output during extended use
- Customizable — multiple lamp units can be "ganged" together longitudinally or back-to-back for a larger coverage area to meet *your* specific inspection requirements!

LAMP SPECIFICATIONS

Style	Panel flood lamp
Light Source	16 blue light (450 nm) LEDs
Dimensions (WxLxH)	5.5 x 13.75 x 6 in (14 x 35 x 15 cm)
Weight	9 lb (4 kg)
Power Requirement	AC power (main AC power cord supplied with the unit)

CE

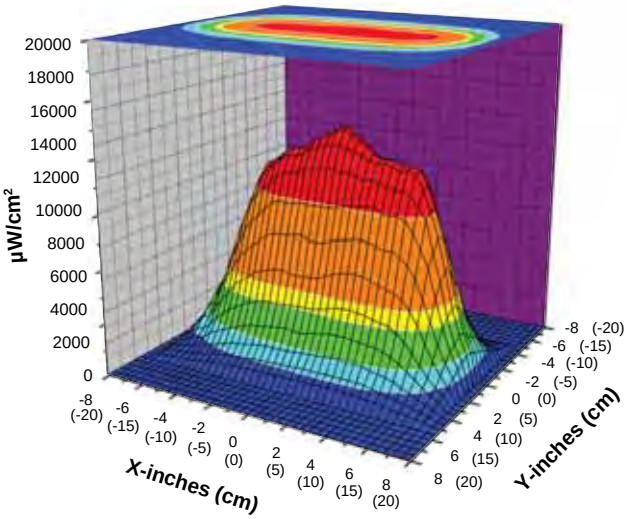
For applications requiring extremely large coverage areas, the PowerMAX™ 450 can be quickly ganged together longitudinally (top) or back-to-back (bottom) using customized, easy-to-install connecting plates and brackets.

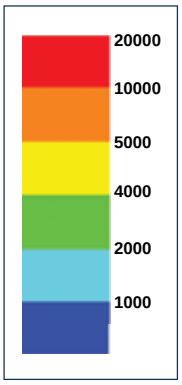
Replacement Parts & Accessories

128177	AC power cord
127918	Particulate air filter
127935	Retainer, LED assembly face plate
DF-450PM	Dichroic filter assembly
CC-200	Connector cable for ganging lamps
CP-100	Top connecting plate for ganging lamps longitudinally
CP-200	Top connecting plate for ganging lamps back-to-back (two required)
CP-300	Side connecting bracket for ganging lamps longitudinally (two required)
UVS-40	Fluorescent-enhancing spectacles, yellow

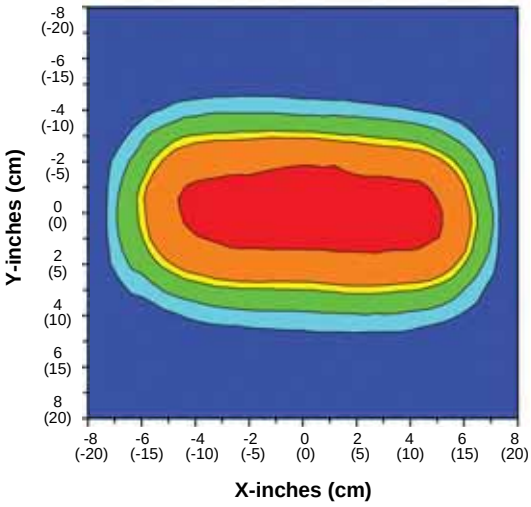
BLUE LIGHT BEAM PROFILE

SURFACE CONTOUR PROFILE AT 15 IN (38 CM)





TOP INTENSITY PROFILE AT 15 IN (38 CM)



ONT-450 On-Trak™ Modular Inspection System

(U.S. and foreign patents pending)

Blue Light LED Inspection System

The **ONT-450 On-Trak™** is an innovative, modular, track light-style inspection system. It features four broad-beam lamps, each of which utilizes three powerful, blue light (450 nm) LEDs. This overhead lighting system provides a fast, safe and effective alternative to UV-A light. It allows inspectors to customize lamp beam patterns to suit their individual needs, and provides the ability to add two additional lamp head assemblies to further increase the coverage area. Perfect for NDT inspection booths, pre-inspections and screening of fluorescent particles in operating conditions with ambient light or any application requiring maximum uniformity of coverage over large areas.

- Powerful, cool running, energy-efficient blue light LEDs
- Broad-beam profiles provide wide coverage area
- Electronic Intensity Stabilizers ensure consistent LED performance
- Instant-on operation; lamps reach full intensity immediately
- Built-in fans keep LEDs cool to maintain optimum light output during extended use
- Rubber bumpers with patented thin-film dichroic lenses filter out long-wave visible light while preventing damage to the LEDs
- Easily customizable! Move, adjust and add up to two additional lamp heads according to *your* specific inspection requirements (additional lamp heads sold separately)
- Optional remote control with two-position rocker switch provides added convenience and versatility
- Comes complete with UVS-40 fluorescence-enhancing spectacles

Optional remote control with two-position rocker switch adds convenience and versatility

LAMP SPECIFICATIONS

Product Number:
ONT-450

Light Sources:
3 blue light LEDs per lamp head

System dimensions: (L x W x H)
28.5 x 18.3 x 11 in (72 x 46 x 28 cm)

Lamp:
Head diameter: 3.25 in (8.3 cm)
Length: 9.5 in (24 cm)

Platform Dimensions: (L x W x H)
28.5 x 18.3 x 2.5 in (72 x 46 x 6 cm)

Platform Weight: 13 lb (5.9 kg)

Power Supply Cord: 8 ft (2.4 m)

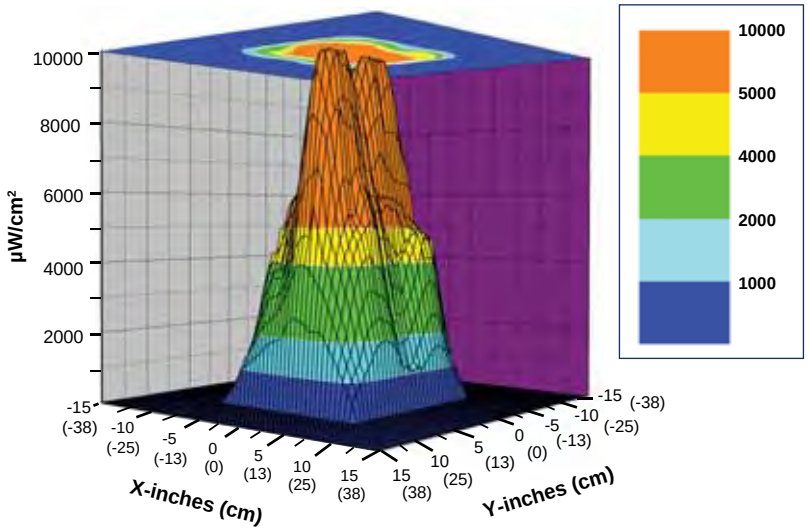
Power Supply:
Input: 100-240 VAC 50/60 Hz
Output: 12 VDC

Nominal Steady-State Blue Light (450 nm) Intensity:
15 in (38 cm) — 9,500 µW/cm²

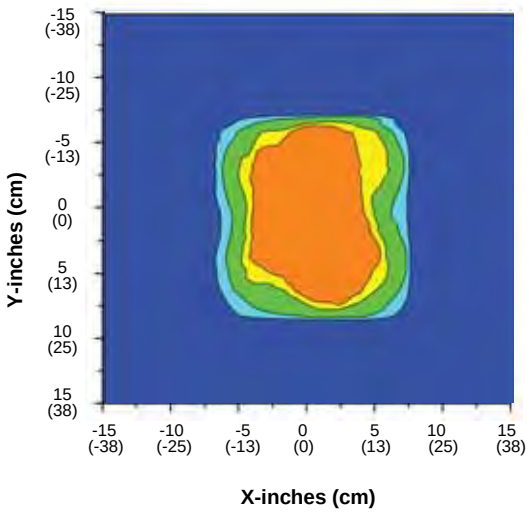
NOTE: Blue light intensity reading taken with a Spectroline® AccuMAX™ Series meter

BLUE LIGHT BEAM PROFILE

SURFACE CONTOUR PROFILE AT 15 IN (38 CM)



TOP INTENSITY PROFILE AT 15 IN (38 CM)



Replacement Parts & Accessories

LA-450	Lamp head assembly with three blue light LEDs
PS-100A	Power supply module
PT-200	Platform and track assembly
RC-300	AC remote control with 8 foot (2.4 m) cord
FP-200	Filter protector with rubber bumper and thin-film dichroic lens
UVS-40	Fluorescence-enhancing spectacles, yellow
AF-200	Air filter (package of 24)

AccuPRO™ Series
Digital Radiometer/Photometers

The **AccuPRO™ Series** meters feature an advanced, microprocessor-controlled readout unit calibrated to accurately measure and display both UV-A and visible light readings for non-destructive testing applications.

Available in <u>two versions:</u> The AccuPRO™ (**XP-2000**) readout unit features a single dual-wavelength sensor detector designed to measure both ultraviolet and visible light. The AccuPRO™ Plus (**XP-4000**) features a single 3-in-1 multi-purpose sensor that measures ultraviolet, visible and blue light.

These compact, lightweight, battery-operated units are ideal for use in the field, the factory or anywhere accurate light measurements are needed!

- Large, easy to read, LCD screen with 4-digit autoranging display
- Both units provide accurate readouts for UV-A irradiance as well as visible illuminance. AccuPRO™ Plus unit also measures blue light
- Simply to use, three-button interface. Toggle between light measurement modes.
- Overall accuracy greater than ± 5% per NIST standards
- Superior band-pass interference filter provides excellent cosine response
- One-touch PEAK with reset functions
- User-defined power save and automatic shutoff
- User-selectable, multilingual display settings at any operational level. Choose from English, French, German, Chinese and Spanish.
- Rugged meter features protective rubber housing for better grip and to help prevent accidental breakage
- Sealed sensor with water-resistant housing
- Multi-wavelength sensor directly attached to meter by 3 ft (0.9 m) cord
- Complies with ASTM specifications for LPT and MPT
- Convenient on-board recharging
- Powered by four rechargeable “AAA” nickel-metal hydride batteries (included)
- Come complete with AC charger and padded carrying case

The AccuPRO™ meter features a dual-wavelength UV/visible light sensor, while the AccuPRO™ Plus (shown) features a 3-in-1 sensor that measures UV, visible and blue light.

SPECIFICATIONS

Readout Unit

Resolution	4-digit autoranging display
Screen	128 x 64 dot pixel chip on glass STN transmissive monochrome LCD 2.25 in (5.7cm) diagonal illuminated (backlit)
Read Update	2 Hz
Overall Accuracy	Better than ± 5% with reference to NIST standards
Temperature Coefficient	± 0.025%/°C (0 to 50°C)
Power Requirements	Four "AAA" nickel-metal hydride batteries (rechargeable). AC charger included. *Available in 120V, 230V, 240V or 100V versions.*

Dimensions

Length	6.0 in (15.2 cm)
Width	3.0 in (7.6 cm)
Thickness	1.0 in (2.5 cm)
Weight	8 oz (227 g)

Sensor Detector

Length	3.0 in (7.6 cm)
Width	2.0 in (5.1 cm)
Thickness	0.5 in (1.3 cm)
Weight	5.6 oz (159 g)

Spectral Range

UV-A Sensor	320-400 nm
Visible Sensor	460-675 nm
Blue Light Sensor	410-475 nm

XP-2000 AccuPRO™

Dual Sensor (UV-A/VIS)

Sensitive to UV and Visible Light

Wavelength/Measurement Range

UV-A (365 nm) Irradiance	0-100 mW/cm^2
Visible (555 nm) Illuminance	0-5,382 Lux (0-500 fc)

XP-4000 AccuPRO™ Plus

3-in-1 Sensor (UV-A/VIS/Blue)

Sensitive to UV, Visible and Blue Light

Wavelength/Measurement Range

UV-A (365 nm) Irradiance	0-100 mW/cm^2
Visible (555 nm) Illuminance	0-5,382 Lux (0-500 fc)
Blue (450 nm)	0-100 mW/cm^2

CE

XRP-3000 AccuMAX™

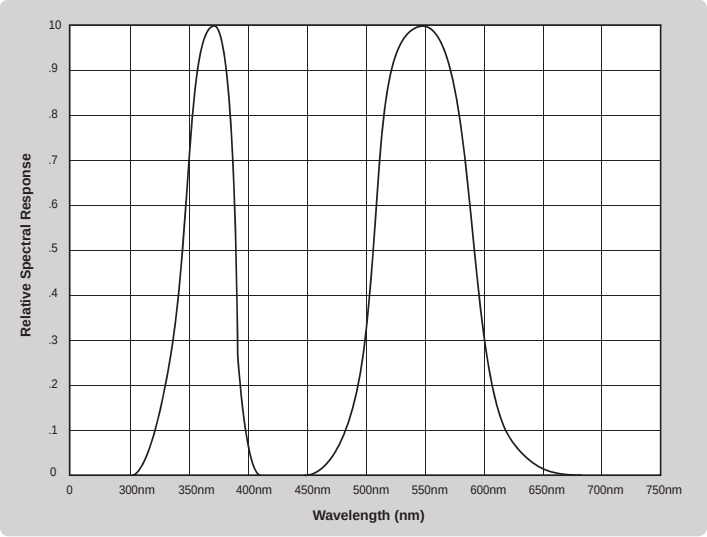
Digital Radiometer/Photometer

Features an advanced microprocessor-controlled readout unit with a dual-wavelength sensor detector to measure *both* ultraviolet and visible light.

- Large, easy-to-read LCD screen
- Provides readouts for UV-A, visible irradiance or radiance
- Overall accuracy greater than ± 5% per NIST standards
- Choice of direct or USB cable connection between sensor detector and readout unit
- Superior bandpass interference filter
- Automatic zeroing, integration and signal hold
- Excellent cosine response
- User-selectable, multilingual display settings. Choose from English, French, German and Spanish.
- User-defined power save and automatic shutoff
- Rugged meter housing features removable, protective rubber boot for better grip and to help prevent accidental breakage
- Sealed sensor housing and USB connection with water-resistant adapter
- Compact, lightweight and battery-operated for convenient use in the factory, field or anywhere measurements are needed
- Complies with ASTM specifications for LPT and MPT
- Comes complete with readout unit, dual-wavelength sensor detector, USB cable with water-resistant adapter, protective rubber boot, two 9V alkaline batteries and padded carrying case.

XR-1000 readout unit with dual-wavelength sensor detector connected directly to unit

XR-1000 readout unit with dual-wavelength sensor detector connected to unit via USB cable



SPECIFICATIONS

Readout Unit (XR-1000)

Resolution	4-digit autoranging display
Screen	128 x 64 dot pixel chip on glass STN transmissive monochrome LCD 2.8 in (7.1 cm) diagonal illuminated (backlit)
Sample Rate	7.5 Hz (single sensor) 15 Hz (dual sensor)
Read Update	2 Hz
Overall Accuracy	Better than ± 5% with reference to NIST standards
Temperature Coefficient	± 0.025%/°C (0 to 50°C)
Power Requirements	Two 9V alkaline batteries (included)
Dimensions	
Length	7.75 in (19.7 cm)
Width	4.25 in (10.8 cm)
Thickness	1.25 in (3.2 cm)
Weight	0.8 lb (360 g)

CE

Dual UV-A/Visible Sensor Detector (XDS-1000)

Irradiance Range	
UV-A Sensor	0-100 mW/cm^2 (0-100,000 µW/cm^2)
Visible Sensor	0-5,300 lux (0-500 fc)
Spectral Range	
UV-A Sensor	320-400 nm
Visible Sensor	460-675 nm
Dimensions	
Length	4.75 in (12.1 cm)
Width	2.0 in (5.1 cm)
Thickness	7/8 in (2.2 cm)
Weight	0.22 lb (100 g)
USB Cable (Length)	5 ft (1.5 m)

DM-365XA

Digital UV-A Radiometer

Provides increased accuracy for more repeatable results.

- Measures UV-A light sources with overall accuracy of ± 5% per NIST standards
- Autozeroing, excellent linearity and cosine response, solid-state design, compact, durable, simple operation, battery-level indicator
- Sealed silicone photodiode protects against shock and humidity
- Sensor housing is constructed with series of baffles and unique self-sealing mechanism to eliminate light leakage
- Compact, lightweight and battery operated so measurements can be taken anywhere
- Complies with ASTM specifications for LPT and MPT

SPECIFICATIONS

Readout Unit

Resolution	10 µW/cm²
Screen	4½ digit, 7 segment, LED display 0.5 in (1.3 cm) high
Overall Accuracy	Better than ± 5% with reference to NIST standards
Temperature Coefficient	± 0.025%/°C (0 to 50°C)
Irradiance Range	0-19,900 µW/cm²
Spectral Range	320-400 nm
Power Requirements	Two "AA" alkaline batteries (included)
Length	7¼ in (18.4 cm)
Width	3.5 in (8.9 cm)
Thickness	2 in (5.1 cm)
Weight	1 lb (0.45 kg)

CE

Sensor Detector

Length	3 in (7.6 cm)
Width	2 in (5.1 cm)
Thickness	0.70 in (1.8 cm)
Weight	1¼ lb (0.57 kg)
Cord Length	3 ft (91.4 cm)

BP-12A
BATTERY PACK

Complete with RB-12S Smart Charger with Cordset, 12 Volt Rechargeable NiMH Battery and Nylon Carrying Case for MAXIMA™ ML-3500 Series Lamps. (120V)*

BP-30
BATTERY PACK

Complete with BR-150A Smart Charger, 12 Volt Rechargeable NiMH Battery for QUADRAN™ QDR-365M, TRITAN™ TRI-365M and TRI-450MB AC/DC Lamp Kits. (100-120V)*

CC-120A
CARRYING CASE

for BIB-150P Series. FC-Series and SB-100P Series Lamps

CC-350
CARRYING CASE

for MAXIMA™ ML-3500 Series Lamps

CC-365
CARRYING CASE

for OPTIMAX™ OPX-365 and OPX-450 Flashlights

CC-370A
CARRYING CASE

for EagleEye™ and TRITAN™ Series Lamp Kits

CC-400
CARRYING CASE

for QUADRAN™ 365 Series Lamp Kits

UVS-30
SPECTACLES

UV-Absorbing

UVS-40
SPECTACLES

Fluorescence-Enhancing

UVF-80
FACE SHIELD

UV-Absorbing

UVG-50
GOGGLES

UV-Absorbing

For other voltages, please see price list.

Using genuine Spectroline® replacement parts ensures that lamps will operate at their optimum performance.

BLE-35PRA
MDL BULB/POLISHED REFLECTOR ASSEMBLY

for MAXIMA™ ML-3500 Series Lamps

BLE-35RA
MDL BULB/COATED REFLECTOR ASSEMBLY

for MAXIMA™ ML-3500 Series Lamps

BLE-35RAF
MDL BULB/ANODIZED REFLECTOR ASSEMBLY

for MAXIMA™ ML-3500 Series Lamps
for CH-50P/12 and MAXIMA™ ML-3500 Series Lamps

BLE-400
METAL HALIDE BULB

400 Watt for SuperFlood™ UV-400 Series Lamps

119584
MDL BULB

35 Watt for MAXIMA™ ML-3500 Series Lamps

120344
COATED SPOT REFLECTOR

for MAXIMA™ ML-3500 Series Lamps

120514
ANODIZED FLOOD REFLECTOR

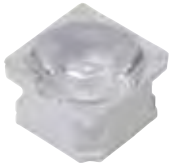
for MAXIMA™ ML-3500 Series Lamps

123378
POLISHED REFLECTOR

for MAXIMA™ ML-3500 Series Lamps

127423
DOME LENS

for OPTI-LUX™ 365 Series LED Flashlights



UL-100
UV-A LENS

for all UV-A (365 nm) LED Lamps, *except* TRITAN™ 365 TRI-365SBLC

UL-110
UV-A LENS

for TRITAN™ 365 TRI-365SBLC Lamp

OF-300W
LED LAMP HEAD, WHITE LIGHT

for OPTIMAX™ OPK-300N Multi-Lite™ Lamp

OF-365UV
LED LAMP HEAD, UV (365 NM)

for OPTIMAX™ OPK-300N Multi-Lite™ Lamp

OF-450BD
LED LAMP HEAD, BLUE LIGHT (450 NM)

with dichroic lens for OPTIMAX™ OPK-300N Multi-Lite™ Lamp

2F110
UV-A FILTER

for SuperFlood™ UV-400 Series Lamps

2F350
DIFFUSING FILTER

for FC-Series and MAXIMA™ ML-3500 Series Lamps

2F400B
UV-B BLOCKING FILTER

for SuperFlood™ UV-400 Series Lamps

2F958
UV-A FILTER
for BIB-150P Series, FC-Series and MAXIMA™ ML-3500 Series Lamps

125565
RUBBER LAMP PROTECTOR
for OPTIMAX™ Flashlights

127796
RUBBER LAMP PROTECTOR
for OPTI-LUX™ 365 Flashlight

BF-365LX
EXTERNAL BLACK LIGHT FILTER WITH RUBBER BUMPER
for OPTI-LUX™ 365 Flashlight

DF-365
DIFFUSING FILTER
for OPTIMAX™ OPX-365 Flashlight

FP-100
FILTER PROTECTOR
with Rubber Bumper/Borofloat® glass lens for ONT-365 On-Trak™ Inspection System Lamps

FP-200
FILTER PROTECTOR
with Rubber Bumper/Dichoric glass lens for ONT-450 On-Trak™ blue light Inspection System Lamps

FP-365
FILTER PROTECTOR
with Rubber Bumper/Borofloat® Glass for TRITAN™ 365 Series Lamps

FP-450
FILTER PROTECTOR
with Rubber Bumper/Dichroic Filter for TRITAN™ 450 Series Lamps

HS-100
HEAD STRAP
for EagleEye™ Lamp

LMS-100
LAMP MOUNT/SPRAYER
for EagleEye™ Lamp

SG-100
SPLASH GUARDS WITH INTEGRAL PARTICULATE FILTER
for EagleEye™ Lamp (3 pack)

127243
HOLSTER
for OPTIMAX™ OPX-365 and OPX-450 Flashlights

127574
BELT HOLSTER
For OPTI-LUX™ 365 Series Flashlights

Using genuine Spectroline® replacement parts ensures that lamps will operate at their optimum performance.

124826
CORD SET
2 Foot (0.6 m), 7 Pin for MAXIMA™ ML-3500 Series Lamps. (12V DC version)

124827
CORD SET
8 Foot (2.4 m), 7 Pin for MAXIMA™ ML-3500 Series Lamps. (230V version)

124828
CORD SET
8 Foot (2.4 m), 7 Pin for MAXIMA™ ML-3500 Series Lamps. (115V and 100V versions)

129141
AC CORD SET
8 Foot (2.4 m) for QUADRAN™ A and TRITAN™ B Series Lamps. (100-120V)*

129145
AC CORD SET
20 Foot (6.1 m) for QUADRAN™ A and TRITAN™ B Series Lamps. (100-120V)*

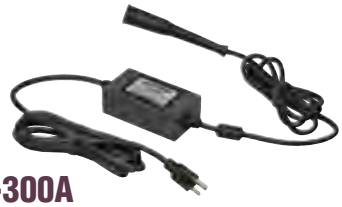
129162
DC CORD SET
3.5 Foot (1.1 m) for QUADRAN™ A and TRITAN™ B "M" Series Lamps

128217
BATTERY CHARGING CRADLE
with AC cord for Eagle-Eye™ Inspection Lamp and OPTI-LUX™ 365 Series Flashlights. (100-120V)*

128225
DC CORD SET
for Eagle-Eye™ Inspection Lamp and OPTI-LUX™ 365 Series Flashlights

BR-150A
SMART BATTERY CHARGER
for BP-30 Battery Pack. (100-120V)*

PS-200A
INDUSTRIAL POWER SUPPLY
with cord sets for QUADRAN™ 365 and TRITAN™ Series Lamps. (100-120V)*



PS-300A
IN-LINE POWER SUPPLY
for QUADRAN™ 365 and TRITAN™ Series Lamps. (100-120V)*

PSA-250A
POWER SUPPLY ADAPTER
with AC and 12V DC connections for QUADRAN™ and TRITAN™ "M" Series Lamps. (100-120V)*

RB-12S
SMART BATTERY CHARGER
for BP-12A Battery Pack. (120V)*

RB-300
SMART AC CHARGER
for OPTIMAX™ OPK-300N, OPX-365 and OPX-450 Flashlights. (100-120V)*

**For other voltages, please see price list.*

RB-300DC
12V DC CHARGER
for OPTIMAX™ OPK-300N, OPX-365 and OPX-450 Flashlights.

RC-200
AC REMOTE CONTROL
for On-Trak™ ONT-365 UV-A Inspection System with 8 foot (2.4 m) cord

RC-300
AC REMOTE CONTROL
for On-Trak™ ONT-450 Blue Light Inspection System with 8 foot (2.4 m) cord

125608
BATTERY STICK WITH TAILCAP
for OPTIMAX™ OPK-300N, OPX-365 and OPX-450 Flashlights

127568
LITHIUM-ION BATTERY
Rechargeable for EagleEye™ Lamp and OPTI-LUX™ 365 LED Flashlights

XCB-100
WATER-RESISTANT USB CABLE WITH ADAPTER
for AccuMAX™ Meter

XCC-100
CARRYING CASE
for AccuMAX™ XRP-3000 Meter

XRB-100
RUBBER BOOT
for AccuMAX™ XR-1000 Readout Unit

AB-100
ADAPTER BRACKET
for Mounting Transformer-Based Spectroline® HID Lamps onto a Magnaflux® Wet Horizontal Mag Machine

B-6
BENCH MOUNT
for all Spectroline® HID, QUADRAN™ and TRITAN™ Series Lamps

FA-100
FLEXIBLE ARM
for all Spectroline® HID, QUADRAN™ and TRITAN™ Series Lamps

LH-200
LAMP HOLDER
for OPTIMAX™ OPX-365 and OPX-450 Flashlights (for use with VF-100A)

LH-300A
LAMP HOLDER
for TRITAN™ Series Lamps (for use with VF-100A, FA-100, WM-100, B-6 and W-6)

VF-100A
SPEC-STIK™ VERIFICATION FIXTURE
for all Spectroline® sensors, as well as HID, QUADRAN™, TRITAN™ and OPTIMAX™ Series Lamps.

NOTE: Lamp mounting accessories for TRITAN™ and OPTIMAX™ Series Lamps are sold separately (see LH-200 and LH-300A)

W-6
WALL MOUNT
for all Spectroline® HID and TRITAN™ Series Lamps

WM-100
WALL MOUNTING BRACKET
for all Spectroline® HID, QUADRAN™ and TRITAN™ Series Lamps

Using genuine Spectroline® replacement parts ensures that lamps will operate at their optimum performance.

100S
SPOT BULB

Ad-Medium Base, 100 Watt for SB-100P and FC-Series Lamps

100S/M
SPOT BULB

Medium Base, 100 Watt for SB-100P and FC-Series Lamps

100S/M-PQL
UPGRADED, PREMIUM QUALITY LIGHTING SPOT BULB

Medium Base, 100 Watt for SB-100P and FC-100 Series Lamps

BLE-150BS-115/M
BROAD-BEAM BULB

Self-Ballasted, 150 Watt for BIB-150P Series Lamps (115 volt version)

BLE-150CS-100/M
CONCENTRATED SPOT BULB

Self-Ballasted, 150 Watt for BIB-150P Series Lamps (100 volt version)

BLE-150CS-115/M
CONCENTRATED SPOT BULB

Self-Ballasted, 150 Watt for BIB-150P Series Lamps (115 volt version)

BLE-150CS-230/M
CONCENTRATED SPOT BULB

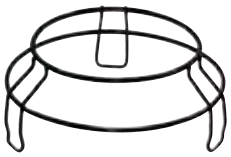
Self-Ballasted, 150 Watt for BIB-150P Series Lamps (230 volt version)

BLE-150FC-115/M
CONCENTRATED SPOT BULB

Self-Ballasted, 150 Watt for FC-150 Lamp (115 volt version)

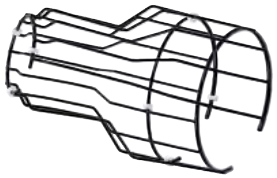
BLE-150FC-230/M
CONCENTRATED SPOT BULB

Self-Ballasted, 150 Watt for FC-150 Lamp, (230 volt version)



FP-175
FILTER PROTECTOR/LAMP STAND

for BIB-150PR and FC-Series Lamps



HGS-100A
HEAT GUARD/STAND

for SB-100P Series Lamps

HGS-150A
HEAT GUARD/STAND

for BIB-150P and BIB-150PX Lamps

***Mercury Vapor Bulbs.**

COMPANY BACKGROUND

Spectronics Corporation is the world's leading manufacturer of ultraviolet equipment and fluorescent materials. Spectronics supplies over 1,000 different products for the nondestructive testing, laboratory, biotechnology, industrial, electronics, semi-conductor, forensics, financial, automotive, HVAC/R and other markets.

Spectronics' modern, 100,000 square-foot manufacturing facility and office headquarters is located in Westbury, New York. Nearly 200 personnel are involved in all phases of research and development, manufacturing, sales, marketing, customer service, and logistical and technical support.

Over five decades since its inception, the goal of Spectronics is still the same — to produce effective, top-quality products with the utmost dedication to customer satisfaction.

SPECTRONICS CORPORATION

Warranty

All equipment is warranted against defects in manufacture. Spectronics Corporation's obligation under this warranty is limited to repairing or replacing, at the option of Spectronics Corporation, any part(s) of the product which, if properly installed, used and maintained, proves upon factory examination to have been defective in materials or workmanship within 12 months from the date of delivery to the customer, including LEDs.

This warranty does not apply to any component which (1) is normally consumed in operation or (2) has a normal life inherently shorter than the warranty stated. For example, bulbs, filters and rechargeable batteries are warranted for 30 days; the 100S/M-PQL bulb is warranteed for 90 days. In addition, Spectronics Corporation does not warrant any instrument that has been subjected to misuse, negligence or accident, or has been repaired or altered by anyone other than Spectronics Corporation.

This warranty is in place of all other warranties of quality. There are no other warranties either oral, written, express, implied or statutory. IMPLIED WARRANTIES OF FITNESS FOR PURPOSE AND MERCHANTABILITY ARE EXCLUDED. This warranty and your remedies thereunder are solely as stated in this form. In no event shall Spectronics Corporation be liable for special, indirect, incidental or consequential damages, nor for any damages arising out of delay in shipment or production.

Product Specifications

Spectronics Corporation reserves the right to alter product specifications without notice. Spectronics is under no obligation to make similar changes in its products previously produced.

Product/Customer Support & Technical Assistance

Product literature, instructions and a full staff of trained customer service representatives and technical service engineers are available for support. Additional product information and support are available on our website.

Order Information

Technical Assistance

Local Sales Representatives

Authorized Distributors

PHONE (516) 333-4840 | FAX (516) 333-4859 | WWW.SPECTROLINE.COM

UV-A LED INSPECTION LAMPS

UV-A STATIONARY LAMPS

UV-A MDL INSPECTION LAMP

UV-A/WHITE LIGHT LED MODULAR INSPECTION SYSTEM

BLUE LIGHT LED INSPECTION LAMPS

BLUE LIGHT LED MODULAR INSPECTION SYSTEM

DIGITAL RADIOMETERS

REPLACEMENT PARTS & ACCESSORIES

REPLACEMENT PARTS & ACCESSORIES (HID LAMPS)

CONTACT US:

956 Brush Hollow Road, Westbury, NY 11590
Phone (516) 333-4840 | Fax (516) 333-4859
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DETEK NONDESTRUCTIVE TESTING EQUIPMENT

BLUELINE MODEL FL5000™ INSPECTION LIGHT

The BlueLine Model FL5000 is a revolutionary new flashlight for fluorescent NDT inspection. It does the job that you are used to doing with high powered UV lights, but does it with much more ***convenience***.

- ***Compact, lightweight***
- ***Instant on/off***
- ***High intensity, low power consumption***
- ***Flashing mode for ambient light inspection***
- ***Doesn't get hot***
- ***No bulb to break or burn out***
- ***Safe blue wavelengths***
- ***Rugged, waterproof***

Three styles of filter glasses, all ANSI-certified safety glasses

Model FG1

Model FG2

Model FG3

6805 COOLRIDGE DR ■ TEMPLE HILLS MD 20748
301-449-7300 ■ 800-638-0554 ■ FAX 301-449-7011
EMAIL: sales@detek.com

Features

- Two high intensity 3W LEDs with current-regulated output
- Focusing optics for intense spot beam
- Matched with BlueLine filter glasses for maximum contrast
- Two operating modes – steady and flashing
- Non-breakable locking switch prevents accidental actuation
- Integral pistol style grip
- Front lens protected by heavy rubber boot for drop protection
- Tough, non-corroding ABS and polycarbonate plastic construction
- Rubber sleeve wrist lanyard
- Environmentally sealed - waterproof to 500 feet

Specifications

- Intensity: >3,500 $\mu W/cm^2$ at 15”
- Lamp life: >10,000 hours
- Batteries: 4 C cell alkaline
- Weight: 25 oz. (0.7 kg)
- Size: 5” L x 3.2” D (12.7 cm L x 8.1 cm D)

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301-449-7300 ■ 800-638-0554 ■ FAX 301-449-7011
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