

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 $\mu\text{W}/\text{cm}^2$** or maximum of **4,500 $\mu\text{W}/\text{cm}^2$** 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 $\mu\text{W}/\text{cm}^2$**
- 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
- 100,000-hour LED service life
- 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 FPI and MPI
- 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



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.

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 $\mu\text{W}/\text{cm}^2$	0.8 foot-candles (8.6 lux)	2 inch (5.0 cm)
OLX-365B High intensity, with internal black light filter	10,000 $\mu\text{W}/\text{cm}^2$	0.4 foot-candles (4.3 lux)	2 inch (5.0 cm)
OLX-365FL Standard intensity, with clear filter	4,500 $\mu\text{W}/\text{cm}^2$ 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 $\mu\text{W}/\text{cm}^2$ 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



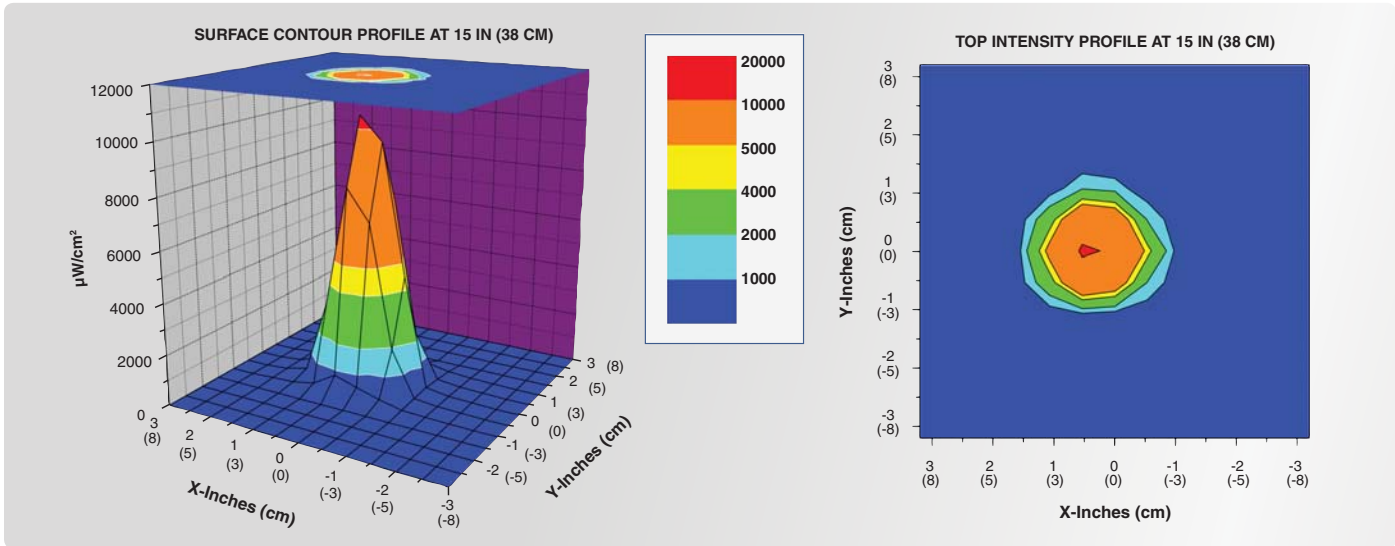
Replacement Parts & Accessories

- 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

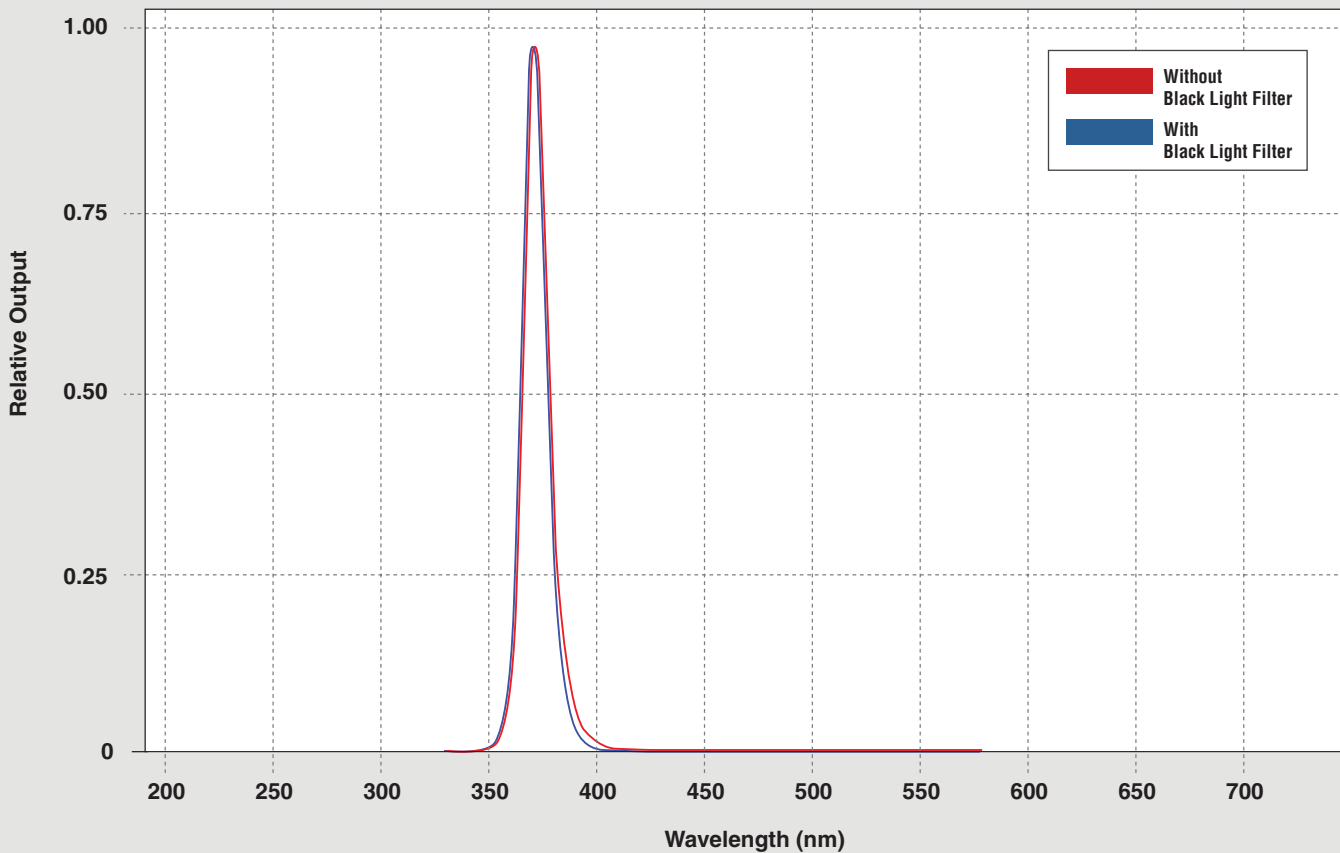
OPTI-LUX™ 365 Series flashlights are available in two *high-intensity* models that are designed for NDT inspection applications requiring high UV-A output. The **OLX-365** is equipped with a clear filter, while the **OLX-365B** comes with an internal black light filter that reduces the output of wavelengths longer than 400 nm. Both versions provide a nominal steady-state UV-A intensity of **10,000 $\mu\text{W}/\text{cm}^2$** at 15 inches (38 cm).

UV-A BEAM PROFILE



NORMALIZED UV IRRADIANCE

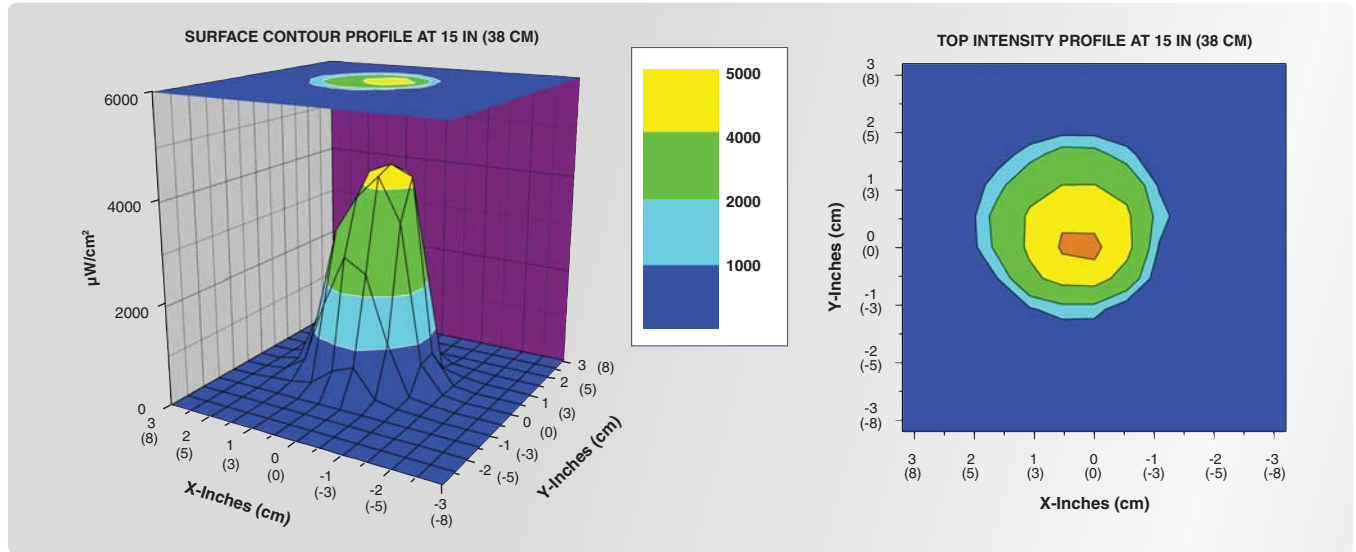
Typical wavelength output profile of OPTI-LUX™ 365 with and without internal black light filter, with peak at 365 nm.



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 $\mu\text{W}/\text{cm}^2$** maximum at 15 inches (38 cm), and comply with aerospace industry standards.

UV-A BEAM PROFILE



SELECT WAVELENGTHS WITH AND WITHOUT INTERNAL 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.

