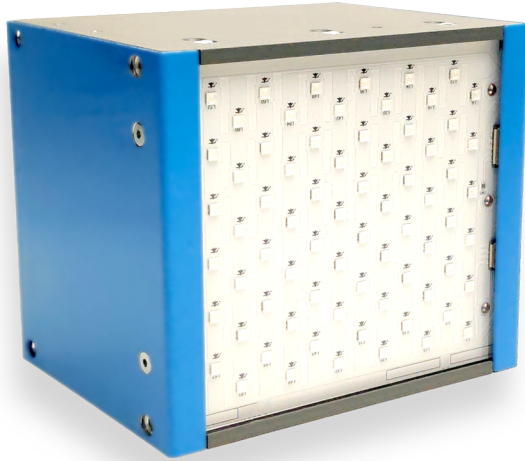


UVC-Pro LED Area Light

Compact, Powerful and Uniform 265nm light



The advances in UVC LED technology are enhancing existing applications and enabling new inspections. The new UVC-Pro LED Area Light is a cutting-edge solution combining the latest in UVC technology with a stackable form factor built for flexibility. Designed for system designers in machine vision, disinfection, and fluorescence applications, this compact yet powerful LED light delivers exceptional performance in a streamlined form factor.

Operating at 265nm, the UVC-Pro LED Area Light offers optimized output for critical applications, ensuring high efficiency and consistent results. Its uniform light distribution guarantees even illumination across surfaces, critical in demanding applications such as machine vision, fluorescence detection and disinfection.

Pharmaceutical and chemical analysis, inspection including defect detection, verification of coatings, adhesives, and other fluorescent markers, quality control, sorting and packaging verification can all benefit from this new UVC LED Area Light.

By leveraging advanced LED technology, the UVC-Pro LED Area Light eliminates the need for traditional mercury lamps, providing a safer, more environmentally friendly, and longer-lasting alternative. The compact design facilitates easy integration into systems, making it a seamless upgrade.

With ProPhotonix's expertise in integrating the latest in LED technology into cutting-edge lights, the UVC-Pro LED Area Light combines intense UVC output with durability and precision, tailored to meet the rigorous standards of today's applications.

Key Features

- Intensity: Up to 35mW/cm²
- Compact, stackable design
- Uniform light at 265nm

Applications

- Pharmaceutical and chemical analysis
- Inspection including defect detection
- Verification of coatings, adhesives, and other fluorescent markers
- Quality control
- Sorting
- Packaging verification

Spectral Characteristics

Part Number		800-0707-0265
Peak Wavelength ⁽¹⁾	nm	265±5
Spectral Width FWHM	nm	12

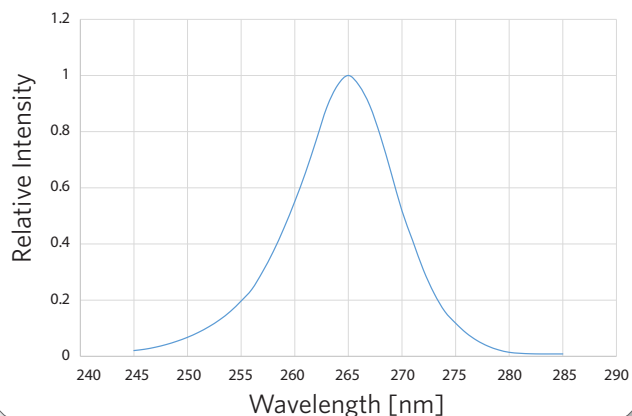
(1) Nominal wavelengths and tolerance include thermal shifting

Spectral Characteristics

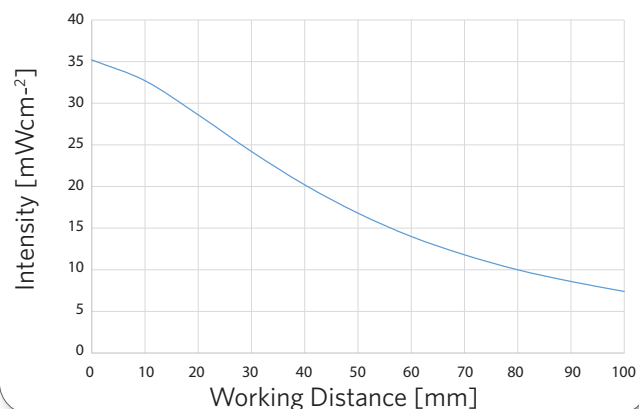
Part Number		800-0707-0265
Irradiance ⁽²⁾	mW.cm ⁻²	35.7

(2) Values for active cooling presented here correlate to the integrals of the overall emission profiles for each wavelength

Spectrum (T_a= 25°C)

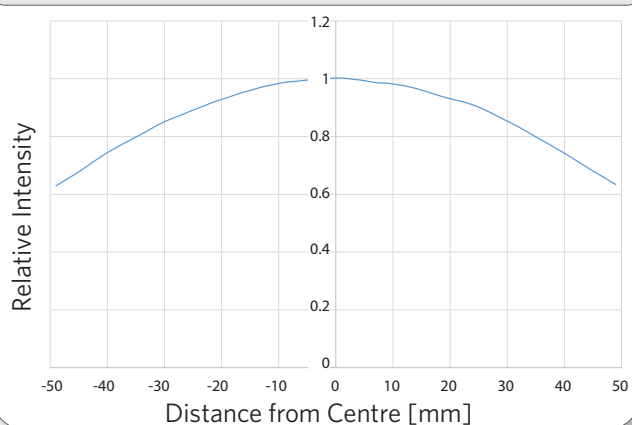


Intensity Versus Working Distance

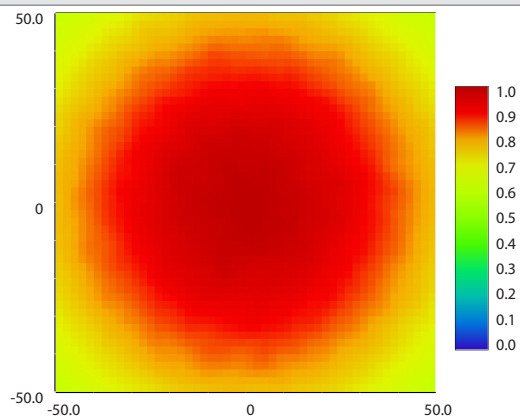


Line Width vs Working Distance for LF1 (Lensed)

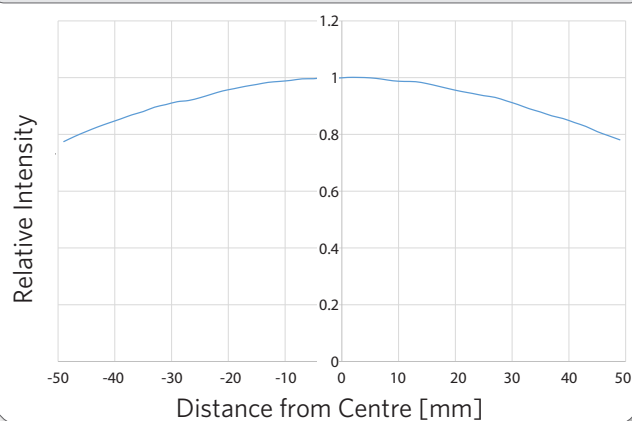
Intensity Profile at 50mm



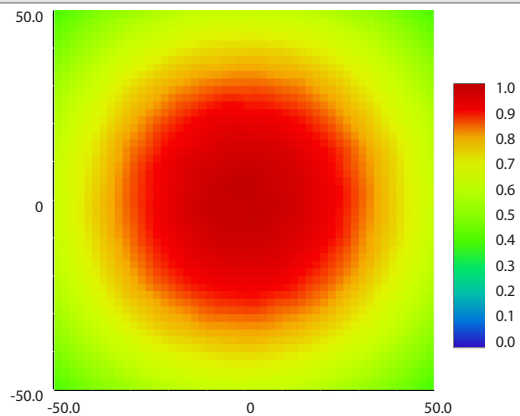
Intensity Distribution at 50mm



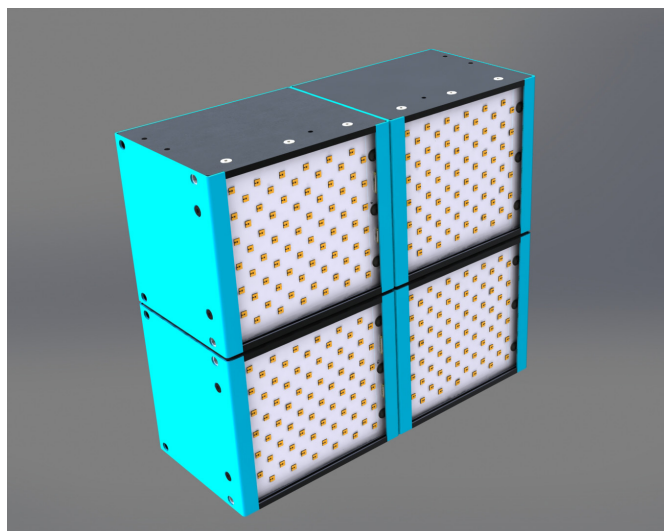
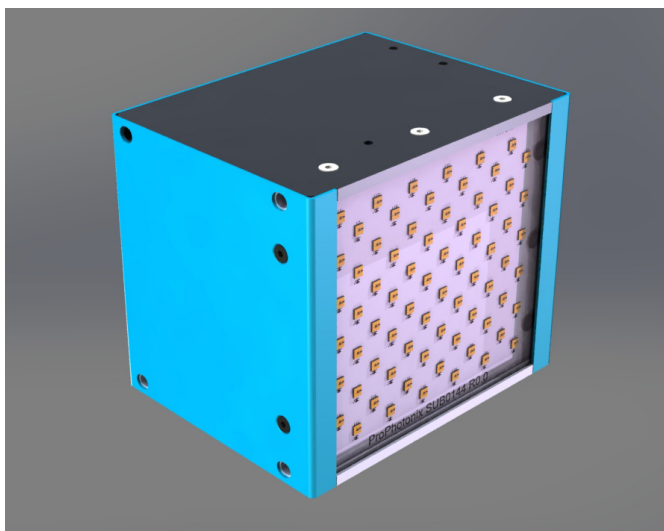
Intensity Profile at 100mm



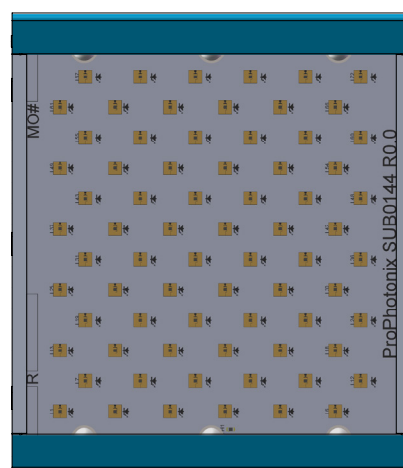
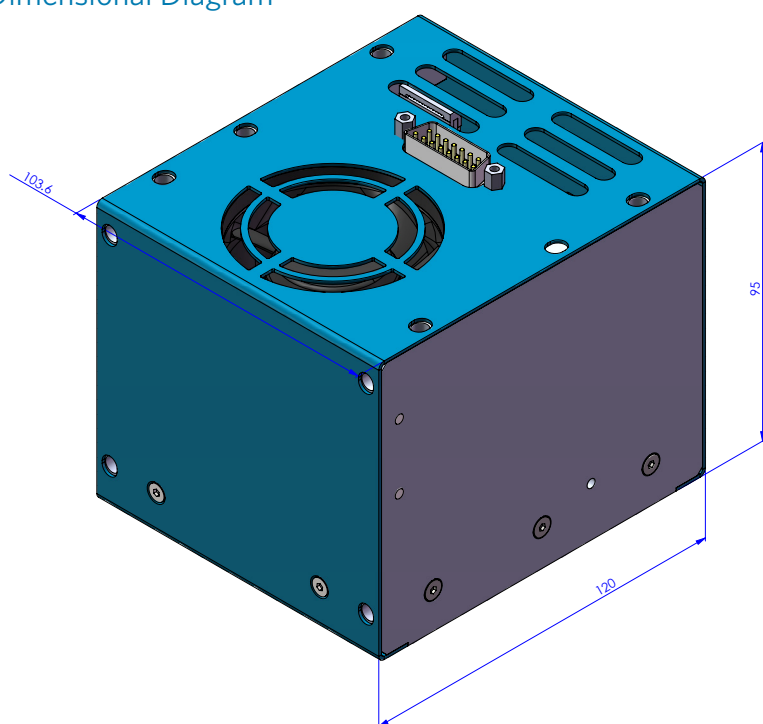
Intensity Distribution at 100mm



Stackable Design - 2 X 2 Array



Dimensional Diagram



Errors & Omissions Excepted. The information describes the type of product and shall not be considered as assured characteristics.

Document Revision:
(170125)

US Sales

Tel: +1 603-893-8778
sales@prophotonix.com

EMEA & ROW Sales

Tel: +44-1279-717170
sales@prophotonix.com

ProPhotonix and the ProPhotonix logo are trademarks of ProPhotonix, Inc. All other brand and product names are trademarks or registered trademarks of their respective holders. Copyright © 2025 ProPhotonix, Inc. All rights reserved.