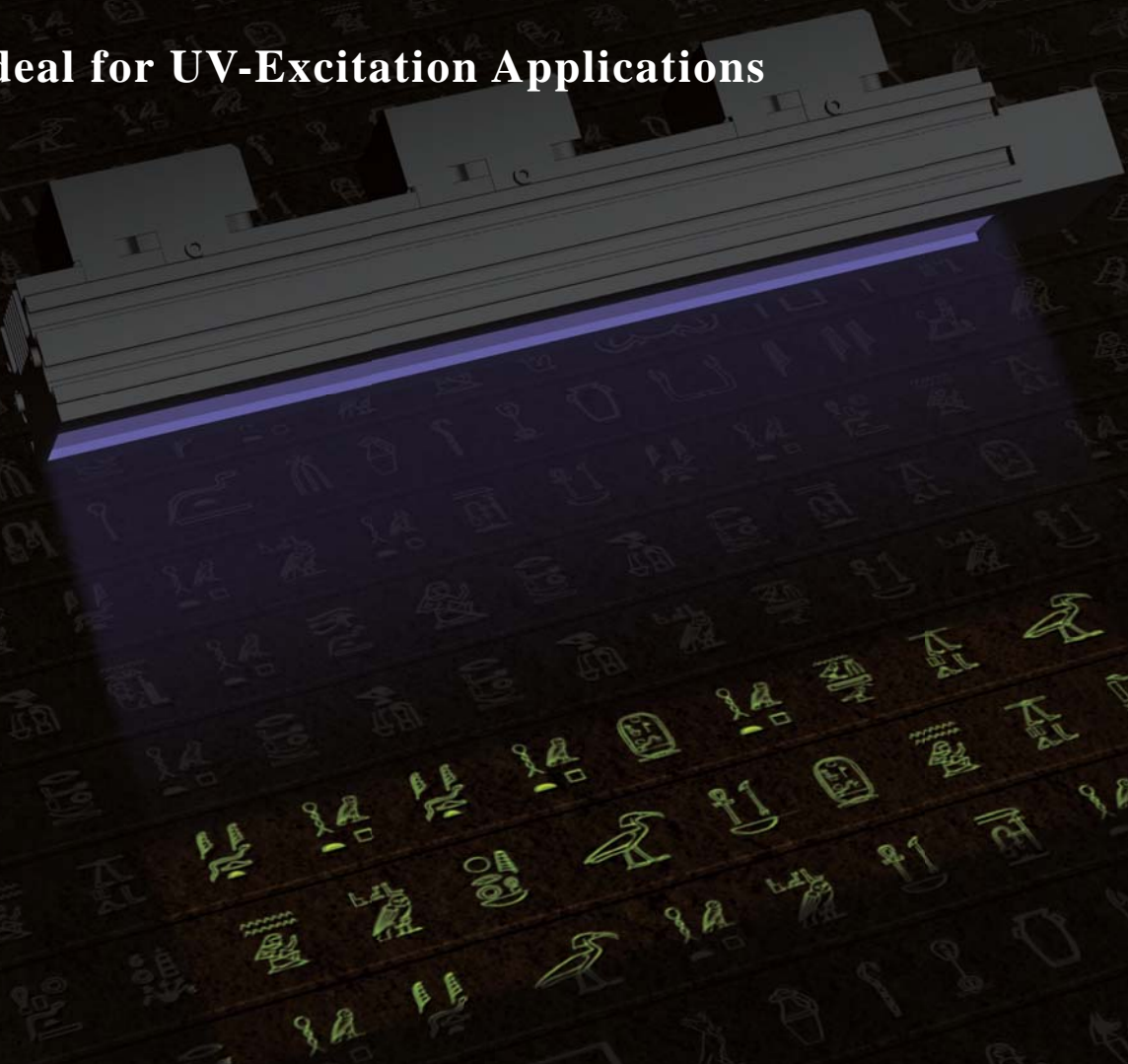


High-output UV-LED Light LNSP-UV-FN Series

Ideal for UV-Excitation Applications



Select the Best Directional Characteristics for the Application

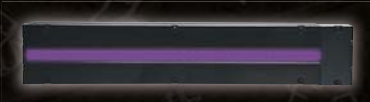
LNSP-UV365-FNNR

Wide Models

LNSP-UV365-FN

Narrow Models

Emitting Surface Lengths of 100, 200, and 300 mm



Wide Range of Application with Both Wide Irradiation and Narrow Irradiation Models

LNSP-UV365-FNNR

Wide Models

► Provides diffused illumination over a wide area.



Output Comparison
 Previous model (LDL-74x27UV365)
LNSP-UV365-FNNR **Approx. 40x**
*The brightness depends on the spectral sensitivity.

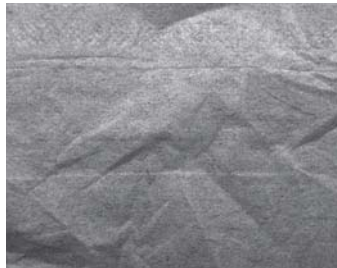
Application Examples

Image of Foreign Matter on Paper



White Tissue Paper

White Light



LNSP-300UV365-FNNR



Dust and other foreign matter on the paper can be captured. The paper absorbs ultraviolet lightwaves, so only the foreign matter disperses the light to provide high-contrast images.

Image of Contact Lenses



Packed Contact Lenses

Blue Light



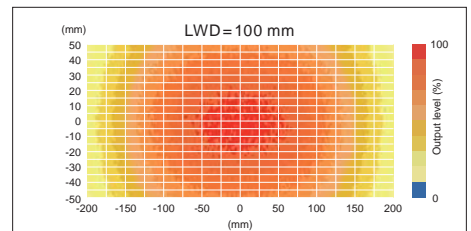
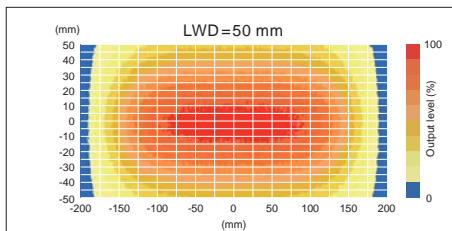
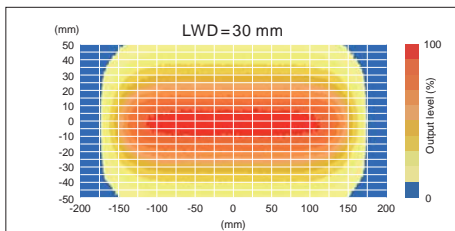
LNSP-300UV365-FNNR



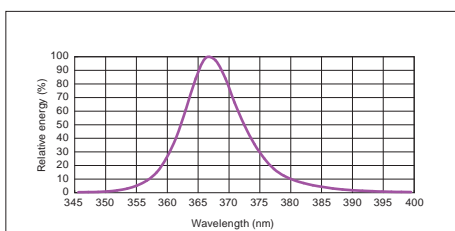
The presence of packaged contact lenses can be detected. Some types of contact lenses absorb ultraviolet lightwaves, which produces high-contrast images of the packed contact lenses.

Technical Data *Actual measurement values. (These values are for reference only.)

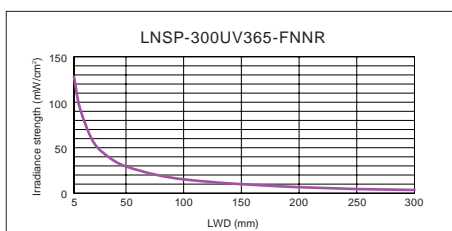
Brightness Distribution



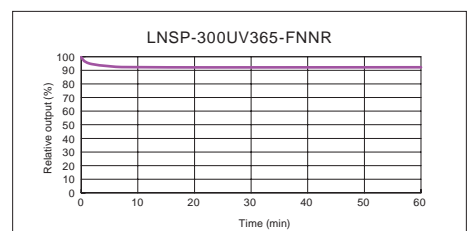
Spectral Distribution



Distance (LWD) Characteristic for Perpendicular Irradiation



Output Changes Over Time



LED illuminators with a 385 nm wavelength are also available as custom products.

*The data provided here is for reference only. Results for individual Units may vary.

LNSP-UV-FN Series of UV-LED Lights

LNSP-UV365-FN

Narrow Models

- ▶ Convergent irradiation in a narrow area.
Intensity loss is minimal, enabling long irradiation distances.



Output Comparison

Previous model
(LDL-74x27UV365)

LNSP-UV365-FN

Approx. 150x

*Output will vary based on the camera's spectral response.

Application Examples

Image of Alignment of Transparent Film

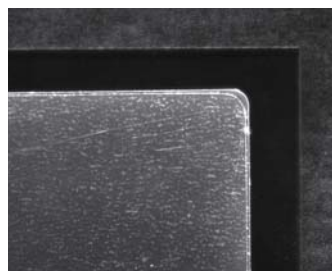


Transparent Board on Bottom with Film on Top

Blue Light



LNSP-300UV365-FN



The alignment of transparent film on a transparent board can be checked. Only the transparent film disperses the light, so the edges can be picked up in a high-contrast image of the transparent film.

Image of Invisible Codes



Plastic Plate with Code Printed in Invisible Ink

White Light



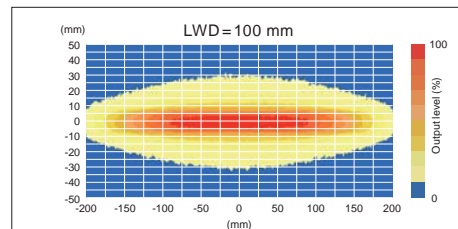
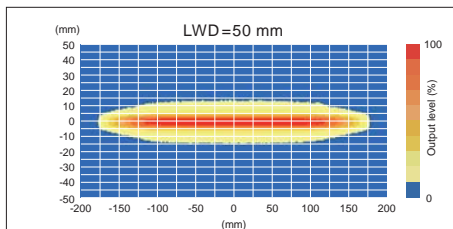
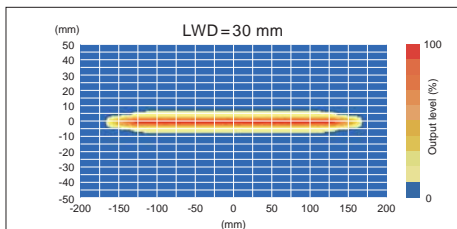
LNSP-300UV365-FN



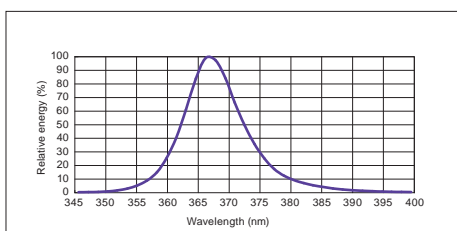
A code that is printed with invisible ink can be confirmed. The invisible ink reacts to wavelengths in the ultraviolet range. Irradiating the printed section produces a high-contrast image of the code.

Technical Data *Actual measurement values. (These values are for reference only.)

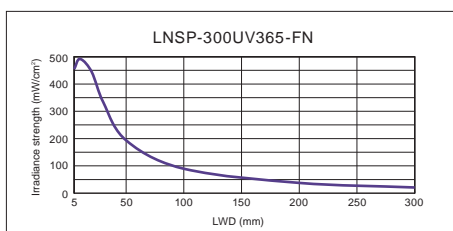
Brightness Distribution



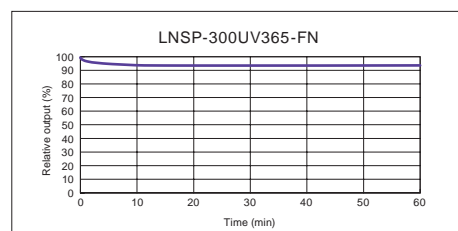
Spectral Distribution



Distance (LWD) Characteristic for Perpendicular Irradiation



Output Changes Over Time



LED illuminators with a 385 nm wavelength are also available as custom products.

*The data provided here is for reference only. Results for individual Irradiators may vary.

