

FOR IMMEDIATE RELEASE

CCS releases UV3/VL3 series LED lighting for image processing inspection



Kyoto, Japan, September 24, 2021 – CCS Inc., the world's leading manufacturer of LED lighting for image processing and inspection, launches the UV3/VL3^{*1} series of UV LED lighting for fluorescence

applications in image processing and inspection. Available in a wide variety of shapes, four wavelengths, and wide type and narrow type^{*2} light directivity.

UV lighting is used in inspection of electronic components and packaging by fluorescing adhesives, greases, inks, and coating agents. It is also widely used for magnetic particle inspection and dye penetrant inspection to detect defects such as scratches and cracks in automobile parts and machine parts.

The UV3/VL3 series has improved the brightness of all models, achieving a maximum brightness of about twice that of the existing UV2 series^{*3}. Users can improve productivity with faster manufacturing lines while still acquiring bright and detailed images. In addition to 365nm, wavelength options will be available in the violet range (385nm, 395nm, and 405nm).

Available in ring lights (including waterproof type), bar lights, spot lights, and line lights (including high-power type), with options for wide and narrow light directivity^{*4}.

CCS will continue to serve as a vendor of essential solutions that help customers illuminate what needs to be visible.







For more information, please do not hesitate to contact us or visit our website at www.ccs-grp.com.

^{*1}The UV series is for lighting with a wavelength of 365 nm, which is classified as ultraviolet, and the VL series is for wavelengths of 385, 395, and 405 nm, which are classified as violet within visible light.

^{*2}The wide type has a wide irradiation range for even illumination. The narrow type has a narrower irradiation range with high light directivity and irradiance even at longer working distances.

^{*3}Comparison between LDR2-60UV3-365-N and LDR2-60UV2-365-N. Irradiation distance of 100mm. The increase in brightness differs by model.

^{*4}Ring lights, bar lights, and high-power line lights are available in wide type and narrow type.

| | Model Name | Sizes (mm) | Peak Wavelength (nm) | Release Date |
|---|--|-------------------------------------|----------------------------------|--------------------|
| LDR2  | LDR2-●●UV3-365-W/N LDR2-●●VL3-□□□-W/N | φ60 φ100 | 365nm 385nm 395nm 405nm | September 27, 2021 |
| LDL  | LDL-●●X●●UV-365-W/N LDL-●●X●●VL3-□□□-W/N | 71X12 138X12 205X12 339X12 | | September 27, 2021 |
| LN  | LN-●●UV3-365 LN-●●VL3-□□□ | 61 128 195 | | September 27, 2021 |
| HLDR  | HLDR-IP67-100UV3-365 HLDR-IP67-100VL3-□□□ | φ100 | | September 27, 2021 |
| HLV2  | HLV2-24UV3-365 HLV2-24VL3-□□□ | - | | September 27, 2021 |
| LNSP-FN  | LNSP-●●UV3-365-FN LNSP-●●VL3-□□□-FN LNSP-●●UV3-365-FNNR LNSP-●●VL3-□□□-FNNR | 100 200 300 | | October 21, 2021 |

*●●●: size

*□□□: wavelength

*Model name ending with '-N': narrow type, '-W': wide type

*Model name ending with '-FN': narrow type, '-NR': wide type

*Models with 385nm, 395nm, or 405nm wavelengths are made to order. 405nm option coming soon.

From 1993, CCS advanced the machine vision industry by developing LED lighting for inspection that Created Customer Satisfaction for both manufacturers and their consumers, who demanded safe, high-quality goods. Today, CCS leads the machine vision world in innovation with thousands of products including lights, controllers, and accessories. CCS's global network of employees is dedicated to helping manufacturers capture the most important details in an inspection, so that their customers never receive anything less than their highest quality.

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