SQR-TP HLDR-IP

LFV2

CU-LNSP LNSP-FN LN/LN-HK

LNSD LND2 HLND

LT LNV/HLDN

LNIS-FN OF S

Macro Lens

Ultraviolet Lights UV2 series

Refer to our website for product details.

CCS UV2

Use a search engine

▶ Search

vour smartphone

UV Lights that use high output UV-LEDs



Applications

Inspection for detecting seal material through fluorescent excitation, reading invisible code, inspections using differences in spectral reflectivity, and inspections using differences in scattering rates, etc.

For fluorescent observation and observation using scattering rates

Using high output UV-LEDs, we significantly increased output compared to conventional products.

Comparison of imaging with conventional product



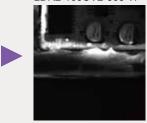
Adhesive application inspection Workpiece | Circuit board

Conventional product (LDR2-90UV365)



The conventional product lacks output and fluorescent observation is difficult.

LDR2-100UV2-365-W

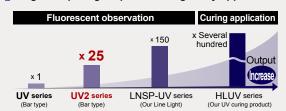


The increased output of the high output UV Light allows for fluorescent observation.

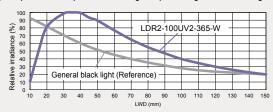
Using high output UV-LEDs

The high output UV illumination allows for stable fluorescent observation. Ring, bar, and spot formats are available.

Image comparing output of UV Lights by application



Comparison of output between a high output UV Light and a black light



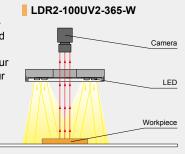
* The data included is for reference only and does not guarantee the quality of this product.

Custom orders



Example configuration

Ring Lights that use high output UV-LEDs. Bar types and spot types are also available. Select your format to match your needs

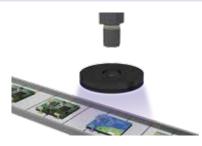


We have various materials.

Product Fliers

http://www.ccs-grp.com/dl/

Imaging example: Imaging of the application of coating material on a circuit board



Description	Visual inspection
Workpiece	Circuit board
Before the proposal	LED Ultraviolet Light
After the proposal	LDR2-100UV2-365-W
Result	Fluorescent excitation via ultraviolet lighting

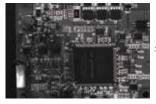
Workpiece image



Circuit board

*This workpiece was processed by CCS for sample imaging.

General fluorescent lamp



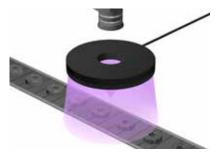
With a general fluorescent lamp, fluorescent observation is difficult.

LDR2-100UV2-365-W



With a high output UV Light, fluorescent observation is possible. *Use an optional filter for imaging with increased contrast.

Imaging example: Imaging of grease application on a bearing



Description	Visual inspection
Workpiece	Bearing
Before the proposal	LED visible light lighting
After the proposal	LDR2-100UV2-365-W
Result	Fluorescent excitation via ultraviolet lighting

Workpiece image



Bearing

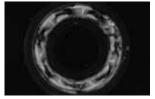
LDR2-60UV2-365-W

LED visible light lighting



With white light, it is difficult to capture the application of the grease.

LDR2-100UV2-365-W



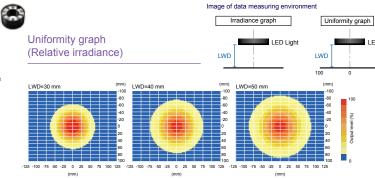
With a high output UV Light, fluorescent observation is possible.

Data: Relative irradiance graph/Uniformity graph (Representative example)

* The graph included is for reference only and does not guarantee the quality of this product.

LED Light

Relative irradiance graph *1 (LWD Characteristics) *2 *1: Irradiance on the optical axis *2: Illuminating distance from the Light Unit to the workpiece



You can inquire using our website.

Requests for

Requests for Loan

Inquire on our website here. http://www.ccs-grp.com/contact/

LDR2

LDR2-LA LDR-LA1 SQR SQR-TP invergent HLDR-IP

HPR LFR LKR FPR FPQ2 LDL2 Pirect Lighting TDTB HLDL2

TH LFL HPD2 HPD LDM2 LAV PDM

LFX2 LEV3 LFV2 Ughting MSU MSU MSU

MFU UV LNSP-UV-FN

Infrared Lighting HLV2 ١٧

LSP HFS/HFR HLV2-NR HLV2-3M-RGB-3W PFB2

PFBR LNSP CU-LNSP LNSP-FN LN/LN-HK

LNSD LND2

Diffused HIND HIND

LNV/HLDN

LNIS LNIS LNIS-FN

Macro Lens

^{*} This workpiece was processed by CCS for

^{*}Use an optional filter for imaging with increased contrast.

MSU

IR2

Data: Relative irradiance graph/Uniformity graph (Representative example)

* The graph included is for reference only and does not guarantee the quality of this product.

LED Light LWD

LWD

mage of data measuring

LED Light

LDL-205X12UV2-365

Relative irradiance graph *1 (LWD Characteristics) *2

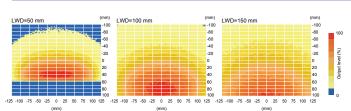
*1: Irradiance on the optical axis
*2: Illuminating distance from the Light Unit to the workpied

*3: Illuminating distance from the Light Unit to the workpied

*3: The control of the co

10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 LWD (mm)
*Simulation value (This does not guarantee product quality.)

Uniformity graph (Relative irradiance)



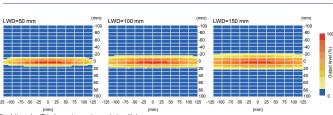
LN-195UV2-365

Relative irradiance graph *1 (LWD Characteristics) *2

*1: Irradiance on the optical axis
*2: Illuminating distance from the Light Unit to the workpiece

**Option of the Community of the Community

(Convergent type)
Uniformity graph
(Relative irradiance)



Cautionary information regarding UV products

- Do not expose your eyes or skin to direct UV irradiation.
- When using an UV illumination, be sure to wear UV blocking eye wear and avoid looking at irradiating parts (emitting parts).
- Do not turn on UV-LED irradiating parts (emitting parts) if they are facing someone's eyes.
- Wear long sleeves and gloves to protect your skin from UV irradiation.
- Thoroughly educate all those involved near the product about the dangers of UV LEDs.



(E.g.) UV blocking eye wear

Options



Blocks light with a wavelength of 420 nm or lower, transmits light with a longer wavelength.

Ultraviolet cutting filter L42 series

Model name	Size		
L42-25	M25.5 P0.5		
L42-27	M27.0 P0.5		
L42-30	M30.5 P0.5		
L42-40	M40.5 P0.5		
L42-46	M46.0 P0.75		

▶ P.215



Transmits light with wavelength range of approx. 280 nm to 380 nm, centered around 340 nm.

Ultraviolet transmission filter U340 series

Model name	Size	
U340-25	M25.5 P0.5	
U340-27	M27.0 P0.5	
U340-30	M30.5 P0.5	
U340-40	M40.5 P0.5	
U340-46	M46.0 P0.75	

▶ P.215

Lineup

Series	Model name	LED color	Power consumption	Peak wavelength	Options	Recommended Control Units	Weight
LDR2	LDR2-60UV2-365-W	Ultraviolet	24 V / 7.6 W	365 nm	Ultraviolet cutting filter	PD3	170 g
LDRZ	LDR2-100UV2-365-W	Oltraviolet	24 V / 23 W	365 1111	Ultraviolet transmission filter	* Can only use the 60 size.	250 g
	LDL-71X12UV2-365		24 V / 7.6 W			PD3 CC-ST-1024*	300 g
LDL	LDL-138X12UV2-365	Ultraviolet	24 V / 16 W	365 nm	Ultraviolet cutting filter Ultraviolet transmission filter	PSB	500 g
	LDL-205X12UV2-365		24 V / 23 W			PD3	700 g
	LN-61UV2-365		24 V / 7.6 W			PD3 CC-ST-1024*	450 g
LN	LN-128UV2-365	Ultraviolet	24 V / 16 W	365 nm	Ultraviolet cutting filter Ultraviolet transmission filter	PSB	750 g
	LN-195UV2-365		24 V / 23 W			Control Units PD3	1,050 g
HLV2	HLV2-24UV2-365	Ultraviolet	0.7 A / 3.2 W	365 nm	Ultraviolet cutting filter Ultraviolet transmission filter	PD3 PJ	50 g
LED Propertie	es: Light Spectrum P.234	Extension	Cables ▶ P.222	Control Unit	Selection Guide P.181	Control Unit Page ▶	P.185

^{*} Please inquire if you would like to use in combination with a Strobe Control Unit (overdrive type).

We have various materials.

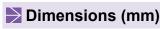
PDF Drawings DXF Drawings 3D CAD

nstruction Guides Product Fliers

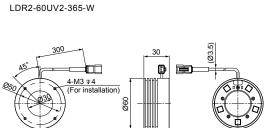
Imaging Samples Data Sheets

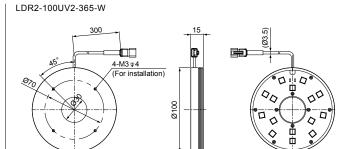
Examples of Custom Ordered Products

Download here. http://www.ccs-grp.com/dl/

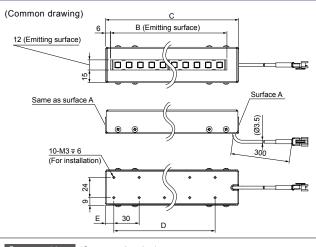


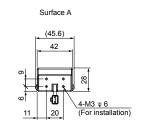
Ring Lights





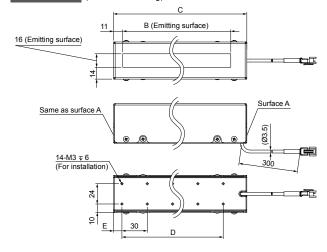
Bar Lights

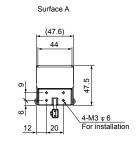




Model name	В	С	D	Е
LDL-71X12UV2-365	71	91	P30x2=60	10
LDL-138X12UV2-365	138	158	P30x4=120	10
LDL-205X12UV2-365	205	225	P30x6=180	20

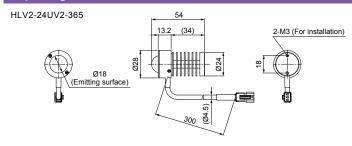
Convergent type (Common drawing)





Model name	В		D	Е
LN-61UV2-365	61	91	P30x2=60	10
LN-128UV2-365	128	158	P30x4=120	10
LN-195UV2-365	195	225	P30x6=180	20

Spot Lights



You can change the connectors of the Light Unit cable (except for the HLV2-24UV2-365). Choose between M12 connectors and flying leads. Refer to P.125 for details.

LFX2

Diffused

HFS/HFR
HLV2-NR
HLV2-3M-RGB-3W
PFB2
PFBR
LNSP

PFBR

LNSP
CU-LNSP
LNSP-FN
LN/LN-HK

LN/LN-HK
LNSD
LND2
HLND

Diffused HTND TT

LNV/HLDN englight balgur LNIS LNIS-FN

S Telecentric Ler