LDR2 DILDR-L SQR LDR-LA1 SQR-TF HLDR3

HPR2

TH2 (5 types)

HPD2

LDM2 LAV PDM LFXV LFX3 LFX3-P

LFV3 LFV3-G

MSU MFU

PF

Mater-Proof Al-NOTH

HSL-PCL

UV3/VL3

IR2 (Under 1000-nm Type)

IR (Over 1000-nm Type)

LDF-RLS

HFS/HFR HLV3-22-4-NR HLV3-3M-RGB-4

PFBR-600SW2

SLG-150V-CCS

PFBR-150

PFB3(A)

E LNLP

LNSP2

Coaxial Units LNSP-FN

LN/LN-HK

LNSD

LND2

LT

LNV LFXV (Rectangular Type)

LNDG

LNIS-FN Telecentric Lens Macro Lens

Line Alique Angle

IU HLV3 LV

LFR LKR FPR FPQ3 LDL2 LDLB HLDL3

Ultraviolet/Violet Lights

UV3/VL3 Series



Increased range of applications with high output and 4 wavelengths



LDR2-60UV3/VL3-N (Narrow Type)



LDL-71X12UV3/VL3-N (Narrow Type)



LN-61UV3/VL3



LDR2-60UV3/VL3-W



LDL-71X12UV3/VL3-W (Wide Type)



HLDR-IP67-100UV3/VL3



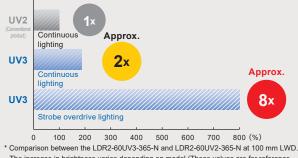
HLV2-24UV3/VL3

* 365 nm wavelength for ultraviolet light UV3 Series. 385 nm, 395 nm, and 405 nm wavelengths for violet light VL3 Series

Special ink observation, deep magnetic particle scratch inspection, adhesive coating inspection, deep penetration scratch inspection, coating inspection, etc.

Increased Brightness When Overdriving

Comparison with a conventional product (LDR2-60UV3-365-N)



The increase in brightness varies depending on model.(These values are for reference only and are not guaranteed values.)

Imaging special ink on can Example of imaging with UV2



it difficult to perform fluorescence observation for special inks.

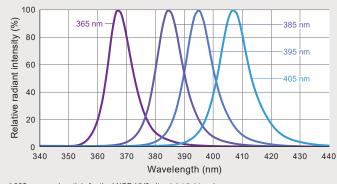


Example of imaging with UV3

Enables fluorescence observation for special inks even with faster shutter speed.

4 Wavelengths (365/386/395/405 nm) Expand Possible Applications

Spectral distribution



* 365 nm wavelength is for the LNSP-UV3 ultraviolet light se 385 nm, 395 nm, and 405 nm wavelengths are for the LNSP-VL3 series

Cautionary Information regarding UV Products

- Do not expose your eyes or skin to direct UV irradiation
- When using 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 eves.
- Wear long sleeves and gloves to protect your skin from UV
- Thoroughly educate all those involved near the product about the dangers of UV LEDs.

E.g.: UV blocking eye wear

LDF-NB

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Various technical documents available.

DXF

Product

^{*} Comparison of imaging at 1ms shutter speed

SQR-TP
HLDR3
HPR2
LFR

LKR

FPR

LDLB

PF HLDR-IP HSL-PCL

UV3/VL3

IR2 Under 1000-nm Type] IR

(Over 1000-nm Type

LDF-RLS

IU

HLV3 LV

HFS/HFR HLV3-22-4-NR HLV3-3M-RGB-4 PFBR-600SW2

PFBR-150

PFB3(A)

Coaxial Units

LN/LN-HK

LNSD LND2

LNDG LNIS2 LNIS

LNV H

LNLP

SLG-150V-CCS

HLDL3

TH2 (5 types)

LFL

HPD2

LDM2

LAV

PDM

LFXV

LFX3

LFX3-PT

LFV3-G

MSU

Imaging Example: Imaging Adhesive on an Imaging Sensor Substrate

Workpiece image



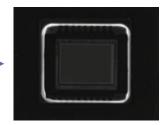
Imaging sensor substrate

White LED lighting (LDR2-90-30SW2)



It is difficult to capture the adhesive with white LED lighting.

UV-LED lighting (LDR2-100UV3-365-W)



With UV light, the adhesive can be observed because of emitted fluorescent light.

Imaging Example: Imaging of Grease Applied on a Gear Part

Workpiece image



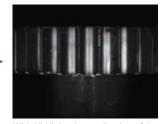
Gear part

White LED lighting (LDR2-90SW2)



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

UV-LED lighting (LDL-138X12UV3-365-W)



With UV light, the application of the grease can be observed because of emitted fluorescent light.

Data: Relative Irradiance Graph and Uniformity (Representative Example)

LDR2-100UV3-365-N

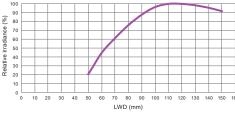


(Narrow Type)

The data included is for reference only. Actual values may vary.

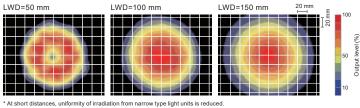
Relative irradiance graph*1 (LWD characteristics)*2

- *1 Irradiance on the optical axis
- *2 Illuminating distance from the light unit to the workpiece



LDR2-100UV3-365-W (Wide Type)

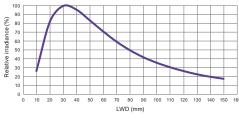
Uniformity (Relative irradiance)



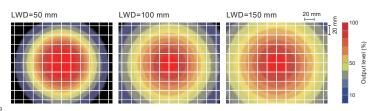
This may affect imaging depending on the type of workpiece.

Relative irradiance graph*1 (LWD characteristics)*2

- *1 Irradiance on the optical axis
- *2 Illuminating distance from the light unit to the workpiece



Uniformity (Relative irradiance)



You can inquire using our website.

Sample Testing Light Unit Selection Free Product Trial Custor

Product Details Pricing/ Quotation Discontinued Products https

Inquire on our website here. https://www.ccs-grp.com/contact/ Telecentric Lens
Macro Lens
LDF-NB

LDR2

LDR2-LA LDR2-LDR-L SQR LDR-LA1

SQR-TF

HLDR3 HPR2 LFR LKR FPR

FPQ3

LDL2

LDLB

HLDL3

ΙB Flat

HPD2

LDM2 LAV PDM LFXV LFX3

LFX3-P

LFV3-G MSU

LFV3

MFU

PF

Mater-Proof Al-NOTH HSL-PCI UV3/VL3

> IR2 (Under 1000-nm Type IR (Over 1000-nm Type)

LDF-RLS

IU

HLV3

HLV3-22-4-NR

HLV3-3M-RGB-4

PFBR-600SW2 PFBR-150 SLG-150V-CCS PFB3(A)

LNLP
LNSP2
Coaxial Units
LNSP-FN
LN/LN-HK

LN/LN-HK LNSD

ngular Type TH2

(Diffused) (Diffused) (Rer Th

LNDG Line ique Angle LNIS2

> LNIS-FN Telecentric Lens Macro Lens LDF-NB

LV HFS/HFR

UV3/VL3 Series



CCS UV3/VL3



Refer to our website for product details.



Data: Relative Irradiance Graph and Uniformity (Representative Example)

The data included is for reference only

HLDR-IP67-100UV3-365

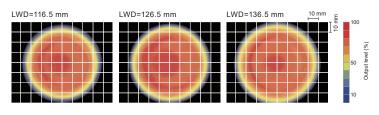


Regarding recommended distance

Uniformity (Relative irradiance)

Recommended illuminating (126.5 mm±10 mm)





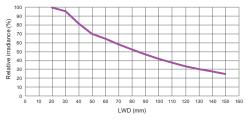
LDL-71X12UV3-365-N (Narrow Type)



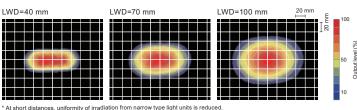
Relative irradiance graph*1 (LWD characteristics)*2

*1 Irradiance on the optical axis

*2 Illuminating distance from the light unit to the workpiece



Uniformity (Relative irradiance)



This may affect imaging depending on the type of workpiece.

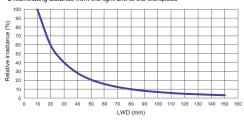
LDL-71X12UV3-365-W (Wide Type)



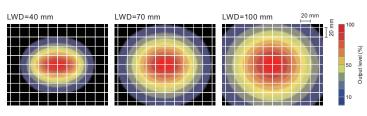
Relative irradiance graph*1 (LWD characteristics)*2

*1 Irradiance on the optical axis

*2 Illuminating distance from the light unit to the workpiece



Uniformity (Relative irradiance)



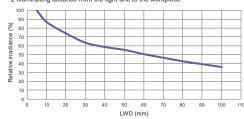
HLV2-24UV3-365



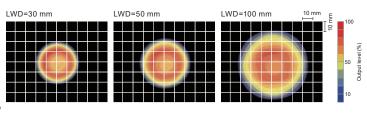
Relative irradiance graph*1 (LWD characteristics)*2

*1 Irradiance on the optical axis

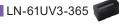
*2 Illuminating distance from the light unit to the workpiece



Uniformity (Relative irradiance)



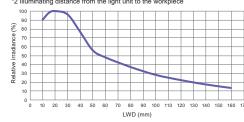
LN-61UV3-365



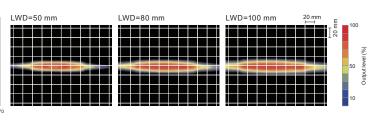
Relative irradiance graph*1 (LWD characteristics)*2

*1 Irradiance on the optical axis

*2 Illuminating distance from the light unit to the workpiece



Uniformity (Relative irradiance)



Various technical documents available.

PDF Drawings

DXF Drawings Product

Instruction Guides

3D CAD

Digital Catalogs

Register to use them.

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LDR2 LDR-LA1 SQR SQR-TP HLDR3 HPR2

Lineup End of the model name -N: Narrow Type / -W: Wide Type

Wavelength 385/395/405 nm will be manufactured on a built-to-order system

			vvave	lengin 365/395/405 nm will be manufacture	don a bulli-to-order system
Model Name ^{*1}	LED Color	Power Consumption	Extension Cables	Recommended Control Units	Weight
LDR2-60UV3-365-N/-W	Ultraviolet			PD4 PD3	End of the model name -N: 80g
LDR2-60VL3-□-N/-W	Violet	24 V / 7.6 W			End of the model name -W: 85g
LDR2-100UV3-365-N/-W	Ultraviolet	041//0014/			End of the model name -N: 210g
LDR2-100VL3-□-N/-W	Violet	24 V / 23 W		POD'5	End of the model name -W: 240g
LDL-71X12UV3-365-N/-W	Ultraviolet	041/47.01/4		PD4 PD3	070
LDL-71X12VL3-□-N/-W	Violet	24 V / 7.6 W		CC-ST-1024 POD'5	270 g
LDL-138X12UV3-365-N/-W	Ultraviolet	24 V / 16 W			
LDL-138X12VL3-□-N/-W	Violet	24 V / 16 W	FCB'3 Straight Cable		450 g
LDL-205X12UV3-365-N/-W	Ultraviolet	04.1/ / 00.11/	FCB-W *4 2-branch Cable	PD4 PD3 POD's	COO
LDL-205X12VL3-□-N/-W	Violet	- 24 V / 23 W	FCB-F 4-branch Cable		600 g
LDL-339X12UV3-365-N/-W	Ultraviolet	04.7// 20.79/	FRCB Robot Cable		050 -
LDL-339X12VL3-□-N/-W	Violet	- 24 V / 38 W			950 g
LN-61UV3-365	Ultraviolet	24.V./7.6.W		PD4 PD3	430 g
LN-61VL3-	Violet	24 V / 7.6 W		CC-ST-1024 POD'5	430 g
LN-128UV3-365	Ultraviolet	24 V / 16 W			700 g
LN-128VL3-	Violet	24 V / 10 W		PD4 PD3	
LN-195UV3-365	Ultraviolet	24 V / 23 W			970 g
LN-195VL3-□	Violet	24 V / 23 W			970 g
HLDR-IP67-100UV3-365	Ultraviolet	24 V / 18 W	FCB-M12	PD4 PD3	420 %
HLDR-IP67-100VL3-□	Violet	24 V / 18 VV	Straight Cable (Dedicated cables)	POD*5	420 g
HLV2-24UV3-365	Ultraviolet	0.7 A / 2.8 W	FCB'3 Straight Cable	PD3 ^{*2} CC-PJ-0707	F0 ~
HLV2-24VL3-□	Violet	U./ A/ 2.8 W	FRCB Robot Cable	PJ PJ2	50 g
1 ☐ in the model name contains the waveler	igth Extens	sion Cables ▶ P.383	Control Unit Selection G	uide ▶ P.309 List of Control Unit	Specifications ▶ P.311

Control Unit Selection Guide ▶ P.309 List of Control Unit Specifications ▶ P.311

*2 Not compatible with PD3-3024-3 Series or PD3-5024-3 Series.

2 Not companied with PD5-3024-3 Selles to 170-3024-3 Selles.

"3 The cables with a model name that ends with "ME7", "EE2", "PF", or "-PF-EL9" are not included.

"4 The cables with a model name that ends with "-EL2" are not included.

*5 For information on the combination of light units and POD Series control unit, please refer to our website. https://www.ccs-grp.com/lnk/qr/pod

Note: Models without POD as the recommended control unit cannot be used in combination with the strobe overdrive control unit. Please contact us if you would like to make a special order for the combination.

About HLDR-IP67

Case Material

	LED Light	Dedicated Cables		
Case Material	Body: aluminum alloy (black anodized) Screws: SUS Washers: SUS, elastomer (TPE) Connectors: PA resin Lens: silicone	Light unit side connector: soft PBT Cable: PVC Control unit side connector: nylon		

The 1st numeral "6" indicates the following level of protection:

No dust inside the instrument, (dustproof)

The 2nd numeral "7" indicates the following level of protection:

- No damage when submerged in water at the rated pressure for the rated time. (watertight type)
- Can be submerged in water to a depth of 1 m (for instruments with a height of less than 850 mm) for 30 minutes.

Cautionary Information regarding Waterproofing

- After cleaning manufacturing lines, be sure to wipe away any moisture remaining on the lens. Imaging can be affected by moisture on the lens.
- Use water to wash away any cleaning agent adhered to this product.
- Use water to wash away any oils or chemicals adhered to this product.
- The control unit connectors (SM connectors) on dedicated cables are not waterproof.

LFR E LKR FPR LDLB HLDL3 TH2 (5 types) HPD2 LDM2 LAV PDM LFXV LFX3 LFX3-PT LFV3 LFV3-G MSU HLDR-IP HSL-PCI UV3/VL3 IR2 Under 1000-nm Type IR (Over 1000-nm Type LDF-RLS IU HLV3 LV HFS/HFR HLV3-22-4-NR HLV3-3M-RGB-4 PFBR-600SW2 PFBR-150 SLG-150V-CCS PFB3(A) LNLP LNSP2 Coaxial Units LNSP-FN LN/LN-HK LNSD LND2 LT Line Line LFXV (Rectangular Type) TH2 (Rectangular Type LNDG LNIS Z Telecentric Lens Macro Lens LDF-NB

You can inquire using our website.

Light Unit Selection

Free Product Trial

Custom Orders

Product Details

Discontinued Products

Inquire on our website here https://www.ccs-grp.com/contact/ LDR2

LDR2-LA LDR2-LDR-L SQR

LDR-LA1

SQR-TF HLDR3

HPR2

LKR

FPR

FPQ3 LDL2 LDLB HLDL3 ΙB TH2 (5 types)

LDM2

LAV PDM LFXV LFX3 LFX3-P

LFV3

MSU

MFU

PF

Mater-proof di-BdTH

HSL-PCL

UV3/VL3

LNSP-UV3-FN IR2 (Under 1000-nm Type)

IR (Over 1000-nm Type)

LDF-RLS

IU

HLV3

HLV3-3M-RGB-4 PFBR-600SW2

SLG-150V-CCS PFB3(A)

PFBR-150

LNLP
LNSP2
Coaxial Units
LNSP-FN
LN/LN-HK LN/LN-HK LNSD LND2

LT LNV

LFXV (Rectar ngular Type TH2

LNDG

LNIS-FN Telecentric Lens Macro Lens

Line ique Angle LNIS2

Other LDF-NB

LV HFS/HFR HLV3-22-4-NR

LFV3-G

Flat LEL HPD2

gent /

UV3/VL3 Series







Options



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

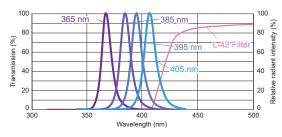
Ultraviolet cutting filter

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.374

Filter Characteristics and UV-LED Spectral Distribution



Imaging Examples

Workpiece



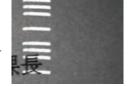
Postcard

Without ultraviolet cutting filter



Without a filter both UV and visible light are captured.

With ultraviolet cutting filter



By using a UV cut filter, only the excited scattering light from the ink will be captured.



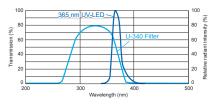
Transmits light with wavelength range of approx. 280 nm to 380 nm, centered around 340 nm

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.374

Characteristics of UV Transmission Filter and UV-LED Spectral Distribution



Transmits light with a specific range of wavelength and is available for a wide range of fluorescent wavelengths

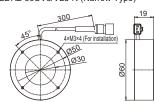
Band-pass filter

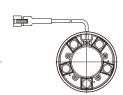
- F-BP Series
- · High transmittance at 90% or greater · Hard coated filter with high durability
- Twelve-product lineup available for a wide range of wavelengths

Dimensions (mm)

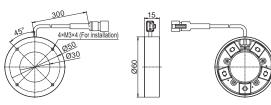
Ring Lights

LDR2-60UV3/VL3-N (Narrow Type)

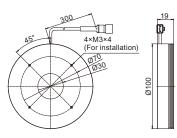


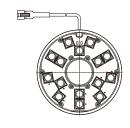


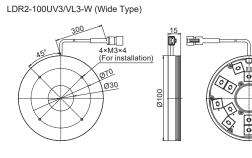
LDR2-60UV3/VL3-W (Wide Type)



LDR2-100UV3/VL3-N (Narrow Type)







Various technical documents available.

PDF Drawings

DXF Drawings Product Brochures

Instruction Guides

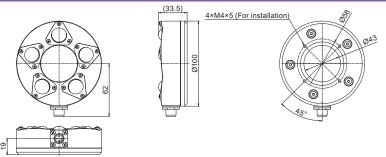
Data

^{*} Y48 filters to absorb wavelengths 480 nm or smaller are available for VL3 Series. Contact our local sales office for details.

Dimensions (mm)

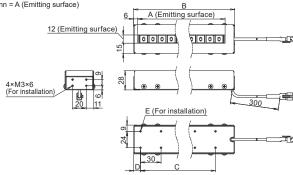
Ring Lights (Waterproof Type)

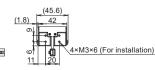
HLDR-IP67-100UV3/VL3



Bar Lights

LDL-nnnX12UV3/VL3-N/-W (drawings for both narrow type and wide type) nnn = A (Emitting surface)

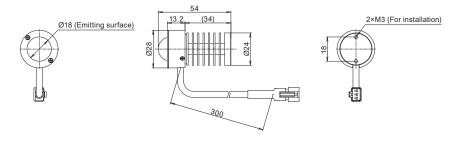




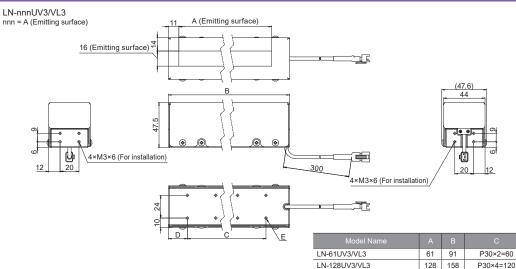
Model name	A		С		E
LDL-71X12UV3/VL3-N/-W	71	91	P30×2=60	10	6×M3×6
LDL-138X12UV3/VL3-N/-W	138	158	P30×4=120	10	10×M3×6
LDL-205X12UV3/VL3-N/-W	205	225	P30×6=180	20	14×M3×6
LDL-339X12UV3/VL3-N/-W	339	359	P30×10=300	29.5	22×M3×6

Spot Lights

HLV2-24UV3/VL3



Line Lights



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Sample Testing Light Unit Selection Free Product Trial Custom Orders Product Details Pricing/ Quotation

LN-195UV3/VL3

Discontinued Products Inquire on our website here. https://www.ccs-grp.com/contact/

195 225

P30×6=180

LDR2
LDR2-LA
LDR-LA1
SQR
SQR-TP
HLDR3
HPR2
LFR
LKR
FPR
FPQ3
LDL2
LDLB
HLDL3
LB
TH2 (5 types)
LFL HPD2
LDM2
LAV
PDM
LFXV
LFX3
LFX3-PT
LFV3
LFV3-G
MSU
MFU
PF
HLDR-IP
HSL-PCL
UV3/VL3
I NICD LIVE EN
IR2 (Under 1000-nm Type)
(Under 1000-nm Type)
(Over 1000-nm Type)
LDF-RLS
IU
HLV3
LV

HFS/HFR HLV3-22-4-NR

HLV3-3M-RGB-4

PFBR-600SW2 PFBR-150

SLG-150V-CCS
PFB3(A)
LNLP
LNSP2
Coaxial Units
LNSP-FN
LN/LN-HK
LNSD
LND2
LT
LNV
LFXV

LFXV (Rectangular Type) TH2 (Rectangular Type)

Telecentric Lens

Macro Lens

LDF-NB ag

LNDG

LNIS Z

Bar

Flat

6×M3×6

10×M3×6

14×M3×6

10

10

20

LDR-LA1 SQR SQR-TF HLDR3 HPR2 t LFR LKR FPR FPQ3

LDL2

LDLB HLDL3

HPD2 LDM2

LAV PDM LFXV LFX3

LFX3-P LFV3 LFV3-G

MSU

MFU

PF

Proof Proof

HSL-PCL

UV3/VL3

LNSP-UV3-FN

IR2 (Under 1000-nm Type)

IR (Over 1000-nm Type)

LDF-RLS

IU HLV3

LV HFS/HFR HLV3-22-4-NR

HLV3-3M-RGB-4

PFBR-600SW2

SLG-150V-CCS

PFBR-150

PFB3(A)

LNSP2
Coaxial Units
LNSP-FN
LN/LN-HK

LNSD

LND2

LT

LNV

LFXV (Rectar ngular Type)

LNDG

LNIS-FN Telecentric Lens Macro Lens LDF-NB

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Line ique Angle LNIS2

E LNLP

Ultraviolet/Violet Line Lights

LNSP-UV3/VL3-FN Series



Increased range of applications with high output and 4 wavelengths

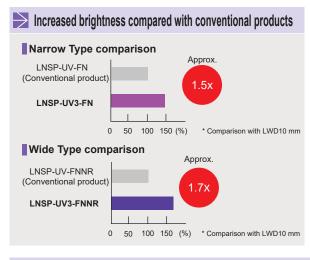


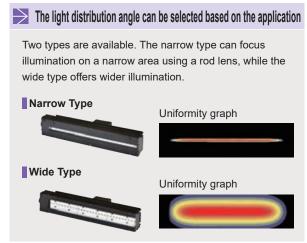


* 365 nm wavelength for ultraviolet light UV3 Series. 385 nm, 395 nm, and 405 nm wavelengths for violet light VL3 Series

Applications

Seal material presence inspection using fluorescence excitation, various inspections using different spectral reflectance, various inspections using scattering rate differences





→ 4 Wavelengths (365/386/395/405 nm) Expand Possible Applications

Spectral distribution 100 365 r 385 nm radiant intensity 80 395 nm 60 405 nm 40 Relative 20 340 350 360 370 380 390 Wavelength (nm)

* 365 nm wavelength is for the LNSP-UV3 ultraviolet light series. 385 nm, 395 nm, and 405 nm wavelengths are for the LNSP-VL3 series

Cautionary Information regarding UV Products

- Do not expose your eyes or skin to direct UV irradiation.
- When using 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
- Thoroughly educate all those involved near the product about the dangers of UV LEDs

E.a.: UV blocking eye wea

Various technical

DXF

Product

LDR-LA1
SQR
SQR-TP
HLDR3
HPR2

LFR E

LKR

FPR

LDLB HLDL3

MSU

PF HLDR-IP

HSL-PCL

LNSP-UV3-FN
IR2
(Under 1000-nm Type)
IR
(Over 1000-nm Type)

LDF-RLS

HLV3

HFS/HFR

HLV3-22-4-NR HLV3-3M-RGB-4 PFBR-600SW2 OFFBR-150

SLG-150V-CCS PFB3(A) LNLP

LNDG

LNIS Z

LV

TH2 (5 types)

LFL

HPD2

LDM2

LAV

PDM

LFXV

LFX3

LFX3-PT

LFV3-G

Imaging Example: Imaging for Detecting Contact Lenses inside Packaging

Workpiece image



Contact lenses

LED visible light lighting



With visible light lighting, it is difficult to detect the contact lenses.

LNSP-300UV3-365-FNNR



Depending on the type of contact lens, they absorb the ultraviolet wavelength, allowing for the inside of the pack to be imaged.

Imaging Example: Imaging for the Alignment of Clear Films

Workpiece image



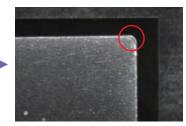
Clear plate (bottom) and film (top)

LED visible light lighting



With visible light lighting, it is difficult to form an image of the clear film.

LNSP-300UV3-365-FN



Only the clear film causes scattering, emphasizing the edge.

Imaging Example: Imaging of invisible code

Workpiece image



Plastic plate

LED visible light lighting



Fluorescent observation is difficult with white light.

LNSP-300UV3-365-FN



Fluorescent observation for the invisible code is possible.

Imaging Example: Imaging foreign material on paper

Workpiece image



White paper (Tissue)

LED visible light lighting



Fluorescent observation is difficult with white light.

LNSP-300UV3-365-FNNR



Fluorescent observation for foreign material, such as dust, is possible.

Macro Lens LDF-NB

LDR2 LDR2-LA LDR2-LDR-L SQR LDR-LA1 SQR-TF HLDR3 HPR2 LFR

LKR FPR FPQ3

LDL2

LDLB

HLDL3

LFX3-P LFV3 LFV3-G MSU

MFU PF

Myater-proof HSL-PCL UV3/VL3 LNSP-UV3-FN IR2 (Under 1000-nm Type) IR (Over 1000-nm Type)

LDF-RLS

SLG-150V-CCS

PFB3(A)

LNLP
LNSP2
Coaxial Units
LNSP-FN
LN/LN-HK

LN/LN-HK LNSD

LFXV (Rectangular Type)

(Diffused) (Diffused) (Rec Th LND2

Line Jolique Angled

TH2

LNDG

LNIS-FN

Telecentric Lens

Macro Lens LDF-NB

IU HLV3 LV HFS/HFR HLV3-22-4-NR HLV3-3M-RGB-4 PFBR-600SW2 PFBR-150

LB

Flat LEL HPD2 LDM2 LAV PDM LFXV LFX3



The data included is for reference only. Actual values may vary

Data: Relative Irradiance Graph and Uniformity (Representative Example)

(Wide Type)

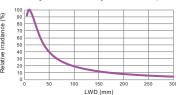
LNSP-300UV3-365-FN

Relative irradiance graph

(LWD characteristics)*2

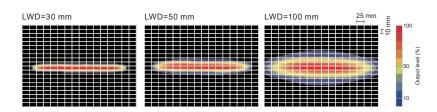
*1 Irradiance on the optical axis

*2 Illuminating distance from the light unit to the workpiece



(Narrow Type)

Uniformity (Relative irradiance)

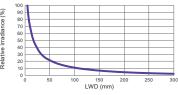


LNSP-300UV3-365-FNNR

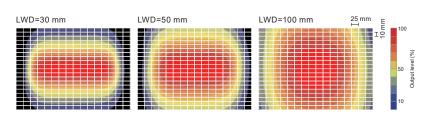
Relative irradiance graph (LWD characteristics)

*1 Irradiance on the optical axis

*2 Illuminating distance from the light unit to the workpiece



Uniformity (Relative irradiance)



Lineup End of the model name -FN: Narrow Type / -FNNR: Wide Type

Wavelength 385/395/405 nm will be manufactured on a built-to-order system

Model Name ^{*1}	LED Color	Power Consumption 2	Extension Cables	Recommend	ed Control Units	Weight
LNSP-100UV3-365-FN	Ultraviolet					900 q
LNSP-100VL3-□-FN	Violet	36 W				900 g
LNSP-100UV3-365-FNNR	Ultraviolet	30 VV				700 g
LNSP-100VL3- -FNNR	Violet					700 g
LNSP-200UV3-365-FN	Ultraviolet					1 200 ~
LNSP-200VL3-□-FN	Violet	70 W	QCBM QCB		PSCC-30048 (A) PSCC-60048 (A)	1,300 g
LNSP-200UV3-365-FNNR	Ultraviolet	70 00	QCB	F300	-00048 (A)	1 000 a
LNSP-200VL3FNNR	Violet					1,000 g
LNSP-300UV3-365-FN	Ultraviolet	103 W				4 700
LNSP-300VL3-□-FN	Violet	104 W				1,700 g
LNSP-300UV3-365-FNNR	Ultraviolet	103 W				1 200 ~
LNSP-300VL3- -FNNR	Violet	104 W				1,300 g
*1 in the model name contains	ns Extension Cables ▶ P.383 Control Unit Selection Guide ▶ P.309 List of Control Unit Specifications ▶ P.311				Specifications P 311	

the wavelength 385/395/405. *2 Power consumption includes the cooling fan.

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			

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



Transmits light with a specific range of wavelength and is available for a wide range of fluorescent wavelengths

Band-pass filter F-BP Series

- High transmittance at 90% or greater
- Hard coated filter with high durability
- Twelve-product lineup available for a wide range of wavelengths

Various technical documents available.

P.374

DXF

Product

▶ P.374

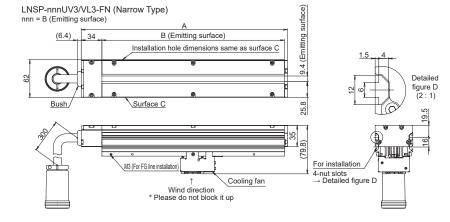
Instruction Guides

LDR2-LA LDR-LA1

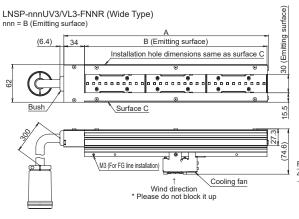
SQR

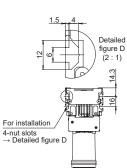
SQR-TP HLDR3 HPR2

Dimensions (mm)



Model Name	А	В
LNSP-100UV3/VL3-FN	139	100
LNSP-200UV3/VL3-FN	239	200
LNSP-300UV3/VL3-FN	339	300





Model Name	А	В
LNSP-100UV3/VL3-FNNR	136.3	100
LNSP-200UV3/VL3-FNNR	236.3	200
LNSP-300UV3/VL3-FNNR	336.3	300