

# Ultraviolet Lights

## UV series

Refer to our website for product details.

CCS UV

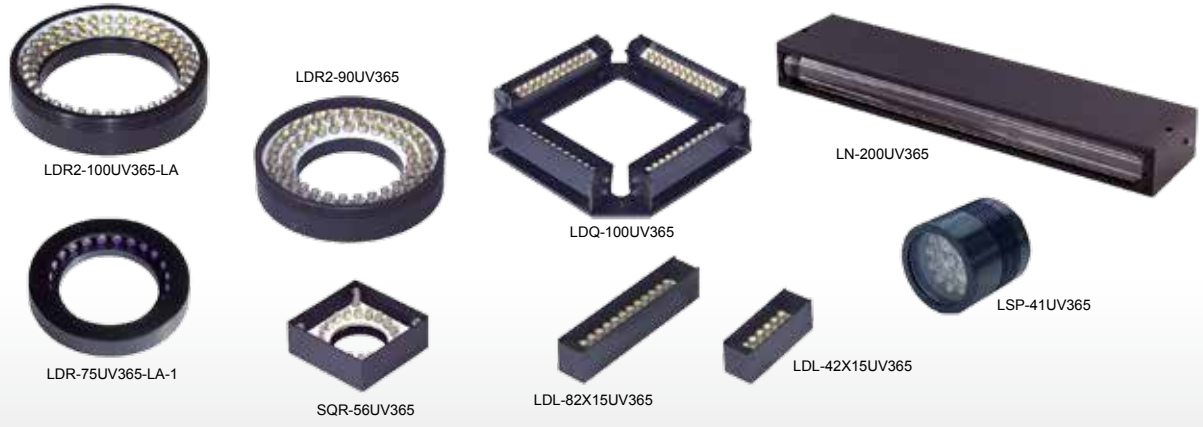
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For quick access.

## Varied Light Unit lineup using original UV-LEDs



**Applications** Detecting seal material through fluorescent excitation, reading invisible code, inspections using differences in spectral reflectivity, inspections using differences in scattering rates, etc.

### Uses original UV-LEDs

**Uses LEDs with our unique spark prevention mechanism**

Because they have a steel alloy cap, many ultraviolet LEDs are susceptible to static electricity or impact. In particular, dead LEDs due to sparks occurring from contact with metal shards have been a major issue. Our company's original ultraviolet LEDs successfully solved this problem through our unique spark prevention mechanism. Compared to the conventional products, we significantly increased our "safety" and "reliability."

### Peak wavelength of 365 nm, directional characteristics of ±20°

#### Light spectrum of the UV-LED

#### Directional characteristics

Our original ultraviolet LEDs have a peak wavelength of 365 nm and directional characteristics of ±20°. Using the mono-wavelength, a characteristic of LEDs, allows for stable imaging over a long period of time that captures the workpiece's characteristics more accurately than using a black light. Furthermore, our rich lineup provides optimal Light Units depending on the inspected object, inspecting environment, and optical system.

## Lineup

Model name	LED color	Power consumption *1		Peak wavelength	Options	Extension cables	Recommended Control Units	Weight	Dimensions
		Earlier than July 2014	After July 2014						
LDR2-32UV365	Ultraviolet	24 V / 0.4 W	24 V / 0.3 W	365 nm	Band-pass filter ▶ P.287	FCB**4 Straight Cable	PD3 CC-ST-1024*3 PSB POD**2	30 g	1
LDR2-42UV365		24 V / 0.8 W	24 V / 0.6 W					50 g	
LDR2-50UV365		24 V / 1.2 W	24 V / 0.9 W					50 g	
LDR2-70UV365		24 V / 3.1 W	24 V / 2.3 W					130 g	
LDR2-90UV365		24 V / 3.8 W	24 V / 2.8 W					170 g	
LDR2-90-30UV365	24 V / 6.1 W	24 V / 4.5 W	220 g	FCB-W 2-branch Cable	FCB-F 4-branch Cable	FCB Robot Cable	510 g	3	
LDR2-120UV365	24 V / 9.5 W	24 V / 7.0 W	90 g						
LDR2-74UV365-LA	24 V / 1.9 W	24 V / 1.4 W	170 g						
LDR2-100UV365-LA	24 V / 4.6 W	24 V / 3.4 W	270 g						
LDR2-132UV365-LA	24 V / 6.9 W	24 V / 5.0 W	350 g						
LDR2-170UV365-LA	24 V / 9.9 W	24 V / 7.3 W	380 g	*3 Cannot be used with LDR2-208UV365-LA that was manufactured before July 2014.	*4 The cables with a model name that ends with "-ME" or "-EL2" are not included.	70 g	6		
LDR2-208UV365-LA	24 V / 12 W	24 V / 8.4 W	100 g						
LDR-75UV365-LA-1	24 V / 1.6 W	24 V / 1.2 W	160 g						
LDR-96UV365-LA-1	24 V / 2.3 W	24 V / 1.7 W	200 g						
LDR-146UV365-LA-1	24 V / 3.1 W	24 V / 2.3 W	220 g						
LDR-176UV365-LA-1	Ultraviolet	24 V / 3.8 W	24 V / 2.8 W	365 nm	Ultraviolet cutting filter Ultraviolet transmission filter ▶ P.289	FRCB Robot Cable		100 g	7
LDR-206UV365-LA-1		24 V / 4.6 W	24 V / 3.4 W					220 g	

\*1 The power consumption varies according to the production date. Refer to the power consumption given by the label tag of the product. [Extension Cables ▶ P.296](#) [Control Unit Selection Guide ▶ P.243](#) [List of Control Unit Specifications ▶ P.245](#)  
 \*2: For information on the combination of Light Units and POD-series Control Unit, please refer to our website. <http://www.ccs-grp.com/lnk/qr/pod>

- LDR2
- LDR2-LA
- LDR-LA1
- SQR
- SQR-TP
- HPR2
- LFR
- LKR
- FPR
- FPQ2
- LDL2
- LDLB
- HDL2
- HL
- TH2 (5 types)
- TH
- LFL
- HPD2
- LDM2
- LAV
- PDM
- LFX3
- LFX3-PT
- LFX2
- LFV3
- MSU
- MFU
- PF
- HDR-IP/ IQ/HSL-PCL
- UV2
- UV
- LNSP-UV-FN
- IR2
- IU
- HLV2
- LV
- LSP
- HFS/HFR
- HLV2-NR
- HLV2-3M-RGB-3W
- PFB2
- PFB
- LNL2
- LNSP2
- LNSP
- Coaxial Units
- LNSP-FN
- LN/LN-HK
- LNSD
- LND2
- HLND
- LT
- LNV/HLND
- LNDG
- LNS2
- LNIS
- LNS-FN
- Telecentric Lens
- Macro Lens

Model name	LED color	Power consumption *1		Peak wavelength	Options	Extension cables	Recommended Control Units	Weight	Dimensions
		Earlier than July 2014	After July 2014						
SQR-56UV365	Ultraviolet	24 V / 1.6 W	24 V / 1.2 W	365 nm	Band-pass filter ► P.287	FCB+3 Straight Cable	PD3 CC-ST-1024	80 g	8
LDL-34X8UV365	Ultraviolet	24 V / 0.4 W	24 V / 0.3 W					15 g	9
LDL-42X15UV365		24 V / 0.8 W	24 V / 0.6 W					30 g	10
LDL-74X27UV365		24 V / 3.1 W	24 V / 2.3 W					95 g	11
LDL-82X15UV365		24 V / 1.6 W	24 V / 1.2 W					45 g	12
LDL-130X15UV365		24 V / 2.3 W	24 V / 1.7 W					85 g	
LDL-180X16UV365	24 V / 3.8 W	24 V / 2.8 W	110 g	13					
LDQ-60-25UV365	Ultraviolet	24 V / 1.6 W	24 V / 1.2 W		60 g	13			
LDQ-78UV365		24 V / 1.6 W	24 V / 1.2 W	100 g	14				
LDQ-100UV365		24 V / 3.1 W	24 V / 2.3 W	330 g	15				
LDQ-150UV365		24 V / 6.1 W	24 V / 4.5 W	490 g	16				
LDQ-200UV365		24 V / 9.1 W	24 V / 6.7 W	790 g	17				
LN-200UV365	Ultraviolet	24 V / 1.9 W	24 V / 1.4 W	365 nm	Ultraviolet cutting filter Ultraviolet transmission filter ► P.289	FCB-F 4-branch Cable	PSB POD+2	400 g	18
LSP-41UV365	Ultraviolet	24 V / 1.2 W	24 V / 0.9 W	365 nm				115 g	19

\*1 The power consumption varies according to the production date.  
Refer to the power consumption given by the label tag of the product.

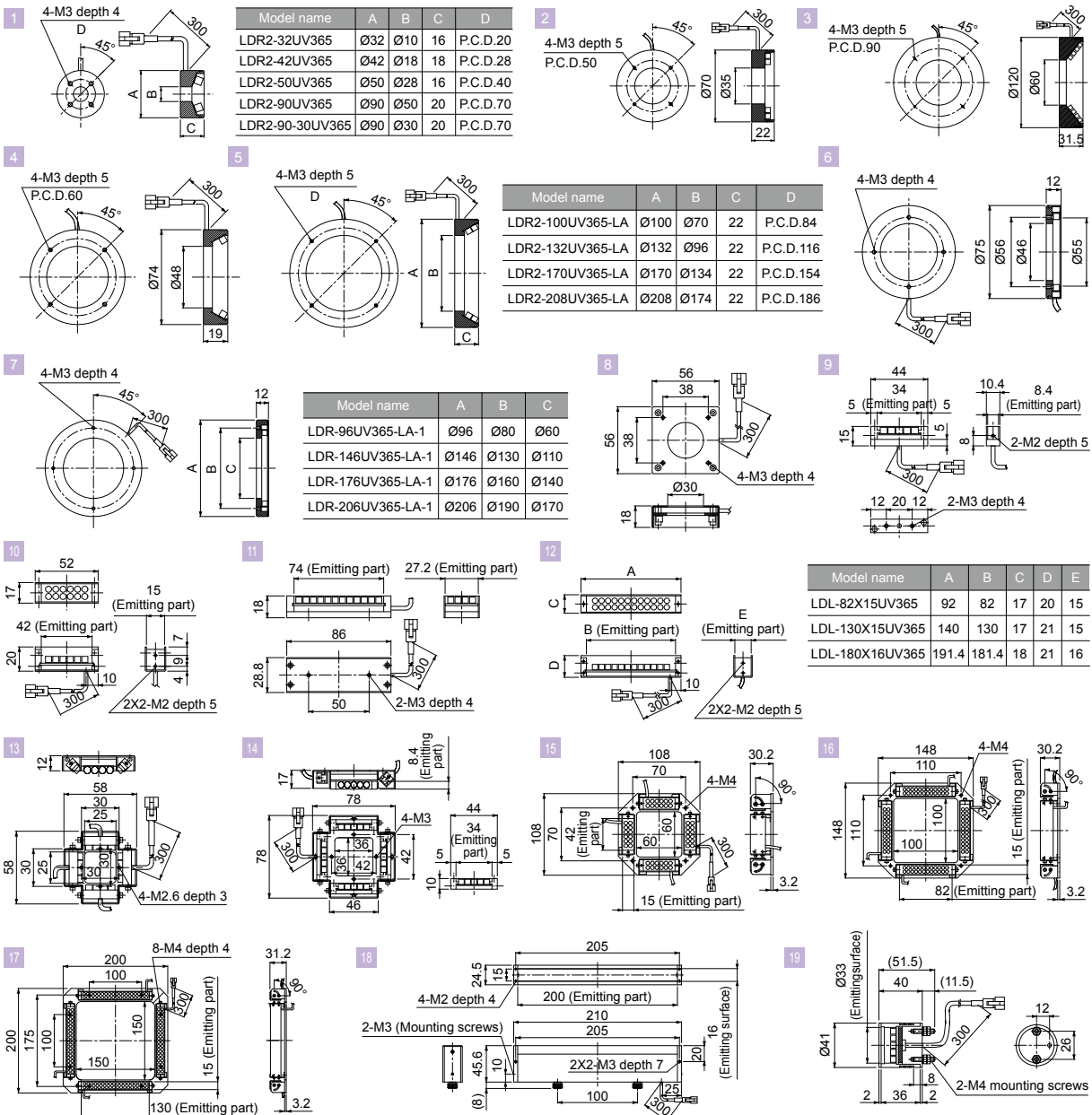
Extension Cables ► P.296

Control Unit Selection Guide ► P.243

List of Control Unit Specifications ► P.245

\*2 For information on the combination of Light Units and POD-series Control Unit, please refer to our website. <http://www.ccs-grp.com/lnk/qr/rod>

## Dimensions (mm)



You can change the connectors of the Light Unit cable. Choose between M12 connectors and flying leads. Refer to P.5 for details.

You can inquire using  
our website.

Requests for  
Light Unit  
Selection

Requests for  
Loan  
Products

Requests for  
Estimates

Requests for  
a Catalog

Product  
Inquiries

Other  
Inquiries

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

Direct Lighting	LDR2
	LDR2-LA
	LDR-LA1
	SQR
	SQR-TP
Diffused Lighting	HPR2
	LFR
	LKR
	FPR
	FPQ2
Direct Lighting	LDL2
	LDLB
	HLDL2
	HL
	TH2 (5 types)
	HTH
	LFL
	HPD2
Diffused Lighting	LDM2
	LAV
	PDM
	LFX3
	LFX3-PT
	LFX2
	LFV3
Coaxial Lighting	MSU
	MFU
Strobe Lighting	PF
Water-proof Lighting	HLDR-IP/ IQ/HSL-PCL
Ultraviolet Lighting	UV2
	UV
	LNSP-UV-FN
Infrared Lighting	IR2
Intensely Control	IU
Spot Lighting, Etc.	HLV2
	LV
	LSP
	HFS/HFR
	HLV2-NR
	HLV2-3M-RGB-3W
	PFB2
Convergent Lighting	LNLP
	LNSP2
	LNSP
	Coaxial Units
	LNSP-FN
	LN/LN-HK
Diffused Lighting	LNSD
	LN2
	HLND
	LT
	LN2V/HLN2
Oblique-Angled Lighting	LNDG
	LNIS2
	LNIS
	LNIS-FN
Lenses	Telecentric Lens
	Macro Lens