

Ultraviolet Lights

UV series

Refer to our website for product details.

CCS UV

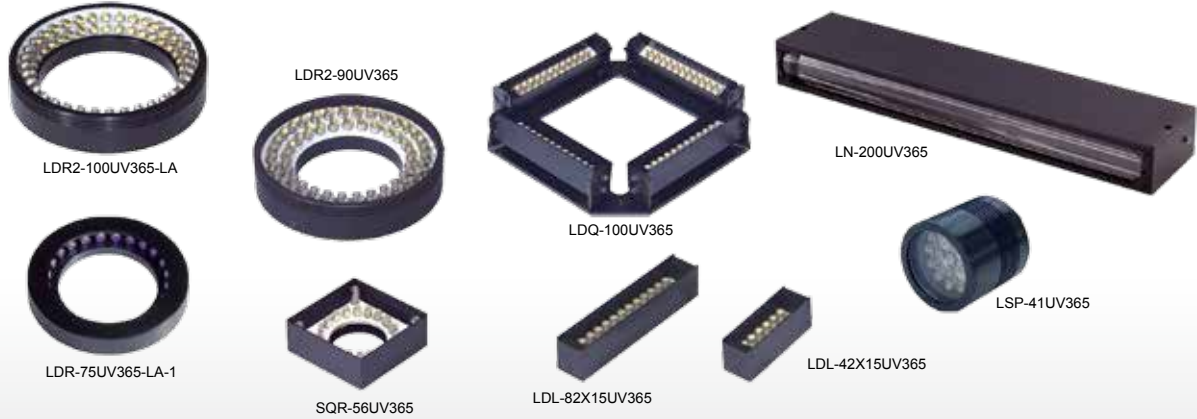
Search



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Use a search engine.

Varied Light Unit lineup using original 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.

Uses original UV-LEDs

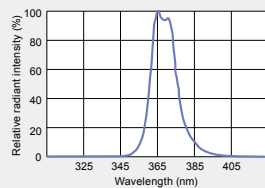
Uses LEDs with our unique spark prevention mechanism



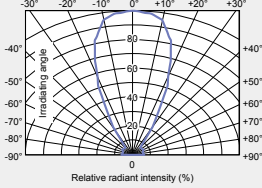
Because they have a steel alloy cap, many ultraviolet LEDs are susceptible to static electricity or impact. In particular, dead LEDs due to sparks occurring from contact with metal shards have been a major issue. Our company's original ultraviolet LEDs successfully solved this problem through our unique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

Peak wavelength of 365 nm and directional characteristics of ±20°

Light spectrum of the UV-LED



Directional characteristics of the UV-LED



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

Series	Model name	LED color	Power consumption *1		Peak wavelength	Options	Recommended Control Units	Weight	Dimensions
			Earlier than July 2014	After July 2014					
LDR2	LDR2-32UV365	Ultraviolet	24 V / 0.4 W	24 V / 0.3 W	365 nm	Ultraviolet cutting filter Ultraviolet transmission filter	PD3 CC-ST-1024* PSB PTU2	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	
	LDR2-120UV365		24 V / 9.5 W	24 V / 7.0 W				510 g	
LDR2-LA	LDR2-74UV365-LA	Ultraviolet	24 V / 1.9 W	24 V / 1.4 W	365 nm	Ultraviolet cutting filter Ultraviolet transmission filter	PD3 CC-ST-1024* PSB PTU2	90 g	4
	LDR2-100UV365-LA		24 V / 4.6 W	24 V / 3.4 W				170 g	
	LDR2-132UV365-LA		24 V / 6.9 W	24 V / 5.0 W				270 g	
	LDR2-170UV365-LA		24 V / 9.9 W	24 V / 7.3 W				350 g	
	LDR2-208UV365-LA		24 V / 12 W	24 V / 8.4 W				380 g	
LDR-LA-1	LDR-75UV365-LA-1	Ultraviolet	24 V / 1.6 W	24 V / 1.2 W	365 nm	Ultraviolet cutting filter Ultraviolet transmission filter	PD3 CC-ST-1024* PSB PTU2	70 g	6
	LDR-96UV365-LA-1		24 V / 2.3 W	24 V / 1.7 W				100 g	
	LDR-146UV365-LA-1		24 V / 3.1 W	24 V / 2.3 W				160 g	
	LDR-176UV365-LA-1		24 V / 3.8 W	24 V / 2.8 W				200 g	
	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.222

Control Unit Selection Guide ▶ P.181

Control Unit Page ▶ P.185

We have various materials.

- PDF Drawings
- DXF Drawings
- 3D CAD
- Instruction Guides
- Product Filers
- Imaging Samples
- Data Sheets
- Examples of Custom Ordered Products

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

Series	Model name	LED color	Power consumption *1		Peak wavelength	Options	Recommended Control Units	Weight	Dimensions
			Earlier than July 2014	After July 2014					
SQR	SQR-56UV365	Ultraviolet	24 V / 1.6 W	24 V / 1.2 W	365 nm			80 g	8
LDL	LDL-34X8UV365	Ultraviolet	24 V / 0.4 W	24 V / 0.3 W	365 nm	Ultraviolet cutting filter Ultraviolet transmission filter	PD3 PSB CC-ST-1024 PTU2	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	
LDQ	LDQ-60-25UV365	Ultraviolet	24 V / 1.6 W	24 V / 1.2 W	365 nm			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	LN-200UV365	Ultraviolet	24 V / 1.9 W	24 V / 1.4 W	365 nm			400 g	18
LSP	LSP-41UV365	Ultraviolet	24 V / 1.2 W	24 V / 0.9 W	365 nm			115 g	19

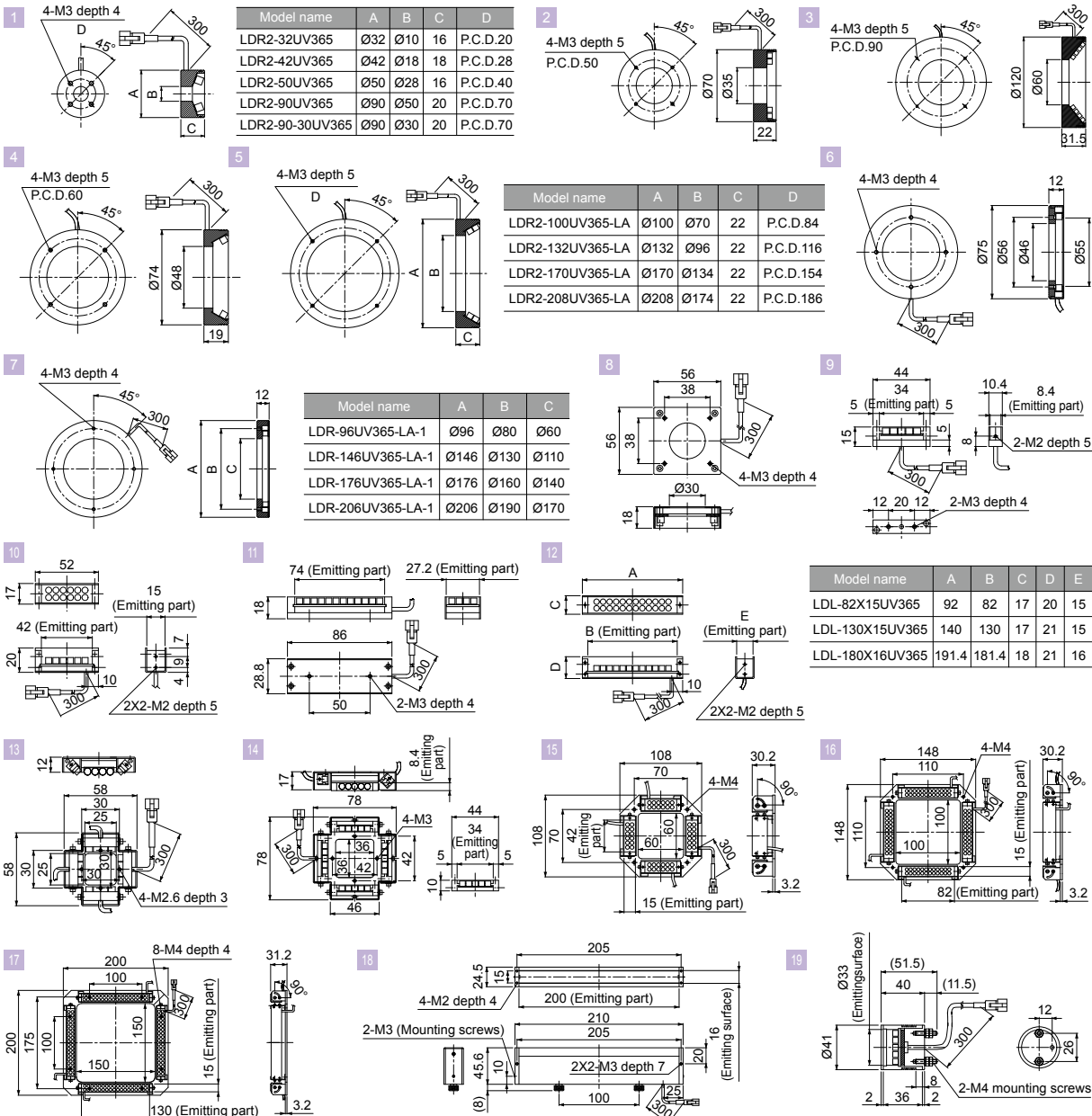
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Refer to the power consumption given by the label tag of the product.

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Dimensions (mm)



You can change the connectors of the Light Unit cable. Choose between M12 connectors and flying leads. Refer to P.125 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
Convergent Lighting	HLDR-IP
Diffused Lighting	HPR2 HPR LFR LKR FPR FPQ2
Direct Lighting	LDL2 LDLB HLDL2 TH LFL HPD2 HPD LDM2 LAV PDM LFX2 LFV3 LFV2
Diffused Lighting	MSU MFU UV2 UV LNSP-UV-FN
Collimated Lighting	UV2 UV LNSP-UV-FN
Ultraviolet Lighting	UV2 UV LNSP-UV-FN
Infrared Lighting	IR2 HLV2 LV LSP HFS/HFR HLV2-NR HLV2-3M-RGB-3W PFB2 PFBR
Spot Lighting, Etc.	LNSP CU-LNSP LNSP-FN LN/LN-HK
Convergent Lighting	LNLD LNLD2 HLND LT LNV/HLDN
Diffused Lighting	LNIS LNIS-FN
Oblique Angled Lighting	LNIS LNIS-FN
Lenses	Telecentric Lens Macro Lens