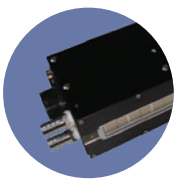
UNIJET UV LED SERIES

Module Lineup for Inkjet & 3-D Printers

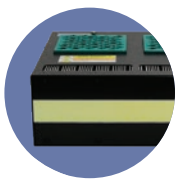
USHIO's expertise in manufacturing has resulted in specialized UV products. Looking to create a unique design that provides a light rich in the ultraviolet spectral regions, USHIO created the Unijet UV LED Series. The Unijet Series is the ideal choice for UV curing and printing industries.



A Series

M Series

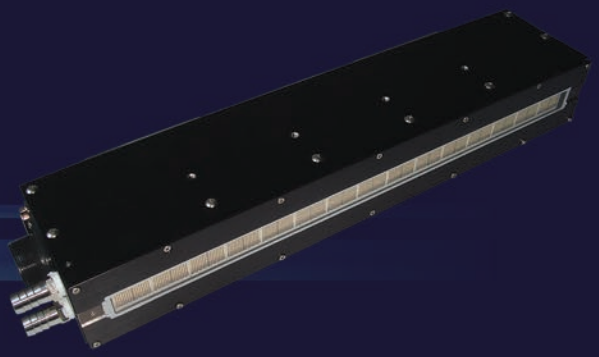
L Series

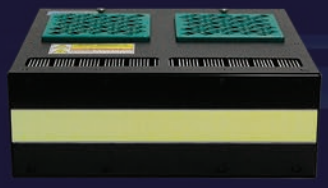


i Series

E Series

UNIJET UV LED SERIES

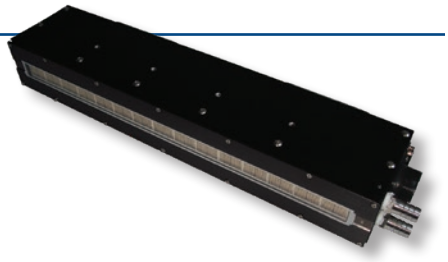




UNIJET UV LED SERIES

A SERIES

- Custom Lengths Up to 1070mm
- Water Cooled
- High Power 24W/cm²
- Dimming from 10%-100%



Part Number	Product Description	Wavelength (nm)	Power W/cm²@ Window	Power W/cm²@ 5mm	Dimensions		
					Length (mm)	Width (mm)	Height (mm)
	A Series						
1000712459	Unijet A90	365	16.0	12.0	80	140	120
1000712455	Unijet A90	385	24.0	18.0	80	140	120
1000712457	Unijet A90	395	24.0	18.0	80	140	120
1000712458	Unijet A90	405	24.0	18.0	80	140	120
TBD-Call for More Info.	Unijet A180	365	16.0	12.0	80	230	120
1000743571	Unijet A180	385	24.0	18.0	80	230	120
TBD-Call for More Info.	Unijet A180	395	24.0	18.0	80	230	120
TBD-Call for More Info.	Unijet A180	405	24.0	18.0	80	230	120
TBD-Call for More Info.	Unijet A270	365	16.0	12.0	80	320	120
1000743572	Unijet A270	385	24.0	18.0	80	320	120
TBD-Call for More Info.	Unijet A270	395	24.0	18.0	80	320	120
TBD-Call for More Info.	Unijet A270	405	24.0	18.0	80	320	120
TBD-Call for More Info.	Unijet A360	365	16.0	12.0	80	410	120
1000743573	Unijet A360	385	24.0	18.0	80	410	120
TBD-Call for More Info.	Unijet A360	395	24.0	18.0	80	410	120
TBD-Call for More Info.	Unijet A360	405	24.0	18.0	80	410	120
TBD-Call for More Info.	Unijet A450	365	16.0	12.0	80	500	120
1000743574	Unijet A450	385	24.0	18.0	80	500	120
TBD-Call for More Info.	Unijet A450	395	24.0	18.0	80	500	120
TBD-Call for More Info.	Unijet A450	405	24.0	18.0	80	500	120
TBD-Call for More Info.	Unijet A540	365	16.0	12.0	80	590	120
1000743575	Unijet A540	385	24.0	18.0	80	590	120
TBD-Call for More Info.	Unijet A540	395	24.0	18.0	80	590	120
TBD-Call for More Info.	Unijet A540	405	24.0	18.0	80	590	120

	Accessories - A Series	**Notes**
1000712043	A-Power Cable	Power cable from power supply to module
1000712456	A-PS PRK200-8	Input: 190-250VAC Output: 2000W power supply

M & M II SERIES

- Small Area Spot Curing
- Separate Driver
- Lightweight
- Dimming from 30%-100%
- U-VIT (USHIO Variable Illumination Technology)*

Part Number	Product Description	Wavelength (nm)	Power W/cm²@ Window	Dimensions Length (mm)	Width (mm)	Height (mm)
	M Series					
1000712372	Unijet M30	365	5.3	48	77	90
1000710434	Unijet M30	385	7.0	48	77	90
1000710435	Unijet M30	395	7.0	48	77	90
1000710436	Unijet M30	405	7.0	48	77	90
	M II Series					
1000712372	Unijet M30 II	365	—	48	77	90
1000710434	Unijet M30 II	385	9.0	48	77	90
1000710435	Unijet M30 II	395	9.0	48	77	90
1000710436	Unijet M30 II	405	9.0	48	77	90
	Accessories - M & M II Series			**Notes**		
1000712375	M-Driver			LED driver		
1000712513	M-PS PLA-150F-24			Input: 100-240VAC 50/60Hz Output: 150W 24VDC power supply		
1000710440	M-Power Cable 1			Cable for driver connection 5m length		
1000710441	M-Power Cable 2			Cable from power supply to control box 5m length		

*U-VIT: Allows for segmented dimming and On/Off function to optimize light distribution which can contribute to energy savings and fine tuning of the curing process.

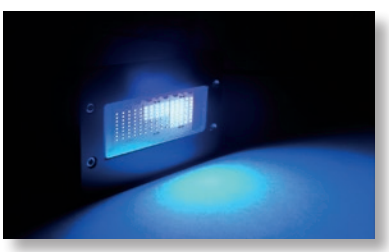
UNIJET UV LED SERIES

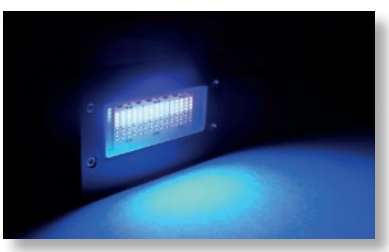
L & L II SERIES

- High Power Density of Up to 12W/cm^2
- Air Cooled
- Lightweight
- Dimming from 30%-100%
- U-VIT (USHIO Variable Illumination Technology)*
- Separate Driver

Part Number	Product Description	Wavelength (nm)	Power W/cm^2@ Window	Dimensions Length (mm)	Width (mm)	Height (mm)
	L Series					
1000712373	Unijet L60	365	6.0	68	110	160
1000707070	Unijet L60	385	8.0	68	110	160
1000692049	Unijet L60	395	8.0	68	110	160
1000707071	Unijet L60	405	8.0	68	110	160
1000712374	Unijet L125	365	6.0	90	168	160
1000707072	Unijet L125	385	8.0	90	168	160
1000695334	Unijet L125	395	8.0	90	168	160
1000707073	Unijet L125	405	8.0	90	168	160
	L II Series					
1000712257	Unijet L60 II	385	12.0	68	110	160
1000707509	Unijet L60 II	395	12.0	68	110	160
1000712258	Unijet L60 II	405	12.0	68	110	160
1000712259	Unijet L125 II	385	12.0	90	168	160
1000707517	Unijet L125 II	395	12.0	90	168	160
1000712260	Unijet L125 II	405	12.0	90	168	160
	Accessories - L & L II Series			**Notes**		
1000710444	L-Power Supply Box			Power supply, control box & driver Also good to use for M Series		
1000711244	L-Driver			LED driver also good to use for M Series		
1000712515	L-PS PLA-600F-24			Input: 100-240VAC 50/60hz Output: 600W 24VDC power supply		
1000711249	L-Power Cable 1			Cable for driver 5m length		
1000715675	L-Power Cable 4			Cable for driver and power supply		
1000713079	L-Power Cable 3			Cable from power supply to control box 0.7m length		
1000711242	L-Analog Control Cable 1			0.5m length		
1000711243	L-Interface Cable 1			0.5m length		

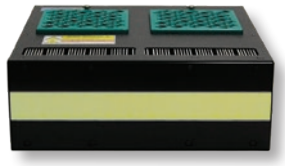
*U-VIT: Allows for segmented dimming and On/Off function to optimize light distribution which can contribute to energy savings and fine tuning of the curing process.





i SERIES

- Daisy Chainable
- Air Cooled
- Edgeless Module
- Dimming from 10%-100%
- U-VIT (USHIO Variable Illumination Technology)*



Part Number	Product Description	Wavelength (nm)	Power W/cm²@ Window	Dimensions Length (mm)	Width (mm)	Height (mm)
	i Series					
1000724470	Unijet i80	365	6.0	89	127.6	250
1000724472	Unijet i80	385	8.0	89	127.6	250
1000724473	Unijet i80	395	8.0	89	127.6	250
1000724474	Unijet i80	405	8.0	89	127.6	250
1000724475	Unijet i185	365	6.0	89	187.4	250
1000724477	Unijet i185	385	8.0	89	187.4	250
1000724478	Unijet i185	395	8.0	89	187.4	250
1000724479	Unijet i185	405	8.0	89	187.4	250
1000712382	Unijet i245	365	6.0	89	249.2	250
1000703250	Unijet i245	385	8.0	89	249.2	250
1000692089	Unijet i245	395	8.0	89	249.2	250
1000703251	Unijet i245	405	8.0	89	249.2	250
1000724480	Unijet i310	365	6.0	89	311.0	250
1000724483	Unijet i310	385	8.0	89	311.0	250
1000724484	Unijet i310	395	8.0	89	311.0	250
1000724486	Unijet i310	405	8.0	89	311.0	250
1000724487	Unijet i370	365	6.0	89	372.8	250
1000724488	Unijet i370	385	8.0	89	372.8	250
1000724489	Unijet i370	395	8.0	89	372.8	250
1000724490	Unijet i370	405	8.0	89	372.8	250
1000724491	Unijet i430	365	6.0	89	434.6	250
1000724492	Unijet i430	385	8.0	89	434.6	250
1000724493	Unijet i430	395	8.0	89	434.6	250
1000724495	Unijet i430	405	8.0	89	434.6	250
1000724496	Unijet i495	365	6.0	89	496.4	250
1000724497	Unijet i495	385	8.0	89	496.4	250
1000724498	Unijet i495	395	8.0	89	496.4	250
1000724499	Unijet i495	405	8.0	89	496.4	250

*U-VIT: Allows for segmented dimming and On/Off function to optimize light distribution which can contribute to energy savings and fine tuning of the curing process.

For Accessories See page 20.

UNIJET UV LED SERIES

i II SERIES

- High Power Density of up to 12W/cm^2
- Air Cooled
- Dimming from 10%-100%
- Scalable End-to-End with Edgeless Module
- U-VIT (USHIO Variable Illumination Technology)*
- Integrated Driver

Part Number	Product Description	Wavelength (nm)	Power W/cm^2@ Window	Dimensions		
				Length (mm)	Width (mm)	Height (mm)
	i II Series					
1000724500	Unijet i80 II	385	12.0	89	127.6	250
1000724501	Unijet i80 II	395	12.0	89	127.6	250
1000724502	Unijet i80 II	405	12.0	89	127.6	250
1000724503	Unijet i185 II	385	12.0	89	187.4	250
1000724504	Unijet i185 II	395	12.0	89	187.4	250
1000724508	Unijet i185 II	405	12.0	89	187.4	250
1000712246	Unijet i245 II	385	12.0	89	249.2	250
1000707518	Unijet i245 II	395	12.0	89	249.2	250
1000712251	Unijet i245 II	405	12.0	89	249.2	250
1000724509	Unijet i310 II	385	12.0	89	311.0	250
1000724510	Unijet i310 II	395	12.0	89	311.0	250
1000724511	Unijet i310 II	405	12.0	89	311.0	250
1000724512	Unijet i370 II	385	12.0	89	372.8	250
1000724513	Unijet i370 II	395	12.0	89	372.8	250
1000724514	Unijet i370 II	405	12.0	89	372.8	250
1000724515	Unijet i430 II	385	12.0	89	434.6	250
1000724516	Unijet i430 II	395	12.0	89	434.6	250
1000724517	Unijet i430 II	405	12.0	89	434.6	250
1000724518	Unijet i495 II	385	12.0	89	496.4	250
1000724519	Unijet i495 II	395	12.0	89	496.4	250
1000724520	Unijet i495 II	405	12.0	89	496.4	250

	Accessories - i & i II Series	**Notes**
1000712052	i-PS FETA2500B-48	Input: 190-240VAC 50/60Hz Output: 2500W 48VDC power supply (1 unit of power supply up to i310)
1000712496	i-PS H-PA-13	Cable for 2 units of power supply connection
1000727283	i-Power Cable 2 (5P)	Cable for i80 (5m)
1000711246	i-Power Cable (3P)	Cable for i245 (3m length)
1000712466	i-Power Cable (7P)	Cable for i310 and > (5m length)
1000711247	i-Control Box	—
1000727281	i-Analog Control Cable 3	for i180
1000727109	PS P4K18-2 (100V Cable 1)	Control box for i80
1000727108	i-PS PBA-1000F-48	ACDC power supply for i80
1000712387	i-Power Supply Box 2	Input: 190-240VAC 50/60Hz Output: 2500W 48VDC power supply 2.5kW power supply and control box (1 unit of power supply up to i310)
1000712388	i-Power Cable 2 (3P)	Cable 5m for i-power supply box 2
1000712389	i-Analog Control Cable 2	5m length
1000712390	i-Power Supply Box 3	Input: 190-240VAC 50/60Hz 5.0kW power supply and control box Output: 5000W 48VDC power supply > i310
1000712391	i-Power Cable 3 (7P)	5m length

*U-VIT: Allows for segmented dimming and On/Off function to optimize light distribution which can contribute to energy savings and fine tuning of the curing process.

i SLIM 1 & 2 SERIES

- Smaller Footprint Than Standard “I” Series
- 10W/cm2 Power Output
- Scalable End-to-End with Edgeless Module
- Integrated Driver
- U-VIT (USHIO Variable Illumination Technology)*
- Adjustable Directional Airflow

Part Number	Product Description	Wavelength (nm)	Power W/cm²@ Window	Dimensions Length (mm)	Width (mm)	Height (mm)
	i Slim 1 Series					
TBD-Call for More Info.	Unijet i245 Slim 1	365	—	69	245	298
TBD-Call for More Info.	Unijet i245 Slim 1	385	10.0	69	245	298
TBD-Call for More Info.	Unijet i245 Slim 1	395	10.0	69	245	298
TBD-Call for More Info.	Unijet i245 Slim 1	405	10.0	69	245	298
	i Slim 2 Series					
TBD-Call for More Info.	Unijet i245 Slim 2	365	—	69	245	298
TBD-Call for More Info.	Unijet i245 Slim 2	385	10.0	69	245	298
TBD-Call for More Info.	Unijet i245 Slim 2	395	10.0	69	245	298
TBD-Call for More Info.	Unijet i245 Slim 2	405	10.0	69	245	298

*U-VIT: Allows for segmented dimming and On/Off function to optimize light distribution which can contribute to energy savings and fine tuning of the curing process.

Slim 1

Slim 2

UNIJET UV LED SERIES

E & E II SERIES

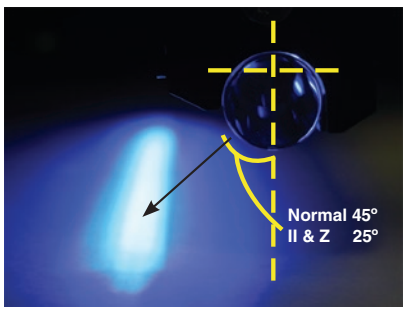
- Lightweight
- Air Cooled
- Dimming from 10%-100%
- Scalable End-to-End with Edgeless Module
- Integrated Driver

Part Number	Product Description	Wavelength (nm)	Power W/cm²@ Window	Power W/cm²@ 5mm	Power W/cm²@ 10mm	Dimensions Length (mm)	Width (mm)	Height (mm)
	E Series							
1000729644	Unijet E110 HC	365	—	—	1.4	23	110	123
1000723174	Unijet E110 HC	385	—	—	3	23	110	123
1000723173	Unijet E110 HC	395	—	—	3	23	110	123
1000723175	Unijet E110 HC	405	—		3	23	110	123
1000723169	Unijet E110 HD	365	1.8	—	—	23	110	115
1000723171	Unijet E110 HD	385	3.0	—	—	23	110	115
1000723172	Unijet E110 HD	395	3.0	—	—	23	110	115
1000723170	Unijet E110 HD	405	3.0	—	—	23	110	115
1000723168	Unijet E110 U-DOS	385	—	1.5	—	23	110	120
1000723166	Unijet E110 U-DOS	395	—	1.5	—	23	110	120
1000723167	Unijet E110 U-DOS	405	—	1.5	—	23	110	120
	E II Series							
1000729645	Unijet E075 II HC	365	—	—	1.8	28	76	150
1000723458	Unijet E075 II HC	385	—	—	4	28	76	150
1000723459	Unijet E075 II HC	395	—	—	4	28	76	150
1000723460	Unijet E075 II HC	405	—	—	4	28	76	150
1000723454	Unijet E075 II HD	365	4.2	—	—	28	76	135
1000723455	Unijet E075 II HD	385	7.0	—	—	28	76	135
1000723456	Unijet E075 II HD	395	7.0	—	—	28	76	135
1000723457	Unijet E075 II HD	405	7.0	—	—	28	76	135
1000723461	Unijet E075 II U-DOS	385	—	—	3	28	76	150
1000723462	Unijet E075 II U-DOS	395	—	—	3	28	76	150
1000723463	Unijet E075 II U-DOS	405	—	—	3	28	76	150
1000729646	Unijet E110 II HC	365	—	—	1.8	28	110	135
1000723155	Unijet E110 II HC	385	—	—	4	28	110	135
1000723154	Unijet E110 II HC	395	—	—	4	28	110	135
1000721930	Unijet E110 II HC	405	—	—	4	28	110	135
1000721941	Unijet E110 II HD	365	4.2	—	—	28	110	135
1000723153	Unijet E110 II HD	385	7.0	—	—	28	110	135
1000721938	Unijet E110 II HD	395	7.0	—	—	28	110	135
1000721940	Unijet E110 II HD	405	7.0	—	—	28	110	135
1000721933	Unijet E110 II U-DOS	385	—	—	3	28	110	135
1000723152	Unijet E110 II U-DOS	95	—	—	3	28	110	135
1000721934	Unijet E110 II U-DOS	405	—	—	3	28	110	135

For accessories see page 23.

HC = High Condensing

HD = High Dose



U-DOS = Directional Optical System

E Z SERIES

- Lightweight
- Air Cooled
- Dimming from 10%-100%
- Scalable End-to-End with Edgeless Module
- Integrated Driver

Part Number	Product Description	Wavelength (nm)	Power W/cm²@ Window	Power W/cm²@ 5mm	Dimensions Length (mm)	Width (mm)	Height (mm)
	EZ Series						
1000729648	Unijet E075Z HC	365	—	2.4	33	76	149
1000723468	Unijet E075Z HC	385	—	5.5	33	76	149
1000723469	Unijet E075Z HC	395	—	5.5	33	76	149
1000723470	Unijet E075Z HC	405	—	5.5	33	76	149
1000723464	Unijet E075Z HD	365	4.2	—	33	76	135
1000723465	Unijet E075Z HD	385	7.0	—	33	76	135
1000723466	Unijet E075Z HD	395	7.0	—	33	76	135
1000723467	Unijet E075Z HD	405	7.0	—	33	76	135
1000723471	Unijet E075Z U-DOS	385	—	4.5	33	76	150
1000723473	Unijet E075Z U-DOS	395	—	4.5	33	76	150
1000723479	Unijet E075Z U-DOS	405	—	4.5	33	76	150
1000729649	Unijet E110Z HC	365	—	2.4	33	113.5	149
1000723165	Unijet E110Z HC	385	—	5.5	33	113.5	149
1000723164	Unijet E110Z HC	395	—	5.5	33	113.5	149
1000723163	Unijet E110Z HC	405	—	5.5	33	113.5	149
1000723162	Unijet E110Z HD	365	4.2	—	33	113.5	135
1000723161	Unijet E110Z HD	385	7.0	—	33	113.5	135
1000723160	Unijet E110Z HD	395	7.0	—	33	113.5	135
1000723159	Unijet E110Z HD	405	7.0	—	33	113.5	135
1000723158	Unijet E110Z U-DOS	385	—	4.5	33	113.5	150
1000723157	Unijet E110Z U-DOS	395	—	4.5	33	113.5	150
1000723156	Unijet E110Z U-DOS	405	—	4.5	33	113.5	150

	Accessories - E Series	**Notes**
1000711272	E-PS SP-200-24	Input: 100-240VAC 50/60Hz Output: 200W 24VDC power supply
1000711273	E-PS SP-320-24	Input: 100-240VAC 50/60Hz Output: 320W 24VDC power supply
1000711252	E-Power Cable	2m length
1000711269	E-Daisy Chain Cable	150mm length
1000711270	E-Control Box	—
1000711271	E-Analog Control Cable	2m length

	Accessories - E II Series	**Notes**
1000712460	E II-PS SP-200-48	Input: 100-240VAC 50/60Hz Output: 200W 48VDC power supply Power supply for 1 unit
1000712461	E II-PS SP-320-48	Input: 100-240VAC 50/60Hz Output: 320W 48VDC power supply (for 2 units E110 II)
1000712462	E II-PS PSP-600-48	Input: 100-240VAC 50/60Hz Output: 600W 48VDC power supply (for 2 units E110 Z)
1000712408	E II-Power Cable	2m length
1000712409	E II - Daisy Chain Cable	150mm length
1000714554	E II - Data Daisy Chain Cable	150mm length
1000712410	E II - Control Box	—
1000712411	E II - Analog Control Cable	2m length