

Short Arc Pulsed Xenon Light Source Selection Guide



	nPAX-N2	μPAX-3	LS-6	1100 Series FX/FYD/PS	
				Glass Body	Metal Can
Average power (W)*	2 Watt	2 Watt	6 Watt	10 Watt	20 Watt
System type	Integrated	Integrated	Integrated	Modular	Modular
Arc length options (mm)	1.5	1.5	1.5, 3.0	1.5, 3.0	1.5, 3.0
Max rep rate (Hz) ¹	532	532	1579	300	300
Max input energy per flash (J) ¹	0.25	0.25	0.48	0.15	0.5
Stability**	< 1% CV	< 1% CV	< 1% CV	< 1% CV	< 1% CV
Capacitance options (μF)	0.047, 0.094, 0.141	0.047, 0.094, 0.141	0.047, 0.10, 0.22, 0.27	0.1 ²	0.1 ³ , 0.25, 0.5
Removeable lamp	No	No	No	Yes	Yes
Lifetime (flashes)	≥ 10x10 ⁹	≥ 10x10 ⁹	≥ 10x10 ⁹	≥ 10x10 ⁹	≥ 10x10 ⁹
Input connector	Flying leads	JST B6B-XH-A	9-pin D-sub	9-pin D-sub	9-pin D-sub

*Average electrical input power.

** Coefficient of Variation (CV) is defined as: $CV\% = (\text{Standard Deviation of 20 Flashes}) / (\text{Mean of 20 Flashes})$ and dependent on operating conditions. See product datasheets for more.

Notes:

1. Maximum rep rate and maximum input energy per flash are inversely proportional. To achieve the listed maximum rep rate, a lower input energy per flash is required and vice versa.
2. Standard value for the corresponding PS-1110 power supply.
3. Standard value for the corresponding PS-1120 power supply.



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