

Powerlite DLS Series Specifications

Powerlite DLS Model	8000	8010	8020	8030	8050	9010	9020	9030	9050	PLUS	2 Joules
Repetition Rate (Hz)	10	10	20	30	50	10	20	30	50	10	10
Energy (mJ)											
1064 nm	1200	1650	1200	650	550	2000	1800	1600	1200	3000	3500
532 ¹ nm	600	800	550	300	210	1000	900	800	600	1500	¹⁾ 2000
355 ² nm	310	450	300	150	95	550	475	400	350	800	NA
266 nm	120	150	80	50	30	160	110	90	75	160	NA
Pulsewidth ³ (nsec)											
1064 nm	6-8	6-8	6-8	7-9	7-9	5-9	5-9	5-9	5-9	5-9	²⁾ 5-9
532 nm	5-7	5-7	5-7	6-8	6-8	4-8	4-8	4-8	4-8	4-8	²⁾ 4-8
355 nm	5-7	5-7	5-7	6-8	6-8	3-7	3-7	3-7	3-7	3-7	NA
266 nm	5-7	5-7	5-7	6-8	6-8	3-6	3-6	3-6	3-6	3-6	NA
Linewidth ⁴ (cm ⁻¹)											
Standard	1	1	1	1	1	1	1	1	1	1	³⁾ 1
Injection Seeded, SLM	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	³⁾ 0.003
Divergence ⁵ (mrad)	0.45	0.45	0.45	0.5	0.5	0.45	0.45	0.5	0.5	0.45	⁴⁾ 0.45
Beam Pointing Stability ⁶ (±μrad)	30	30	30	30	30	30	30	30	30	30	⁵⁾ 30
Beam Diameter	9	9	9	7	7	9	9	9	9	12	12

Notes for PL DLS 8000/9000/PLUS

- Using Type II doubler
- Using Type I doubler
- FWHM full width half max
- FWHM (1cm⁻¹ = 30 GHz)
- Full angle for 86% (1/e²)
- 99.9% shots will be <±30 μrads with ΔT_{room} <±3°C

Notes for PL DLS 2 Joules

- Using Type II doubler
- FWHM full width half max
- FWHM (1cm⁻¹ = 30 GHz)
- Full angle for 86% (1/e²)
- 99.9% shots will be <±30 μrads with ΔT_{room} <±3°C