

NEW DRL

Low repetition rate

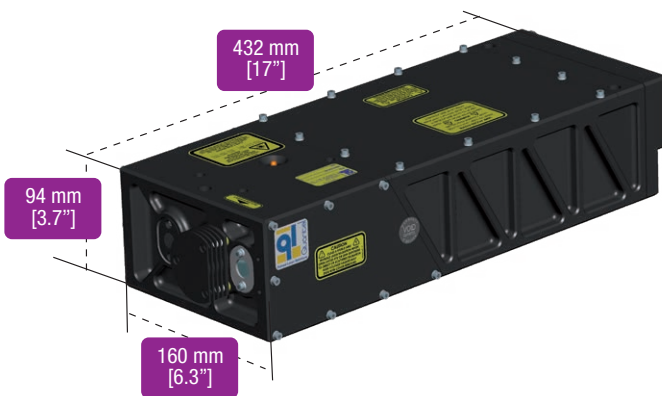
Flashlamp pumped pulsed solid state laser

- IR, green and UV versions available
- Compact laser head design for easy integration
- Sealed head design for operation in various environments
- Fixed repetition rate models from 20 to 30 Hz
- With pulse energies from 700 to 650 mJ @ 1064 nm



Laser head

6.4 kg
[14 lbs]



Power supply

18 kg
[40 lbs]



DRL

Specifications

Model	DRL10-800-S-λλλλ	DRL20-700-S-λλλλ	DRL30-650-S-λλλλ
REPETITION RATE [Hz]	10	20	30
PULSE ENERGY [mJ]			
1064 nm	800	700	650
532 nm	370	340	300
355 nm	190	170	150
PULSE WIDTH [ns]			
1064 nm		< 15	
532 nm		< 15	
355 nm		< 15	
ENERGY STABILITY [% rms]			
1064 nm		< 1.5	
532 nm		< 2	
355 nm		< 3	
BEAM DIAMETER [mm]			
1064 nm		< 10	
532 nm		< 10	
355 nm		< 10	
DIVERGENCE [mrad]			
1064 nm	4	5	6
532 nm	3	4	4

TRANSVERSE MODE	Multiple
RESONATOR CONFIGURATION	Stable
POLARIZATION DIRECTION	
1064 nm	H
532 nm	V
355 nm	V
SPECTRAL PURITY	
532 nm	> 98 %
355 nm	> 97 %

POWER	200 - 240 VAC, 50/60 Hz, < 10 A
COMPUTER INTERFACE	RS232

OPERATING TEMPERATURE [°C]	10 - 30
STORAGE TEMPERATURE [°C]	5 - 50

CABLE LENGTH	3 m [10 ft]
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01/21 DRL LRR-REVA - Lumibird reserves the right to modify the specifications without prior notice. Design: Pousnières d'Étoiles



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NEW DRL High repetition rate

Flashlamp pumped pulsed solid state laser

- IR and green versions available
- Compact laser head design for easy integration
- Sealed head design for operation in various environments
- Fixed repetition rate models from 100 to 200 Hz
- With pulse energies from 200 to 100 mJ @ 1064 nm



Laser head

6.4 kg
[14 lbs]

94 mm
[3.7"]

160 mm
[6.3"]

432 mm
[17"]

Power supply

27.5 kg
[60.5 lbs]

94 mm
[3.7"]

160 mm
[6.3"]

432 mm
[17"]

DRL

Specifications

Model	DRL100-200-S-λλλλ	DRL150-150-S-λλλλ	DRL200-100-S-λλλλ
REPETITION RATE [Hz]	100	150	200
PULSE ENERGY [mJ]			
1064 nm	200	150	100
532 nm	100	75	50
PULSE WIDTH [ns]			
1064 nm		< 15	
532 nm		< 15	
ENERGY STABILITY [% rms]			
1064 nm		< 2	
532 nm		< 3	
BEAM DIAMETER [mm]			
1064 nm		< 5	
532 nm		< 5	
DIVERGENCE [mrad]			
1064 nm		< 7	
532 nm		< 6	

TRANSVERSE MODE	Multiple
RESONATOR CONFIGURATION	Stable
POLARIZATION DIRECTION	
1064 nm	V
532 nm	V
SPECTRAL PURITY	
532 nm	> 98 %

POWER	3 phase 200 - 240 VAC, 50/60 Hz
COMPUTER INTERFACE	RS232

OPERATING TEMPERATURE [°C]	10 - 30
STORAGE TEMPERATURE [°C]	5 - 50

CABLE LENGTH	3 m [10 ft]
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Chiller (100 and 150 Hz)	
DIMENSIONS	376 x 622 x 673 mm [14.8 x 24.5 x 26.5 inch]
WEIGHT	75 kg [166 lbs]
POWER	208/230 VAC, single phase, 10 A

Chiller (200 Hz)	
DIMENSIONS	544 x 706 x 810 mm [21.4 x 27.8 x 31.9 inch]
WEIGHT	123 kg [270 lbs]
POWER	208/230 VAC, single phase, 18 A
HOSES	10 m [33 ft]

Water-to-water cooling available as an option

