

# LDX Optronics Inc.

## 445nm -690nm Laser Diodes

Part Number	Wavelength (nm)	Output Power (mW)	Emitter Size (um)	Operating Temp (°C)	Threshold Current (mA) Typ.	Operating Current (mA) Typ.	Operating Voltage (V) Typ.	Beam Divergence (FWHM)		Spectral Width (°) FWHM	Polarization
								$\theta_{//}$ (°)	$\theta_{\perp}$ (°)		
LDX-3102-445	445 ±10 nm	1,600	20	25	150	1100	4.5	12° Full Angle (1/e <sup>2</sup> )	40° Full Angle (1/e <sup>2</sup> )	2	TE
LDX-3305-445	445 ±10 nm	3,500	50	25	300	2200	4.5	12° Full Angle (1/e <sup>2</sup> )	40° Full Angle (1/e <sup>2</sup> )	2	TE
LDX-3102-520	520 ±10 nm	1,000	25	25	300	1600	4.5	11	46		
LDX-2106-622	622 ±3 nm	150	60	5	750	1250	2.3	7	50	1	TE
LDX-2205-627	627 ±3 nm	250	50	10	450	1000	2.3	7	50	1	TE
LDX-2310-627	627 ±3 nm	350	100	10	900	1500	2.3	7	50	1	TE
LDX-2205-630	630 ±3 nm	250	50	15	450	1000	2.1	7	34	1	TM
LDX-2410-630	630 ±3 nm	400	100	15	900	1500	2.1	7	34	1	TM
LDX-2305-635	635 ±3 nm	300	50	15	425	600	2.2	7	34	1	TM
LDX-2410-635	635 ±3 nm	400	100	20	550	850	2.1	7	34	1	TM
LDX-2615-635	635 ±3 nm	600	150	20	600	1200	2.1	7	34	1	TM
LDX-3130-635	635 ±3 nm	1,200	300	15	1200	2900	2.2	7	34	1	TM
LDX-2305-645	645 ±3 nm	300	50	20	350	600	2.6	7	34	1	TE
LDX-2410-645	645 ±3 nm	400	100	20	500	1050	2.1	7	24	1	TE
LDX-3115-650	650 ±5 nm	1,000	150	20	700	1700	2.1	7	40	1	TE
LDX-2305-660	660 ±3 nm	300	50	20	300	700	2.1	7	40	1	TE
LDX-2710-660	660 ±3 nm	700	100	20	600	1150	2.1	7	40	1	TE
LDX-3115-660	660 ±3 nm	1,000	150	20	800	1550	2.2	7	40	1	TE
LDX-3230-660	660 ±3 nm	2,000	300	20	1800	3600	2.2	7	40	1	TE
LDX-2305-665	665 ±3 nm	300	50	20	300	900	2.1	7	40	1	TE
LDX-2710-665	665 ±3 nm	700	100	20	500	1350	2.1	7	40	1	TE
LDX-3115-665	665 ±3 nm	1,000	150	20	700	1600	2.1	7	40	1	TE
LDX-3230-665	665 ±3 nm	1,600	300	20	2000	4000	2.1	7	40	1	TE
LDX-2405-680	680 ±3 nm	400	50	20	300	900	2.1	7	40	1	TE
LDX-2710-680	680 ±3 nm	750	100	20	450	1350	2.1	7	40	1	TE
LDX-3115-680	680 ±3 nm	1,000	150	20	650	1600	2.1	7	40	1	TE
LDX-3230-680	680 ±3 nm	1,800	300	20	2000	4200	2.1	7	40	1	TE
LDX-2405-690	690 ±3 nm	400	50	20	300	900	2.2	7	34	1	TE
LDX-2710-690	690 ±3 nm	750	100	20	450	1100	2.2	7	34	1	TE
LDX-3115-690	690 ±3 nm	1,100	150	20	650	1600	2.2	7	34	1	TE



The Standard Package is the C-mount. Other Packages are available at additional cost: D-mount, Q-mount, 9.0mm, 9.0mm Fiber coupled, TO-3 (no TEC), TO-3 (with TEC), HHL Free Space, HHL Fiber Coupled and CS Bar packages.

LDX follows a policy of continuous product improvement. Specifications are subject to change without notice.

These components do not comply with the Federal Regulations (21 CFR Subchapter 1) as administered by the Center for Devices and Radiological health. Purchaser acknowledges that his/her products must comply with these regulations before they can be sold to a customer.

For Additional Information Contact:



203 Joseph St. O'Fallon, Mo 63366  
 Phone: (636) 272-7227; fax (636) 272-3909  
 diodes@rpmclasers.com rpmclasers.com

