

# 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	1,000	20	25	300	1200	5	12° Full Angle (1/e <sup>2</sup> )	40° Full Angle (1/e <sup>2</sup> )	2	TE
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-2306-635	635 ±3 nm	300	60	15	425	800	2.4	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-2205-645	645 ±3 nm	250	50	20	375	600	2.1	7	34	1	TE
LDX-2410-645	645 ±3 nm	400	100	20	500	1050	2.1	7	24	1	TE
LDX-2205-650	650 ±5 nm	250	50	20	300	700	2.1	7	40	1	TE
LDX-2410-650	650 ±5 nm	400	100	20	500	1150	2.1	7	40	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-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:



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