

# LDL LED Qualified Fixture and Tubular LED Lamp List



The LED product list is maintained by the Lighting Design Lab for Puget Sound Energy, Seattle City light, Snohomish PUD, Tacoma Power, the Energy Trust of Oregon, Bonneville Power Administration, Idaho Power, and the Eugene Water and Electric Board.

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Fixture/Lamp Type	Manufacturer	Model Number	Lamp Voltage	CCT	Input Wattage	Efficacy LPW	Rated Lumens	CRI	R9 Value	Post Date
HID Replacements	Cost-Less LED Lighting	CLLL/HPRL/28W/E40/NW	120	4500-5500 K	29.7	64.0	2400	69.6	-29	7/20/11
			277	4500-5500 K	30.3	64.0	2400	69.6	-29	7/20/11
			240	4500-5500 K	30.1	64.0	2400	69.6	-29	7/20/11
		CLLL/HPRL/360/36W/E40/NW	277	4500-5500	35.1	66.1	2400	75.5	-7	7/20/11
			240	4500-5500	35.2	66.1	2400	75.5	-7	7/20/11
			CLLL/20/STICK/SMD NW	120	4500-5000	18.3	66.4	1200	70.5	-27
240	4500-5000 K	19.2		66.4	1200	70.5	-27	7/20/11		
High- and Low-bay Fixtures for C&I Buildings	ESL Vision	ESL-HB-S3-150W	120	6000 K	147.1	71.2	10500	73.0	-15	3/21/12
	Huizhou TCL	TCLFLL-80W	110	6500 K	89.5	64.3	6400	70.2	-32	4/17/12
	Light Efficient Design	LED-8025-DL	120	5700 K	52.3	61.4	3200	80.6	6.9	4/3/12
	Lithonia	STL4 48L D50 LP835 N100	120	3500 K	50.0	98.7	4763	81.7	4.6	2/7/12
			120	4000 K	48.5	99.7	4738	82.3	7.2	2/7/12
	QSSI	CURVALED10X12	120	6500 K	132.2	74.4	10000	75.0	-18	5/2/12
	Simplyleds	CLG-120-C-AP-FT	120	5000 K	107.0	72.2	(blank)	73.0	15.6	9/6/11
			120	5000 K	107.0	73.8	(blank)	73.0	15.6	9/8/11
			120	5000 K	107.0	70.0	850	73.0	15.6	9/8/11
			120	5000 K	72.5	69.7	5051	77.0	1	9/22/11
			120	5000 K	54.7	72.5	3968	78.0	1	9/22/11
	Titan LED	3100	120	5700 K	109.2	69.1	7600	71.8	-12.3	4/3/12
		3300	277	6000 K	143.5	70.9	11400	74.3	-2.3	3/22/12
	Linear Panels (1x4 Troffer)	Cree	CR14-40L-40K-S	120	4000 K	43.6	90.9	4000	90.4	60.8
Linear Panels (2x2 Troffer)	Cree	CR22-32L-35K-S	120	3500 K	35.5	92.3	3200	93.1	76.5	7/28/11
	Finelite	HPR-2x2-LED-4000K-120V-SC series	120	4000 K	35.0	87.6	(blank)	83.0	13.6	8/23/11
			120	3500 K	34.5	86.3	3065	83.0	12	8/24/11
	Galaxia	GP300TK45W - 5000K	277	3000-6500 K	42.7	95.0	3850	87.6	30.2	3/16/12
			277	3000-6500 K	43.0	89.2	3850	83.4	18.7	3/16/12
			277	3000-6500 K	43.6	91.3	3850	88.7	36.7	3/12/12
	Philips Day-Brite	2DLG44L840-2-D-UNV	277	4000 K	53.0	81.0	4400	85.1	50.5	4/16/12
	Samsung/Acuity Brands	2RTLLED 3300L D45 LP835	120	3500 K	44.8	74.2	3295	80.8	24.4	7/20/11
	US LED	GTR1-1-22-CN1-50	120	(blank)	63.8	69.8	4450	80.7	21.6	5/31/11
Linear Panels (2x4 Troffer)	Cree	CR24-40L-35K-S	120	3500 K	44.1	90.5	4000	93.1	74.4	7/20/11
Outdoor Pole/Arm-Mounted Decorative Luminaires	EcoFit Lighting	ECO-D5-UNV-525-90-4100	120	4100 K	136.8	70.6	9764	67.0	-27	3/15/12
			277	4100 K	133.3	70.6	9764	67.0	-27	3/15/12

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Fixture/Lamp Type	Manufacturer	Model Number	Lamp Voltage	CCT	Input Wattage	Efficacy LPW	Rated Lumens	CRI	R9 Value	Post Date
Outdoor Pole-Mounted Area and Roadway Fixtures	Atlas	FLDX-4X9-700mA	120	4500 K	83.1	68.3	5675	67.9	-27.7	5/9/2012 16:27
	Cooper Lighting	TLM-A06-LED-E1-5WQ-4K-x	120	4000 K	150.2	79.0	9837	69.1	-21.8	5/31/11
	EcoFit Lighting	ECO-D5-UNV-350-90-4100	120	4100 K	89.5	82.4	7375	66.0	-28	3/21/12
			277	4100 K	89.5	82.4	7375	66.0	-28	3/21/12
		ECO-D2-UNV-525-90-4000	120	4100 K	136.8	60.7	8252	67.0	-27	3/16/12
			277	4100 K	133.3	60.7	8252	67.0	-27	3/16/12
		ECO-D2-UNV-350-90-4000	120	4100 K	91.3	69.7	6365	66.0	-28	3/14/12
	277	4100 K	91.3	69.7	6365	66.0	-28	3/14/12		
	GE Lighting	ERS2EXEX5402	277	4000 K	93.4	77.5	6900	77.5	2.6	1/9/12
		ERS10BEXEX5402	277	4000 K	53.1	78.5	4000	74.6	-2.4	1/9/12
		ERS10AXEX540	120	4000 K	42.4	72.1	3000	79.3	5.8	1/9/12
	Light Efficient Design	LED-8023-DL	120	5700 K	34.3	80.6	2850	83.5	14.4	2/15/12
		LED-8024-DL	120	5700 K	44.0	85.5	3700	83.9	15.8	2/15/12
	QSSI	AC1F10X12U40KZMA	120	4000 K	145.0	60.2	8700	83.0	30	4/6/12
	RAB	ALED52	120	5000 K	60.6	57.0	3429	67.0	-39	4/5/12
Titan LED	5304	277	(blank)	153.9	65.5	10077	74.7	-10.1	7/20/11	
Visionaire Lighting	EL2-T4-192LC-7-5500K	120	5700 K	410.0	71.8	29472	75.0	-16.2	11/1/11	
Noribachi Corporation	V.SAR.144.B.B.A.A.45.MT	277	4500 K	152.3	78.1	12757	68.4	-21.3	1/31/12	
	V.SAR.144.B.B.A.B.65.MT	120	5700 K	221.1	84.1	19135	72.8	4.6	1/5/12	
Outdoor Wall-mounted Area Fixtures ie. Ground Flood	ElectroLED	OH-183-5000-MM	120	5000 K	34.5	54.7	2668	85.0	-1	7/20/11
	RAB	HBLED13	120	5000 K	15.3	53.6	724	68.6	-31.9	7/20/11
	RAB	HBLED13A	120	5000 K	15.3	47.3	724	68.6	-31.9	6/10/11
Outdoor Wall-Mounted Area Fixtures ie. Wall Packs	Atlas Lighting	WLM43LED	120	4100 K	41.3	54.7	2157	65.6	-30.8	4/12/12
		WLD64LED	120	4500 K	63.7	57.0	3630	67.2	-24.9	4/3/12
		WLSG27LED	120	4500 K	27.8	59.8	1660	68.4	-21	4/3/12
		FLM-2x9-700mA	120	4100 K	42.6	66.6	4100	66.0	-31.9	5/2/12
	Cost-Less LED Lighting	CLLL/HPFL/30/D120/CW	120	6500 K	30.5	67.1	1950-2000	74.6	-13.2	3/12/12
			240	6000 K	30.8	67.1	1950	74.6	-13.2	3/2/12
		CLLL/HPFL/50/D120/PW	240	6500 K	53.8	55.8	3000-3500	78.3	6.1	3/16/12
	LEDrite/AEON	F050/R050/S050	120	6500 K	46.8	75.5	3500	69.6	-15.5	4/12/12
	Philips	LP16T	120	4000 K	36.5	68.7	2500	68.2	-25.3	2/28/12
	RAB	FXLED78	120	5100 K	120.0	65.3	5927	67.0	-47	2/15/12
		FFLED39	120	5100 K	45.3	66.0	2991	68.0	-44	2/15/12
		FFLED18	120	5000 K	22.4	72.5	1624	70.0	-42	2/15/12
		WPLED52N	120	5000 K	60.6	57.0	3429	67.0	-39	4/5/12
	RAB	WPLED52	120	5000 K	60.6	64.1	3884	67.0	-39	4/12/12
	Simplyleds	WLP-35-N-R-01	120 VAC	4000 K	35.9	52.0	(blank)	81.1	15.1	8/1/11
Parking Garage/Canopy Fixtures	1 Source LED	CO2BT092	120	6000 K	82.9	75.1	7216	75.1	-11.3	3/1/12
	Semline	WL-FA75LI01	120	5700 K	72.1	94.5	5107	76.9	-5.3	6/26/11

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Fixture/Lamp Type	Manufacturer	Model Number	Lamp Voltage	CCT	Input Wattage	Efficacy LPW	Rated Lumens	CRI	R9 Value	Post Date
Recessed LED, Surface and pendant-mounted downlights	American Lighting	B0611	120	3000 K	12.1	45.0	587	83.0	13	4/16/2012 14:44
	Lithonia Lighting	2RTLEDR 4600L D50 LP835	120	3500 K	49.4	94.0	4300	82.0	26.4	5/2/2012 12:50
	RAB	CLED2X26N	120	4087 K	52.0	44.0	3652	87.0	51	4/17/2012 9:36
Recessed, Surface and pendant-mounted downlights	American Lighting	B0611	120	3000 K	12.1	45.0	587	83.0	13	4/16/12
	Galaxia	GP300TK45W - 5000K	277	3000-6500 K	42.7	95.0	3850	87.6	30.2	3/16/12
		GP300TK45W - 3000K	277	3000-6500K	43.0	89.2	3850	83.4	18.7	3/16/12
	Lithonia	STL2 22L D26 LP835 N100	120	3500 K	23.3	98.0	2205	81.7	4.9	3/5/12
		STL2 22L D26 LP840 N100	120	4000 K	24.7	97.0	2339	83.6	10.8	3/5/12
	RAB	PLED2X26N	120	4087 K	52.0	44.0	3652	87.0	51	4/4/12
	Sylvania	LED/625/RT6/827/FL80/WRFL/WTR	120	2700 K	10.5	59.9	625	82.3	4.1	3/7/12
		LED/625/RT6/830/FL80/WRFL/WTR	120	3000 K	10.3	61.7	625	83.1	6.4	3/7/12
		LED/550/RT4/830/FL80/WRFL/WTR	120	3000 K	8.9	62.1	550	83.0	7.8	3/7/12
		LED/550/RT4/827/FL80/WRFL/WTR	120	2700 K	9.2	61.3	550	81.1	1.6	3/7/12
Refrigerated Case Lighting	1 Source LED	2LB68(L/R)24V15W41KBK	24	4000 K	13.1	40.5	683	77.0	-5	9/22/11
		2LB68M24V30W41KBK	24	4000 K	28.0	40.5	1315	77.0	-2	9/22/11
		2LB56M24V24W41KBK	24	(blank)	21.2	39.9	1032	77.0	-3	9/22/11
		2LB56(L/R)24V24W41KBK	24	4000 K	10.6	39.9	524	76.0	-5	9/22/11
	LED Power	SFBL (L/R)18-78-56"-41K-14V	24	4244 K	11.5	50.7	585	77.0	-10	4/4/12
		SFBL (L/R)18-84-59"-41K-14V	24	4244 K	12.4	50.7	630	77.0	-10	4/4/12
		SFBL (L/R)18-96-66"-41K-14V	24	4244 K	14.2	50.7	720	77.0	-10	4/4/12
		SFBL (L/R)18-66-47"-41K-14V	24	4244 K	9.8	50.7	495	77.0	-10	4/3/12
		DFBL18-192-66"-41K-24V	24	4248 K	29.2	50.7	1478.15	77.0	-10	3/27/12
		DFBL18-168-59"-41K-24V	24	4248 K	25.5	50.7	1293.38	77.0	-10	3/27/12
		DFBL18-132-47"-41K-24V	24	4248 K	20.0	50.7	1016.23	77.0	-10	3/27/12
		DFBL18-156-56"-41K-24V	24	4248 K	23.7	50.7	1201	77.0	-10	3/27/12
		SFBL12-66-66"-41K-24V	24	4219 K	10.1	48.5	488.4	77.0	-7	3/27/12
		SFBL12-60-62"-41K-24V	24	4219 K	9.2	48.5	444	77.0	-7	3/27/12
		SFBL12-54-56"-41K-24V	24	4219 K	8.6	48.5	399.6	77.0	-7	3/27/12
		SFBL12-44-47"-41K-24V	24	4219 K	6.7	48.5	325.6	77.0	-6	3/27/12
		DFBL12-132-66"-41K-24V	24	4255 K	21.5	48.5	1043.89	77.0	-6	3/27/12
		DFBL12-120-62"-41K-24V	24	4255 K	19.6	48.5	949	77.0	-6	3/27/12
		DFBL12-84-47"-41K-24V	24	4255 K	13.7	48.5	644	77.0	-6	3/27/12
		DFBL12-108-56"-41K-24V	24	4255 K	17.6	48.5	854	77.0	-6	3/27/12
	Philips	LDM422-18W	120	4000 K	23.7	42.6	750	86.9	34.5	4/3/12
		LDM405-17W	120	4100 K	22.0	53.0	NA	74.4	-0.5	3/15/12
		LDM405-12W	120	4100 K	16.7	51.2	NA	74.6	0.6	3/15/12
		LDM405-14W	120	4100 K	18.8	49.5	NA	74.6	0.4	3/15/12
		LDM405-20W	120	4100 K	24.6	51.3	NA	74.1	-1.5	3/15/12
	Philips	LDM 422 33 INCH 13W	120	4000 K	17.8	41.9	NA	86.8	34.9	4/17/12
		LDM 422 24 inch 9W	120	4000 K	12.6	38.2	NA	87.8	38.4	4/17/12

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Refrigerated Case Lighting	VESS	LED LIGHT BAR 60X SERIES	12	10026 K	21.1	61.4	1295	78.5	18.5	11/28/11
		LED LIGHT BAR 68X SERIES	12	10384 K	22.9	58.0	10384	77.4	13.1	11/28/11
		LED LIGHT BAR 48X SERIES	12	10073 K	17.4	59.9	1042	78.2	18.8	11/28/11
		LED LIGHT BAR 48DX SERIES	12	6314 K	23.0	57.0	1310	82.7	27.5	1/23/12
		LED LIGHT BAR 68DXL SERIES	12	6219 K	18.1	63.3	1145	81.6	24.9	1/24/12
		LED LIGHT BAR 68DX SERIES	12	6249 K	30.9	64.0	1978	84.6	35.8	1/24/12
		LED LIGHT BAR 48DXL SERIES	12	6227 K	12.8	54.8	701	81.3	23	1/23/12
		LED LIGHT BAR 58DXL SERIES	12	6231 K	15.7	56.8	15.7	82.7	30	1/24/12
		LED LIGHT BAR 58DX SERIES	12	6372 K	27.6	58.0	1600	86.2	43.1	1/24/12
		LED LIGHT BAR 48DXR SERIES	12	6227 K	12.8	54.8	701	81.3	23	1/23/12
		LED LIGHT BAR 58DXR SERIES	12	6231 K	15.7	56.8	891	82.7	30	1/31/12
LED LIGHT BAR 68DXR SERIES	12	6219 K	18.1	63.3	1145	81.6	24.9	1/31/12		
Track or Mono-point Directional Fixtures	Lightolier/Philips	LLAB030RNF	27	3000 K	16.1	62.6	975	86.0	27.7	10/5/11
		LLAB030RF	27	3000 K	16.1	60.7	909	86.2	28.7	10/5/11
		LLAB030RS	27	3000 K	16.1	65.0	1038	86.0	27	10/5/11
	LSI Lumelex	LX2024-D3M4	120	3000 K	26.0	32.9	860	81.0	16	12/7/11
		LX2024-D3M6	120	3000 K	25.9	33.0	860	81.0	16	12/7/11
		LX2024-D2M2	120	3000 K	25.9	33.2	860	81.0	16	12/6/11
Tubular Lamps	1 Source LED	TL4-SMD-41K-UNV-CL	120	4100 K	14.6	94.3	1500	82.9	12.9	4/3/12
	Hudnut Company, Inc	TL-24-CL-40-120-120-277VAC-9W	120	4000 K	9.1	92.6	740	82.4	7.9	2/8/12
		TL-48-SH-CL-40-120:277-18-GU13	120	4000 K	18.3	81.3	1480	88.1	39.7	7/28/11
	Light Dreams LLC	LD-T8-18W	120	4000 K	17.9	91.0	1650	83.0	17	11/1/11
	Light2Labs	T84300C-2774200E-80	120	4200 K	18.7	93.6	NA	81.2	16.3	7/20/11
		T84300F-2774200E-80	120	4200 K	18.5	86.4	NA	81.9	19.5	7/20/11
	Matrix	T8-120SWH/T8-120SSPH	120	6000 K	21.5	92.9	2000	84.8	36	4/11/12
		T8-060SWH/T8-060SSPH	120	6000 K	10.1	94.7	960	83.4	22	4/11/12
	NCS Power	NCST84300C-4200K	120	4200 K	18.7	93.6	1650	81.2	16.3	7/28/11
		NCST84300F-4200K	120	4200 K	18.5	86.4	1550	81.9	19.5	7/28/11

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