

# LDL LED Qualified Lamp List



The LED 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 Eugene Water and Electric Board.

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Lamp Type	Manufacturer	Model Number	CCT	Input Wattage	Efficacy LPW	Rated Lumens	Rated CBCP	Dimmable	CRI	Post Date
A19	Duracell LED Lighting	DL-A19B-27K-WH	2700 K	8.5	52.0	440	NA	Yes	84.0	1/31/12
		DL-A19B-30K-WH	3000K	8.5	58.9	500	NA	Yes	82.0	1/31/12
	ETI	520163 A19 8.5WATT 600lms	3000K	8.5	70.1	600	NA	No	80.0	4/17/12
		A19 7.5W	3000K	8.1	64.8	470	NA	No	84.8	4/3/12
	Feit Electric	A19800/OMNI/LED	3000K	13.4	63.4	800	(blank)	Yes	80.4	1/3/12
		DIM19/LED	3000K	7.6	62.7	450	(blank)	Yes	81.8	12/12/11
		A15/LED/150	3000K	2.3	70.3	150	NA	Yes	81.3	12/14/11
		A15/CL/LED/150	3000K	2.3	74.3	150	NA	Yes	81.3	12/15/11
	Green Creative	02-501D/830	3000K	7.8	67.9	500	NA	Yes	80.3	3/1/12
	Light Emission Technology	A19-E211-DC-2700-120D	2700 K	7.3	57.8	485	NA	Yes	80.5	2/8/12
	Light Emitting Designs	LED-1010	2700 K	6.4	61.6	420	NA	Yes	85.3	9/27/11
	Lighting Science Group	DFN A19 W27 V2 120	2700 K	13.7	60.0	800	NA	Yes	85.0	12/2/11
	MaxLite	SKB7.5LED27	2700 K	7.7	60.3	450	NA	No	84.2	4/16/12
	Philips	8A19/END/2700-470 DIM	2700 K	8.1	60.2	470	0	Yes	81.9	10/20/11
		9290002097 (L-Prize)	2700 K	9.8	98.1	940	NA	Available	92.7	1/27/12
	Satco	5.8W A19/LED 3500K 120V	3500 K	5.6	52.7	290	NA	Yes	85.1	5/25/11
		5.8W A19/LED 5000K 120V	5000 K	5.5	54.4	310	NA	Yes	86.0	5/29/11
	Spectra	ALVA-40A19E26-30WW	2700 K	7.5	64.5	480	NA	Yes	81.0	1/6/12
	Sylvania	LED13.5A/DIM/O/F/827	2700 K	13.4	55.9	800	NA	Yes	83.0	10/31/11
		LED14A19/DIM/O/827	2700 K	15.4	74.2	1100	NA	Yes	80.6	3/2/12
LED12A19/DIM/O/827		2700 K	11.3	79.2	810	NA	Yes	81.1	3/14/12	
LED8A19/DIM/O/827		2700 K	7.9	73.3	470	NA	Yes	81.0	3/8/12	
TCP	LED8E26A1930K	3000K	8.1	69.0	(blank)	(blank)	(blank)	82.0	9/1/11	
BA	KolourOne/Satco	S8968 2 watt BA15S OMNI LANDSCAPE	3000K	1.9	46.0	100	NA	Yes	82.7	4/9/12
BR30	Green Creative	01-702-D/827	2700 K	14.5	63.9	850	40	Yes	81.3	4/16/12
	Sylvania	LED15BR30/DIM/827	2700 K	13.9	55.5	770	NA	Yes	80.0	10/19/2011
BR40	Sylvania	LED18BR40/DM/827	2700 K	17.5	60.9	870	NA	Yes	81.7	5/15/2012
Candle	Feit Electric	CFC/DIM/LED	3000K	3.3	40.7	130	NA	Yes	82.8	12/12/11
		CFC/LED/150	3000K	2.3	70.7	150	NA	Yes	82.0	12/12/11
		EFC/DIM/LED	3000K	3.2	42.5	130	NA	Yes	82.9	12/12/11
		EFC/LED/150	3000K	2.3	71.4	150	NA	Yes	81.9	12/14/11
	Light Emission Technology	E251DC-4W-2700K	2700 K	4.1	47.1	180	648.3	Yes	81.6	3/16/12
		E251DC-4W-3000K	3000K	4.2	46.5	180	587.5	Yes	80.1	3/16/12
	Philips	4B12/END/2700-150 E26 DIM 10/1	2700 K	3.1	49.9	150	NA	Yes	91.6	10/11/11
		3BA11END/CL/2700K 130 DM 8/1	2700 K	3.0	42.4	136	NA	Yes	91.9	10/10/11
		4BA12/END/2700-150 E26 DIM 10/1	2700 K	3.1	51.3	150	NA	Yes	91.4	10/11/11
		3B11END/CL/2700K 130 DIM 8/1	2700 K	3.0	42.2	136	NA	Yes	90.7	10/10/11
		4F15/END/2700-150 E26 DIM 10/1	2700 K	3.1	52.5	150	NA	Yes	91.8	10/11/11
		4BA9.5/END/2700-150E12 DIM 10/1	2700 K	3.1	49.9	150	NA	Yes	91.7	10/10/11
		4B11/END/2700-150E12 DIM 10/1	2700 K	3.2	49.9	150	NA	Yes	91.5	10/10/11

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Lamp Type	Manufacturer	Model Number	CCT	Input Wattage	Efficacy LPW	Rated Lumens	Rated CBCP	Dimmable	CRI	Post Date
Candle	Satco	2.7W CANDLE/LED 5000K 120V E12	5000 K	2.3	48.6	120	NA	(blank)	86.1	6/18/11
		2.7W CANDLE/LED 3500K 120V E12	3500 K	2.5	45.4	110	NA	(blank)	85.1	6/17/11
		2.7W CANDLE/LED 2700K 120V E12	2700 K	2.4	44.3	100	NA	(blank)	83.7	6/16/11
G25	Sylvania	LED8G25/DIM/827	2700 K	8.1	52.4	420	NA	No	85.9	9/1/11
		LED8G25/DIM/F/830	3000K	8.4	52.1	450	NA	Yes	85.4	9/1/11
Globe	Feit Electric	BPG161/2/CL/LED/150	3000K	2.3	72.8	150	NA	Yes	81.5	12/12/11
		G25/DIM/LED	3000K	9.8	45.2	420	NA	Yes	80.9	12/12/11
Miniature Bi-	KolourOne/Satco	S8969 G4 2 watt 12 V LED OMNI	3000K	1.8	46.5	110	NA	No	83.2	4/12/12
MR16	Aeco Life Co	AL-M01B-27	2700 K	4.3	52.2	225	NA	No	82.1	3/12/12
	Aledra	MR16-2W3-25-40K-12V	4000 K	5.3	50.3	267	NA	No	82.3	1/11/12
		MR16-2W3-25-30K-12V	3000K	5.2	50.6	260	NA	No	82.5	12/21/11
	Bulbrite Industries	LED6MR16WW/NF	3000K	5.1	52.8	265	1195	No	82.0	11/15/11
	CRS Electronics	CMR16H30NF	3000K	6.9	68.4	470	1666	Yes	86.4	2/22/12
		CMR16H30FL	3000K	7.1	63.7	470	927	Yes	87.1	2/22/12
		CMR16H30SP	3000K	7.4	68.6	470	4103	Yes	86.8	2/22/12
	Eco-story	LED6MR16/NFL/30K	3000K	6.0	53.7	320	977	Available	82.2	12/6/11
	ETI	530192 7W MR16	3000K	6.8	47.2	340	NA	No	82.0	4/3/2012
	Green Creative	01-602/830-38D	(blank)	3.3	54.0	190	350	Yes	82.0	7/28/11
		01-703-D/830-36D	3000K	6.4	57.7	350	870	Yes	82.2	3/1/12
		01-703-D/827-36D	2700 K	6.5	52.9	330	820	Yes	81.5	3/1/12
	Light Emission Technology	E951DF-3200-40D	3500 K	4.0	59.7	230	768.4	Yes	80.7	11/30/11
		E951-3200-25D	3500 K	4.2	54.4	230	725.1	Yes	80.7	11/30/11
		E951DF-3000-25D	3000K	3.7	53.4	230	623.9	Yes	82.0	11/29/11
		E951DF-2800-25D	3000K	4.0	55.1	230	701.5	Yes	81.0	11/29/11
		E951DF-1204W440B	3000K	4.1	54.8	230	749.1	Yes	81.7	10/4/11
Lighting Science Group	DFN-16-WW-FL-GU10-120	3000K	5.0	63.2	325	450	No	84.0	11/15/11	
MSI	IMR1627320N	2700 K	4.5	69.2	300	775	No	84.4	2/15/12	

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Lamp Type	Manufacturer	Model Number	CCT	Input Wattage	Efficacy LPW	Rated Lumens	Rated CBCP	Dimmable	CRI	Post Date
MR16	Philips	7MR16/END/F24 2700	2700 K	6.9	51.4	360	1470	(blank)	84.8	7/28/11
		7MR16/END/F36 2700	2700 K	7.8	46.1	335	820	Yes	85.6	7/28/11
		10MR16/END/F24 2700	2700 K	10.0	44.9	450	1881	Yes	84.6	7/28/11
		10MR16/END/F24 3000	3000K	10.0	49.9	480	2000	(blank)	83.9	7/28/11
		10MR16/END/F36 2700	2700 K	9.9	44.2	440	1050	Yes	85.9	7/28/11
		7MR16/END/F24 3000 12V DM	3000K	7.3	53.9	(blank)	(blank)	(blank)	83.3	8/25/11
		7MR16/END/S15 3000 DM	3000K	7.5	45.3	(blank)	(blank)	(blank)	81.4	8/25/11
		7MR16/END/F24 2700 12V DM	2700 K	7.3	50.0	360	1450	(blank)	83.8	8/25/11
		10MR16/END/F24 2700 12VDM	2700 K	10.5	42.2	(blank)	(blank)	(blank)	84.6	9/1/11
		10MR16/END/ F24 3000 12VDM	3000K	10.1	48.6	(blank)	(blank)	(blank)	83.2	9/1/11
		10MR16/END/F24 4000 12V DM	4000 K	10.3	42.2	(blank)	(blank)	(blank)	85.8	9/1/11
		7MR16/END/F36 2700 12V DM	2700 K	7.3	48.1	(blank)	(blank)	(blank)	85.1	9/6/11
		7MR16/END/F36 4000 12V DM	4000 K	7.5	46.1	(blank)	(blank)	(blank)	85.9	9/6/11
		7MR16/END/F36 3000 12V DM	3000K	7.3	53.0	(blank)	(blank)	(blank)	83.5	9/6/11
		7MR16/END/F24 4000 12V DM	4000 K	7.4	47.2	(blank)	(blank)	(blank)	86.1	9/7/11
		7MR16/END/S15 2700	2700 K	7.5	43.3	(blank)	(blank)	(blank)	81.9	8/25/11
		3GU10/END/2700 150 DIM 10/1	2700 K	3.1	61.5	165	570	Yes	91.4	11/10/11
		10MR16/END/S15 3000 DM 10/1	3000K	10.5	41.1	435	3560	Yes	81.3	12/5/11
		10MR16/END/F36 4000 DM 10/1	4000 K	10.4	40.8	410	1020	Yes	85.8	12/5/11
		10MR16/END/F36 3000 DM 10/1	3000K	10.4	45.0	455	1090	Yes	83.5	12/5/11
	Satco	4W MR16/LED 60 DEGREE 3500K 12V	3500 K	4.0	51.1	190	173	No	85.2	5/20/11
		4W MR16/LED 60 DEGREE 5000K 12V	5000 K	3.9	51.3	200	172	No	87.0	5/21/11
		4MR16/LED 30 DEGREE 3200K 12V GU5.3	3200 K	4.2	46.7	195	360	Yes	82.6	6/12/11
		4MR16/LED 30 DEGREE 3200K 120V GU10	3200 K	3.7	43.5	175	360	No	84.4	6/13/11
		4MR16/LED 40 DEGREE 3200K 12V GU5.3	3200 K	4.2	45.6	195	340	Yes	83.3	6/14/11
		4MR16/LED 40 DEGREE 3200K 120V GU10	3200 K	3.5	48.9	175	340	No	83.4	6/15/11
	Sylvania	LED6MR16/DIM/827/FL36	2700 K	5.4	42.0	240	440	No	88.0	9/1/11
		LED6MR16/DIM/827/NFL25	2700 K	5.6	43.0	240	790	Yes	85.7	9/1/11
		LED6MR16/DIM/830/FL36	3000K	6.2	45.9	300	590	(blank)	85.0	9/1/11
		LED6MR16/DIM/830/NFL25	3000K	5.9	45.6	300	860	(blank)	87.2	9/1/11
	TCP	LE2W1383	3000K	2.0	51.9	100	34.1	No	84.0	9/30/11
		LE2WGBF	3000K	1.7	49.6	80	39.2	No	81.0	11/9/11
	Toshiba	7MR16/840SP10	4000 K	6.8	42.6	320	NA	Yes	86.7	6/21/11
7MR16/830SP10		3000K	6.9	42.1	310	NA	Yes	81.2	6/21/11	
7MR16/827SP10		2700 K	6.2	41.1	300	NA	Yes	81.8	6/21/11	
7MR16/830NFL25		3000K	6.7	45.6	310	1250	Yes	80.6	6/21/11	
LDRB0730MU1USD		3000K	6.3	40.6	280	1100	Yes	82.7	11/10/11	
LDRA0727WU5USD		2700 K	7.0	41.6	300	700	Yes	80.8	4/17/12	

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PAR16	Sylvania	LED5.5PAR16/GU10/830/NFL25	3000K	5.4	62.9	(blank)	(blank)	(blank)	84.0	9/21/11
		LED5.5PAR16/830/NFL25	3000K	5.4	59.2	(blank)	(blank)	(blank)	83.7	9/21/11
		LED10PAR16/DIM/830/FL35	3000K	9.5	51.4	500	1200	Yes	82.0	5/8/2012
		LED10PAR16/GU10/DIM/830/FL35	3000K	10.0	50.3	500	1200	Yes	82.0	5/8/2012
PAR20	Bulbrite Industries	LED5PAR20WW/FL/D	3000K	5.6	46.6	260	388	Yes	82.2	11/17/11
		LED5PAR20WW/NF/D	3000K	5.5	49.8	260	964	Yes	80.4	11/17/11
	Duracell LED Lighting	DL P20G 25 WH	2700 K	9.1	43.5	435	NA	Yes	81.3	7/20/11
		Eco-story	ECOX-PAR-20-DIM-9-WW-25	2700 K	8.9	50.2	432	1862	Yes	84.0
	Green Creative	5.5PAR20/TIT/DIM/830/WF40	3000K	5.6	46.6	(blank)	(blank)	(blank)	82.2	8/2/11
		5.5PAR20/TIT/DIM/830/NF25	3000K	5.5	49.8	(blank)	(blank)	(blank)	80.4	8/2/11
		01-704-D/830-40D	3000K	7.4	49.6	350	538.7	Yes	86.4	3/16/12
	GREEN CREATIVE LTD	01-704-D/830-25D	3000K	7.4	47.8	335	1321	Yes	85.9	3/16/12
		01-704-D/827-40D	2700 K	7.5	44.5	315	540	Yes	86.3	5/8/2012
		KolorOne/Satco	S8957 7 watt LED Par 20 40 degree	2700 K	6.8	43.1	300	488	Yes	83.6
	S8956 7 watt LED Par 20 40 degree		3500 K	7.0	41.7	320	488	Yes	82.1	4/6/12
	Light Emission Technology	E910DC0107W440B	3000K	7.1	43.1	330	1.101	Yes	81.8	10/4/11
		E910DC0107W325	3000K	5.6	46.9	280	894.9	Yes	81.1	11/1/11
		E910DC0107W340	3000K	5.7	45.3	280	849.5	Yes	81.1	11/2/11
		E910-2800-40D	3000K	5.7	45.3	280	849.5	Yes	81.1	11/2/11
		E910-3400K-40D	3500 K	6.6	42.7	330	NA	No	80.3	2/8/12
		E910-3200K-40D	3000K	6.8	48.3	330	1.04	Yes	81.3	2/8/12
	Light Emitting Designs	LED-1714	2700 K	7.4	58.5	450	NA	Yes	85.3	9/29/11
	MaxLite	SKR2006DLED30	3000K	6.5	52.7	380	674	Yes	81.1	4/16/12
	Philips	7PAR20/END/F22 4000 DM	4000 K	7.1	40.0	(blank)	(blank)	(blank)	84.5	9/20/11
		7PAR20/END/F25 2700-280 DIM 6/1	2700 K	6.8	40.2	280	1300	Yes	81.5	2/14/12
	Sylvania	LED8PAR20/DIM/827/NFL25	2700 K	8.6	40.3	320	1150	Yes	85.3	3/12/12
		LED8PAR20/DIM/830/FL36	3000K	8.4	42.1	350	710	No	84.2	9/1/11
		LED8PAR20/DIM/830/NFL25	3000K	8.4	40.7	350	1260	No	84.2	9/1/11
		LED10PAR20/DIM/P/GU24/930/FL30	3000K	10.4	53.3	(blank)	(blank)	(blank)	94.5	8/24/11
		LED10PAR20/DIM/P/930/FL30	3000K	10.4	53.1	(blank)	(blank)	(blank)	94.6	8/24/11
		LED8PAR20/DIM/H/830/NFL25	3000K	8.1	51.2	400	2000	Yes	85.3	9/29/11
		LED8PAR20/DIM/H/830/FL36	3000K	7.9	50.5	400	675	Yes	85.6	10/24/11
LED8PAR20/DIM/827/FL36		2700 K	7.6	41.6	320	670	Yes	84.9	3/12/12	
Toshiba	9P20/830SP10	3000K	8.3	44.7	385	NA	(blank)	82.9	6/21/11	
	9P20/827SP10	2700 K	8.3	41.8	380	NA	(blank)	81.9	6/21/11	

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PAR30	Aledra	PAR30-S-D-30-40K	4000 K	9.2	63.6	568	7514	Yes	80.9	1/11/12
		PAR30-S-D-30-30K	3000K	9.4	56.8	535	NA	Yes	81.4	12/30/11
	Eco-story	ECOX-PAR-30-DIM-15-WW-25	2700 K	13.9	52.1	609	2662	Yes	84.2	7/29/11
	Green Creative	9PAR30/TIT/DIM/830/WF40	3000K	8.7	53.0	(blank)	(blank)	(blank)	80.0	8/2/11
		9PAR30/TIT/DIM/830/NF25	3000K	8.7	53.0	(blank)	(blank)	(blank)	80.1	8/2/11
		01-705-D/830-40D	3000K	14.6	52.6	810	1320	Yes	87.5	3/16/12
		01-705-D/830-25D	3000K	14.6	61.6	810	2915	Yes	83.9	3/16/12
	GREEN CREATIVE LTD	01-705-D/827-40D	2700 K	14.6	52.5	720	1190	Yes	83.8	5/8/2012
	Illuminer	LP30D-NF-SW	4200 K	9.9	48.3	500	NA	Yes	80.5	10/11/11
	Light Emission Technology	E920DC0112W340	3000K	11.8	52.7	600	2.003	Yes	80.3	10/26/11
		E920-3000K-80D	3000K	13.5	45.6	600	1.847	Yes	82.5	2/8/12
	Light Emitting Designs	LED-1694	2700 K	10.3	56.6	575	NA	Yes	85.4	10/3/11
	Lighting Science Group	DFN 30 W27 SP	2700 K	15.1	47.0	710	5203	Yes	84.9	6/1/11
		DFN 30 NW V2 NFL120	4000 K	17.4	63.7	1000	3700	Yes	85.9	12/2/11
	Litetronics	LP10564FL4	3000K	9.3	59.4	(blank)	(blank)	(blank)	82.2	8/8/11
		LP10564FL4D	3000K	10.9	53.1	(blank)	(blank)	(blank)	82.2	8/8/11
		LP10562FL4D	3000K	10.2	55.3	(blank)	(blank)	(blank)	82.2	7/29/11
		P10564FL4	3000K	9.3	59.4	(blank)	(blank)	(blank)	82.2	7/29/11
		LP10562SP4	3000K	9.7	57.2	500	5143	(blank)	81.7	7/20/11
		LP10562SP4D	3000K	10.3	55.3	500	4842	(blank)	81.5	7/20/11
		LP10564SP4	3000K	9.9	48.3	500	4407	(blank)	81.7	7/20/11
		LP10564SP4D	3000K	10.6	53.9	500	4853	(blank)	82.6	7/20/11
	MaxLite	SKR3012DLED	3000K	11.6	59.5	730	1074	Yes	81.1	4/16/12
	MSI	iPAR30S27221N	2700 K	12.0	53.0	635	4300	Yes	80.9	7/20/11
		iPAR30S30101N	3000K	12.0	54.8	650	1700	Yes	82.3	7/20/11
		IPAR30S27161N	2700 K	11.9	52.3	(blank)	(blank)	(blank)	82.1	8/1/11
	Philips	12PAR30SENDS10 3000 DIM	3000K	12.4	52.4	(blank)	(blank)	(blank)	81.6	8/25/11
		12PAR30LENDS15 3000	3000K	11.8	62.0	(blank)	(blank)	(blank)	83.5	8/25/11
		11PAR30S/END/F25 2700	2700 K	9.7	47.2	400	1800	Yes	82.0	10/10/11
		13BR30END/F60 3000 DIM	3000K	12.7	49.9	650	520	Yes	80.7	10/20/11
		12PAR30LENDS15 2700 DIM	2700 K	11.9	56.4	(blank)	(blank)	(blank)	85.6	8/25/11
	Satco	14W PAR30/LN/LED 40 DEGREE 3500K 120V	3500 K	14.9	48.6	660	1054	Yes	85.9	5/16/11
		14W PAR30/LN/LED 60 DEGREE 2700K 120V	2700 K	14.7	49.4	655	586	Yes	83.8	5/17/11
		14W PAR30/LN/LED 40 DEGREE 5000K 120V	5000 K	14.5	50.6	710	1054	Yes	87.2	5/18/11
		14W PAR30/LN/LED 60 DEGREE 3500K 120V	3500 K	14.9	51.9	700	586	Yes	84.9	5/22/11
		7W PAR30/LN/LED 40 DEGREE 2700K 120V	2700 K	7.3	52.4	345	760	(blank)	84.1	5/23/11
		14W PAR30/LN/LED 60 DEGREE 5000K 120V	5000 K	14.6	52.4	720	586	No	85.3	5/24/11
		7W PAR30/LN/LED 60 DEGREE 2700K 120V	2700 K	7.2	54.4	355	425	(blank)	83.8	5/28/11
		7W PAR30/LN/LED 40 DEGREE 3500K 120V	3500 K	6.9	56.6	360	760	(blank)	85.8	6/1/11
		7W PAR30/LN/LED 40 DEGREE 5000K 120V	5000 K	7.1	56.7	390	760	No	85.0	6/2/11
		7W PAR30/LN/LED 60 DEGREE 3500K 120V	3500 K	7.3	59.4	390	425	Yes	85.7	6/7/11
		7W PAR30/LN/LED 60 DEGREE 5000K 120V	5000 K	7.2	59.5	400	425	Yes	84.9	6/8/11
	SMC LED	BB-PAR302627U-C1	2700 K	12.8	70.4	900	NA	Yes	80.0	5/3/2012

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Lamp Type	Manufacturer	Model Number	CCT	Input Wattage	Efficacy LPW	Rated Lumens	Rated CBCP	Dimmable	CRI	Post Date	
PAR30	Solais	LR30/25/30K/16W/1000	3000K	16.0	62.7	1000	5100	Yes	81.6	2/8/12	
		LR30/40/30K/14W/800	3000K	13.6	66.2	800	1600	Yes	85.6	2/8/12	
		LR30/25/30K/14W/800	3000K	14.1	67.9	800	4050	Yes	84.8	2/8/12	
		LR30LN/25/30K/16W/925/GY	3000K	16.0	60.5	925	4700	Yes	85.9	1/26/12	
		LR30LN/40/30K/16W/925/GY	3000K	16.0	56.4	925	1850	Yes	85.0	1/26/12	
	Sylvania	LED15PAR30LN/DIM/827/FL40	2700 K	15.5	48.9	770	1420	Yes	85.3	9/1/11	
		LED15PAR30LN/DIM/827/NFL25	2700 K	15.1	49.2	700	2910	Yes	83.0	10/21/11	
		LED15PAR30LN/DIM/830/FL40	3000K	14.8	48.7	770	1300	Yes	88.9	9/1/11	
		LED15PAR30LN/DIM/830/NFL25	3000K	14.7	50.5	770	2900	Yes	88.7	9/1/11	
		LED10PAR30/DIM/SG/827/WSP15	2700 K	10.1	56.8	(blank)	(blank)	(blank)	88.6	8/24/11	
		LED17PAR30LN/DIM/P/930/NFL25	3000K	16.8	57.8	(blank)	(blank)	(blank)	93.3	8/24/11	
		LED15PAR30/DIM/P/930/FL40	3000K	15.3	57.8	(blank)	(blank)	(blank)	93.4	8/24/11	
		LED18PAR30LN/DIM/830/FL40	3000K	17.8	56.8	1500	1500	Yes	83.5	9/29/11	
		LED18PAR30LN/DIM/830/NFL25	3000K	17.5	57.9	950	3810	Yes	84.5	9/29/11	
		LED10PAR30/DIM/SG/827/NFL25	2700 K	10.1	56.3	510	2300	Yes	88.6	10/3/11	
		LED10PAR30/DIM/SG/830/WSP15	3000K	10.8	46.9	550	5400	Yes	88.2	10/19/11	
		LED10PAR30/DIM/SG/830/NFL25	3000K	10.1	59.1	550	2500	Yes	88.8	10/19/11	
		LED10PAR30/DIM/SG/830/SP10	3000K	10.8	47.4	510	11000	Yes	89.3	10/11/11	
		LED10PAR30/DIM/SG/827/SP10	2700 K	10.3	54.6	510	11000	Yes	87.8	10/24/11	
		TCP	LED14E26P3030KFL	3000K	14.2	65.3	850	1400	Yes	83.0	7/29/11
	LED14E26P3030KNFL		3000K	13.8	67.9	(blank)	(blank)	(blank)	83.0	7/29/11	
	LED14E26P3027KNFL		2700 K	14.1	60.3	850	3500	Yes	82.0	11/9/11	
	LED14E26P3027KFL		2700 K	14.1	61.3	850	1300	Yes	82.0	11/28/11	
	LED11E26BR3027K		2700 K	11.7	60.8	650	NA	Yes	82.0	1/26/12	
	LED11E26BR3041K		4100 K	11.6	65.5	700	NA	Yes	87.0	1/26/12	
	LED14E26BR3027K		2700 K	14.1	63.2	850	NA	Yes	82.0	1/31/12	
	LED12E26P30S27KFL		2700 K	12.0	64.4	650	1915	Yes	81.0	4/17/12	
	LED12E26P30S30KFL		3000K	12.1	66.4	650	1982	Yes	83.0	4/17/12	
	LED12E26P30S30KNFL		3000K	12.0	65.9	650	2868	Yes	82.0	4/12/12	
	LED12E26P30S27KNFL		2700 K	11.9	63.4	650	2647	Yes	82.0	4/12/12	
	Toshiba		16P30L/830SP10	3000K	14.9	47.0	730	NA	No	83.1	6/21/11
		16P30S/840SP10	4000 K	14.9	47.6	740	NA	No	85.1	6/21/11	
		16P30L/840SP10	4000 K	15.0	46.7	740	NA	No	85.1	6/21/11	
	Zenaro Lighting		SL-PAR30/B/P11/30/E30/ND/26/UNI/US	3000K	11.1	48.5	485	880	No	82.1	5/8/2012

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Lamp Type	Manufacturer	Model Number	CCT	Input Wattage	Efficacy LPW	Rated Lumens	Rated CBCP	Dimmable	CRI	Post Date
PAR38	Aledra	PAR38-S-D-30-30K	3000K	15.6	58.6	910	NA	Yes	81.6	1/23/12
		PAR38-S-D-30-40K	4000 K	15.4	64.7	995	NA	Yes	80.9	12/30/11
	Eco-story	ECOX-PAR-38-DIM-19-WW-25	2700 K	17.3	53.7	840	2704	Yes	84.2	7/29/11
	ETI	520244 16W PAR38	3000K	14.3	51.8	800	NA	Yes	83.8	4/3/2012
	Evluma	Clearlight Beacon-50-4K-ME-S-V	4000 K	46.0	58.9	NA	(blank)	No	83.0	1/11/12
		OmniPAR-50-4K-ME-S-V	3700-4200K	46.0	58.9	NA	(blank)	No	83.0	12/30/11
		OmniPAR-50-4K-GU-L-V	3700-4200 K	46.0	58.9	2715	NA	Yes	83.0	12/15/11
		OmniPAR-50-4K-GU-S-V	3700-4200 K	46.0	58.9	NA	(blank)	No	83.0	12/15/11
	Green Creative	11PAR38/TIT/DIM/830/WF40	3000K	10.9	54.9	(blank)	(blank)	(blank)	80.0	8/2/11
		11PAR38/TIT/DIM/830/NF25	3000K	10.9	55.1	(blank)	(blank)	(blank)	80.0	8/2/11
		01-706-D/830-25D	3000K	19.5	65.5	1260	4250	Yes	82.2	3/16/12
		01-706-D/830-40D	3000K	19.2	65.6	1260	2350	Yes	81.5	3/16/12
	KolourOne/Satco	S8964 17 watt LED Par 38 40 degree	2700 K	17.4	48.9	780	990	Yes	83.7	4/9/12
	Light Emission Technology	E930DC0117W440B	3000K	16.1	49.3	820	2.54	Yes	83.6	9/20/11
	Light Emitting Designs	LED-1716	2700 K	12.8	57.3	750	NA	Yes	85.6	9/29/11
	Lighting Science Group	DFN 38 W27 SP	2700 K	18.1	47.0	850	6055	Yes	86.1	6/1/11
		DFN-38-WW-V2-NFL-120	3000K	24.4	52.9	1375	5200	Available	83.4	11/30/11
		DFN 38 NW V2 SP 120	4000 K	24.8	55.8	1375	9400	Yes	86.5	12/5/11
	Litetronics	LP10566FL4	3000K	9.5	62.0	500	3140	(blank)	82.5	7/20/11
		LP10566SP4	3000K	9.8	61.8	500	10795	Yes	82.7	7/20/11
		LP10566SP4D	3000K	1.0	61.0	500	10111	(blank)	82.5	7/20/11
		LP15566FL4D	3000K	14.6	54.9	800	3385	Yes	83.1	7/20/11
		LP15566SP4	3000K	15.0	56.9	800	9306	Yes	82.4	7/20/11
		LP15566SP4D	3000K	15.0	54.7	800	9214	Yes	82.4	7/20/11
	MSI	IPAR3827H31D	2700 K	15.6	54.4	850	2800	Yes	84.0	10/21/11
		IPAR3827161N	2700 K	12.2	49.5	600	6400	No	82.4	10/21/11
		IPAR3830161N	3000K	12.5	51.7	650	6700	No	82.0	1/31/12
	Philips	17PAR38/END/S10 3000 DIM	3000K	16.7	60.1	(blank)	(blank)	(blank)	82.6	8/25/11
		18PAR38/END/S15/3000-1200 DIM	3000K	18.2	68.0	1200	10000	Yes	81.9	12/5/11
		18PAR38/END/F25 3000-1200 DIM	3000K	18.1	70.4	1200	5070	Yes	82.2	12/5/11
		18PAR38/END/F25 3000 1050 OD	3000K	17.5	63.5	1050	4000	Yes	82.3	1/3/12
		16PAR38/END/F25 2700-730 DIM	2700 K	15.8	51.8	730	3100	Yes	90.2	3/2/12
	Satco	17W PAR38/LED 40 DEGREE 2700K 120V	2700 K	17.4	51.0	785	1608	Yes	84.4	5/19/11
		17W PAR38/LED 60 DEGREE 2700K 120V	2700 K	17.6	52.9	880	832	Yes	84.1	5/26/11
		17W PAR38/LED 40 DEGREE 3500K 120V	3500 K	18.3	53.2	875	1608	Yes	85.8	5/27/11
		17W PAR38/LED 40 DEGREE 5000K 120V	5000 K	17.4	55.8	900	1608	Yes	86.8	5/30/11
		10W PAR38/LED 40 DEGREE 2700K 120V	2700 K	10.4	56.0	530	1100	(blank)	85.0	5/31/11
		10W PAR38/LED 60 DEGREE 2700K 120V	2700 K	10.4	57.0	540	570	(blank)	83.7	6/3/11
		17W PAR38/LED 60 DEGREE 3500K 120V	3500 K	17.6	58.3	930	832	Yes	85.8	6/4/11
		17W PAR38/LED 60 DEGREE 5000K 120V	5000 K	17.4	58.6	980	832	Yes	86.7	6/5/11
		10W PAR38/LED 40 DEGREE 5000K 120V	5000 K	10.6	59.1	580	1100	(blank)	84.7	6/6/11
		10W PAR38/LED 40 DEGREE 3500K 120V	3500 K	10.5	59.5	565	1100	(blank)	86.6	6/9/11
10W PAR38/LED 60 DEGREE 3500K 120V		3500 K	10.6	60.4	580	570	(blank)	85.7	6/10/11	
10W PAR38/LED 60 DEGREE 5000K 120V		5000 K	10.4	61.6	600	570	(blank)	84.7	6/11/11	

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Lamp Type	Manufacturer	Model Number	CCT	Input Wattage	Efficacy LPW	Rated Lumens	Rated CBCP	Dimmable	CRI	Post Date
PAR38	SMC LED	BB-PAR382627U-B1	2700 K	17.2	66.5	1143	NA	Yes	80.3	4/17/12
	Solais	LR38/40/30K/18W/1025/GY	3000K	18.0	58.5	1025	2050	Yes	84.8	1/26/12
		LR38/25/30K/18W/1025/GY	3000K	18.0	59.6	1025	5225	Yes	85.5	1/26/12
	Sylvania	LED18PAR38/DIM/827/FL40	2700 K	18.0	48.0	860	1150	Yes	84.0	9/1/11
		LED18PAR38/DIM/827/NFL25	2700 K	17.9	48.2	860	3680	Yes	84.0	9/1/11
		LED18PAR38/DIM/830/FL40	3000K	18.5	50.0	900	1500	Yes	86.3	9/1/11
		LED18PAR38/DIM/830/NFL25	3000K	18.3	45.8	900	3100	Yes	86.8	9/1/11
		LED10PAR38/SG/830/WSP15	3000K	9.8	69.2	650	6750	Yes	81.2	7/20/11
		LED15PAR38/SG/830/WSP15	3000K	15.8	48.7	760	7500	Yes	89.2	7/20/11
		LED21PAR38/DIM/P/930/FL30	3000K	21.1	54.9	(blank)	(blank)	(blank)	93.4	8/24/11
		LED15PAR38/SG/827/SP10	2700 K	15.1	53.7	(blank)	(blank)	(blank)	87.7	9/20/11
		LED15PAR38/SG/830/WSP12	3000K	15.3	52.1	760	11000	No	88.8	9/29/11
		LED18PAR38/DIM/840/FL40	4000 K	17.9	51.3	920	1620	Yes	89.2	9/29/11
		LED15PAR38/SG/827/WSP15	2700 K	15.1	52.2	700	7000	No	87.8	9/29/11
		LED15PAR38/SG/830/SP10	3000K	14.9	52.4	760	16000	Yes	90.1	10/19/11
		LED24PAR38/DIM/830/FL40	3000K	23.7	53.0	1300	2020	Yes	83.4	10/24/11
		LED24PAR38/DIM/830/NFL25	3000K	24.9	48.8	1300	2020	Yes	83.1	10/26/11
		TCP	LED17E26P3830KNFL	3000K	17.4	63.7	1050	5500	Yes	83.0
	LED17E26P3830KFL		3000K	17.2	63.1	1050	2000	Yes	83.0	7/29/11
	LED17E26P3827KNFL		2700 K	17.1	60.6	1000	4500	Yes	82.0	11/28/11
	LED17E26P3827KFL		2700 K	17.0	58.8	1000	1800	Yes	82.0	11/28/11
	Toshiba	20P38/840SP10	4000 K	18.2	50.1	940	NA	Yes	85.7	6/21/11
		20P38/835SP10	3500 K	18.7	49.3	930	NA	Yes	83.4	6/21/11
		20P38/830SP10	3000K	18.4	48.7	920	NA	Yes	82.6	6/21/11
		20P38/827SP10	2700 K	18.3	45.8	900	NA	Yes	82.4	6/21/11