

Lighting Design Lab Qualified LED List -- Lamps and T8 Tubes



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Lamp Type	Manufacturer	Model Number	CCT	Input Wattage	Efficacy LPW	Rated Lumens	Rated CBCP	Dimmable	CRI	Post Date
A	ETi	529933	3000K	4.6	64.1	320	81	Yes	85.1	09/18/13
		520165	3000K	8.5	70.1	600	NA	No	80.0	09/09/13
		52013212	3000K	8.1	64.8	500	117	No	84.8	09/18/13
		52016301	3000K	8.5	70.1	600	138.5	No	80.0	09/18/13
	GE Lighting	LED11DA19V2 (89888)	2700 K	11.2	75.0	800	NA	Yes	81.6	11/13/13
		LED11DA19V2 (94159)	2700 K	11.2	75.0	800	NA	Yes	81.6	11/13/13
		LED11DA19V2 (89885)	2700 K	11.2	75.0	800	NA	Yes	81.6	11/13/13
		LED11DA19V2 (94670)	2700 K	11.2	75.0	800	NA	Yes	81.6	11/13/13
		LED11DA19V2 (94671)	2700 K	11.2	75.0	800	NA	Yes	81.6	11/13/13
		LED11DA19V2 (94403)	2700 K	11.2	75.0	800	NA	Yes	81.6	11/13/13
		LED11DA19V2 (89983)	2700 K	11.2	75.0	800	NA	Yes	81.6	11/13/13
		LED11DA19V2 (95840)	2700 K	11.2	75.0	800	NA	Yes	81.6	11/13/13
		LED7DA19V2 (94125)	2700 K	7.2	68.0	470	NA	Yes	80.3	11/13/13
		LED7DA19V2 (89984)	2700 K	7.2	68.0	470	NA	Yes	80.3	11/13/13
		LED7DA19V2 (94160)	2700 K	7.2	68.0	470	NA	Yes	80.3	11/13/13
		LED7DA19V2 (89887)	2700 K	7.2	68.0	470	NA	Yes	80.3	11/13/13
		LED7DA19V2 (89884)	2700 K	7.2	68.0	470	NA	Yes	80.3	11/13/13
		FAM18LED11DA19W (94003)	2700 K	11.2	75.0	800	NA	Yes	81.6	11/13/13
		FAM18LED11DA19V2 (94003)	2700 K	11.2	75.0	800	NA	Yes	81.6	11/13/13
		Green Creative	01-712-D/827	2700 K	11.8	71.7	800	NA	Yes	81.7
	Maxlite	SKBO07DLED27	2700 K	7.3	58.0	450	NA	Yes	80.9	09/04/13
		SKBO07DLED41	4100 K	7.4	65.1	475	NA	Yes	85.2	09/04/13
		SKBO07GUDLED27	2700 K	7.3	58.0	435	NA	Yes	80.9	09/04/13
		SKBO07GUDLED41	4100 K	7.4	65.1	460	NA	Yes	85.2	09/04/13
		SKBO10DLED27	2700 K	11.3	66.7	760	NA	Yes	84.2	09/04/13
		SKBO10DLED41	4100 K	11.6	83.5	825	NA	Yes	85.2	09/04/13
		SKBO10GUDLED27	2700 K	11.3	66.7	760	NA	Yes	84.2	09/04/13
		SKBO10GUDLED41	4100 K	11.6	83.5	825	NA	Yes	85.2	09/04/13
		SKBO15DLED27	2700 K	13.4	80.0	1065	NA	Yes	83.1	09/04/13
		SKBO15DLED30	3000K	14.8	74.5	1100	NA	Yes	84.2	09/04/13
		SKBO15GUDLED27	2700 K	13.4	80.0	1050	NA	Yes	83.1	09/04/13
		SKBO15GUDLED30	3000K	14.8	74.5	1100	NA	Yes	84.2	09/04/13
		SKBO15GUDLED41	4100 K	13.6	88.6	1130	NA	Yes	83.4	09/04/13

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Lamp Type	Manufacturer	Model Number	CCT	Input Wattage	Efficacy LPW	Rated Lumens	Rated CBCP	Dimmable	CRI	Post Date
A	Switch Bulb Company	100CU111	4000 K	19.9	87.3	1600	NA	Yes	82.6	07/02/13
		3WYFU111	2700 K	18.8	57.3	1100	NA	No	80.4	08/26/13
		40FU200	2700 K	5.4	90.2	450	NA	Yes	88.4	08/26/13
		100FU112	3000K	21.0	75.7	1600	NA	Yes	80.2	08/26/13
		60FU200	2700 K	10.5	83.8	800	NA	Yes	85.5	08/26/13
	TCP	LED7E26SA1930K	3000K	6.4	84.6	475	NA	No	83.0	11/18/13
		Viribright	73733	2700 K	5.1	75.7	400	NA	Yes	82.3
	73734		4000 K	5.0	81.3	440	NA	Yes	84.5	05/03/13
	73997		6000 K	7.0	95.0	600	NA	Yes	84.9	06/14/13
	73996		4000 K	7.0	89.3	600	NA	Yes	86.4	06/14/13
	73995		2800 K	7.0	73.4	500	NA	Yes	83.6	06/14/13
	Zenaro	RSL60D-9W-3000K-TD-OM	3000K	10.2	72.5	800	NA	Yes	85.2	03/28/13
		ZELA19-9-27-D-120-26-OM	2700 K	10.1	74.7	800	NA	Yes	84.0	03/28/13
	A19	3M Company	RRA19B4	4000 K	13.3	61.3	865	NA	Yes	83.3
RRA19A4			4000 K	9.5	59.1	450	NA	Yes	83.4	11/14/13
RRA19A3			3000K	8.7	53.6	450	NA	Yes	83.1	11/14/13
RCA19C4			4000 K	9.9	69.9	700	NA	Yes	82.0	11/14/13
RCA19B4			4000 K	12.0	66.6	800	NA	Yes	82.9	11/14/13
RCA19B3			3000K	12.4	62.9	800	NA	Yes	81.0	11/14/13
RCA19C3			3000K	10.1	68.5	700	NA	Yes	81.4	11/14/13
RRA19B3			3000K	13.4	59.1	850	NA	Yes	81.1	11/14/13
CMG Lighting		DL-A19B 30K-WH	3000K	8.4	51.5	430	NA	Yes	82.9	05/03/13
		DL-A19B 27K-WH	2700 K	8.4	50.6	440	NA	Yes	83.6	05/03/13
ESL Vision		ESL-A19-7W-D	2700 K	6.7	77.5	520	NA	Yes	80.3	04/09/13
GE Lighting		LED11DA19V/827W	2700 K	11.1	73.0	800	NA	Yes	80.9	07/15/13
		LED7DA19V/827W	2700 K	7.3	64.6	450	NA	Yes	81.3	07/15/13
		LED11DA19V-W/TP	2700 K	11.1	73.0	800	NA	Yes	80.9	07/15/13
		LED11DA19V-WCDN	2700 K	11.1	73.0	800	NA	Yes	80.9	07/15/13
		LED11DA19V-S/S8	2700 K	11.1	73.0	800	NA	Yes	80.9	07/15/13
		LED11DA19V-S/TP	2700 K	11.1	73.0	800	NA	Yes	80.9	07/15/13
		LED11DA19V-S/S3	2700 K	11.1	73.0	800	NA	Yes	80.9	07/15/13
		FAM128LED11A19-S	2700 K	11.1	73.0	800	NA	Yes	80.9	07/15/13
		LED11DA19V-W/KIT	2700 K	11.1	73.0	800	NA	Yes	80.9	07/15/13
		LED7DA19V-W/TP	2700 K	7.3	64.6	450	NA	Yes	81.3	07/15/13
LED7DA19V-WCDN	2700 K	7.3	64.6	450	NA	Yes	81.3	07/15/13		
LED7DA19V-S/S3	2700 K	7.3	64.6	450	NA	Yes	81.3	07/15/13		
LED7DA19V-S/TP	2700 K	7.3	64.6	450	NA	Yes	81.3	07/15/13		

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Lamp Type	Manufacturer	Model Number	CCT	Input Wattage	Efficacy LPW	Rated Lumens	Rated CBCP	Dimmable	CRI	Post Date
A19	Green Creative	9.5A19G3DIM/840WB	4000 K	9.4	99.4	850	NA	Yes	86.0	09/16/13
		6A19G3DIM/840WB	4000 K	5.9	92.2	550	NA	Yes	85.8	09/16/13
		6A19G3DIM827WB	2700 K	5.8	81.6	480	NA	Yes	81.7	10/23/13
		02-508-840	4000 K	6.7	87.2	530	NA	No	82.8	10/22/13
		9.5A19G3DIM827WB	2700 K	9.4	88.6	800	NA	Yes	82.0	10/22/13
		6A19G3DIM830WB	3000K	5.8	88.1	500	NA	Yes	82.6	10/22/13
		9.5A19G3DIM830WB	3000K	9.3	93.2	820	NA	Yes	82.5	10/22/13
	Green Illuminating Systems	FP-9A1928	2924 K	9.4	77.0	727	NA	No	81.0	02/11/14
	Halco	A19FR6827GU24LED	2700 K	5.8	69.3	450	NA	Yes	82.0	09/04/13
		A19FR6/830/LED	3000K	5.8	73.5	470	NA	Yes	80.6	11/20/13
		A19FR6/827/LED	2700 K	5.8	72.4	450	NA	Yes	80.6	11/20/13
	Litetronics	LD05516FR4D	3000K	5.0	66.4	325	NA	Yes	82.3	05/07/13
		LM11518FR2D	2700 K	12.7	69.3	800	NA	Yes	81.2	02/04/14
		LD07518WH2D	2700 K	6.7	83.2	500	NA	Yes	82.2	02/04/14
		LD07518WH6D	4000 K	6.4	85.9	525	NA	Yes	84.9	02/04/14
		LD07518WH7D	5000 K	6.6	81.4	550	NA	Yes	86.2	02/04/14
	Overdrive Electronics	L10A19DIM/50K	5200 K	9.8	91.6	900	256	Yes	87.5	06/04/13
		L6A19DIM/40K	4000 K	5.8	86.0	490	135	Yes	86.5	08/08/13
		L10NA19DIM/50K	5000 K	9.6	100.5	950	192	Yes	86.7	10/17/13
		L10NA19DIM/30K	3000K	9.9	91.7	860	180	Yes	82.7	10/17/13
		L6A19DIM/30K	3000K	6.3	78.7	480	130	Yes	83.4	10/17/13
		L6A19DIM/50K	5000 K	6.4	84.4	530	145	Yes	85.3	10/17/13
	POSCO	PBLAE116N3C1B	5284 K	11.0	83.6	878.41	NA	Yes	80.0	12/10/13
		PBLAE116W2C1B	3000K	11.0	81.9	859	NA	Yes	80.0	12/10/13
	Sylvania	LED14A19/O/827	2700 K	15.4	74.2	1100	NA	Yes	80.6	04/25/13
		LED8A15/DIM/827	2700 K	8.9	51.7	450	NA	Yes	81.0	05/28/13
		LED8A15C/DIM/827	2700 K	7.9	53.6	450	NA	Yes	83.0	05/28/13
		LED14A19DIMO827	2700 K	15.4	71.9	1100	NA	Yes	80.5	06/04/13
		LED10A19/F/827	2700 K	10.1	89.0	800	NA	No	82.0	07/15/13
		LED10A19/F/850	5000 K	10.0	97.3	800	NA	No	86.0	07/15/13
		LED6A19/F/850	5000 K	6.3	92.1	450	NA	No	85.0	07/15/13
		LED6A19/F/827	2700 K	6.4	82.7	450	NA	No	82.0	07/15/13
		LED8A19DIMOF827	2700 K	7.9	73.5	450	NA	Yes	81.0	06/04/13
		LED14A19/DIM/827	2700 K	14.0	79.3	1100	NA	Yes	81.0	02/04/14
		LED20A21DIMO827	2700 K	19.3	81.8	1600	NA	Yes	81.0	02/04/14

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Lamp Type	Manufacturer	Model Number	CCT	Input Wattage	Efficacy LPW	Rated Lumens	Rated CBCP	Dimmable	CRI	Post Date	
A19	TCP	LED7E26SA1927K	2700 K	6.4	86.2	450	NA	No	82.0	06/19/13	
		LED11E26S1927K	2700 K	10.4	77.8	800	NA	No	83.0	06/26/13	
		LED11E26S1930K	3000K	10.2	98.7	825	NA	No	82.0	06/26/13	
		LED7A19D30K	3000K	6.5	82.7	475	NA	Yes	83.0	12/06/13	
		LED11A19D30K	3000K	6.5	82.7	850	NA	Yes	83.0	12/06/13	
		LED7A1927k	2700 K	6.9	72.1	450	NA	Yes	82.4	01/22/14	
		LED10A1927k	2700 K	9.9	84.8	800	NA	No	82.7	01/22/14	
		LED10A19D27k	2700 K	10.0	85.8	800	NA	Yes	82.7	01/22/14	
	LED7A19D27k	2700 K	6.5	81.7	450	NA	Yes	82.5	01/22/14		
	Toshiba	10A19/27JZ-T	2700 K	9.8	79.4	800	NA	No	82.9	09/24/13	
		14A19/30J-T	3000K	13.8	58.1	830	NA	No	83.9	09/24/13	
		14A19/40J-T	4000 K	13.5	61.7	830	NA	No	82.7	09/24/13	
		10A19/40JZ-T	4000 K	9.8	87.6	900	NA	No	82.0	09/24/13	
B11	Halco Lighting Technologies	B11/CL3/827/LED	2700 K	3.4	61.7	180	NA	Yes	80.0	12/18/13	
	TCP	LED5E12B1127KF	2700 K	5.0	62.9	300	NA	No	82.0	06/26/13	
		LED5E26B1127K	2700 K	5.0	72.8	300	NA	No	82.0	06/26/13	
		LED4E12B1127K	2700 K	3.8	58.1	200	NA	Yes	82.0	07/25/13	
		LED5E12B1127K	2700 K	5.1	65.1	300	NA	No	82.0	06/26/13	
B13	Sylvania	LED6B13/BLUNT/DIM/827	2700 K	5.8	60.4	350	NA	Yes	82.0	05/28/13	
BR/R 20	Green Creative	02-504-D-827	2700 K	8.0	64.5	500	NA	Yes	80.6	09/04/13	
		7.5R20G3DIM/827	2700 K	7.6	67.5	500	NA	Yes	82.1	09/16/13	
		7.5R20G3DIM/824	2400 K	7.5	55.6	420	NA	Yes	85.6	09/16/13	
	Philips	8R20/END/F25 2700 DIM 6/1	2700 K	8.3	62.5	530	NA	Yes	79.6	04/19/13	
		TCP	LED8R20D30K	3000K	8.0	77.8	515	NA	Yes	83.0	09/26/13
			LED10R2027K	2700 K	9.7	72.3	650	NA	Yes	83.0	09/26/13
BR/R 30	3M Company	RRBR30B3	3000K	12.4	69.5	820	NA	Yes	84.0	06/14/13	
		RCBR30B3	3000K	12.4	69.5	820	NA	Yes	84.0	06/14/13	
		RRBR30B27	2700 K	12.4	68.0	740	NA	Yes	82.6	06/14/13	
		RCBR30B27	2700 K	12.4	68.0	740	NA	Yes	82.6	06/14/13	

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BR/R 30	GE Lighting	LED10DR30V/827W	2700 K	10.1	70.6	70	NA	Yes	81.3	07/15/13
		LED10DR30V-W/KIT	2700 K	10.1	70.6	70	NA	Yes	81.3	07/15/13
		LED10DR30V-W/TP	2700 K	10.1	70.6	70	NA	Yes	81.3	07/15/13
		LED10DR30V-W/CDN	2700 K	10.1	70.6	70	NA	Yes	81.3	07/15/13
		LED10DDR30V-S/TP	2700 K	10.1	70.6	70	NA	Yes	81.3	07/15/13
		LED10DR30V-S/S5	2700 K	10.1	70.6	70	NA	Yes	81.3	07/15/13
		LED10DR30V-S/S	2700 K	10.1	70.6	70	NA	Yes	81.3	07/15/13
		LED10DDR30V/830W	2700 K	10.1	70.6	70	NA	Yes	81.3	07/15/13
	FAM80LED10R30-S	2700 K	10.1	70.6	70	NA	Yes	81.3	07/15/13	
	Green Creative	02-505-D-827	2700 K	12.0	66.5	750	NA	Yes	82.7	09/04/13
		02-506-D-827	2700 K	16.2	69.8	1000	NA	Yes	81.5	09/04/13
		10BR30G3DIM/830	3000K	9.9	80.2	730	NA	Yes	83.3	09/13/13
		10BR30G3DIM/827	2700 K	9.9	74.1	705	NA	Yes	84.0	09/13/13
		10BR30G3DIM/824	2400 K	10.0	65.5	640	NA	Yes	85.5	09/13/13
		10BR30G3DIM840	4000 K	9.9	82.6	775	NA	Yes	83.7	10/22/13
	Halco	BR30FL11/840/LED	4000 K	11.2	71.6	780	NA	Yes	82.0	09/09/13
		BR30FL11/850/LED	5000 K	10.7	73.7	810	NA	Yes	82.0	09/09/13
	MSI	XBR3027FL1D	2700 K	12.4	68.0	740	NA	Yes	82.6	06/14/13
		XBR3030FL1D	3000K	12.4	69.5	820	NA	Yes	84.0	06/14/13
	Maxlite	SKBR4013DLED27	2700 K	14.3	68.0	900	NA	Yes	81.3	09/04/13
		SKBR3010DLED27	2700 K	11.2	65.0	710	NA	Yes	82.8	09/04/13
		SKBR3010DLED41	4100 K	11.1	70.8	775	NA	Yes	83.7	09/04/13
	Philips	9.5BR30/COREPRO/F90 2700 AF 6/1	2700 K	9.4	73.9	650	NA	No	82.2	04/22/13
	Sylvania	LED12BR30/DIM/HO/827	2700 K	12.3	68.7	850	NA	Yes	81.0	05/28/13
		LED16BR40/DIM/825	2700 K	16.9	65.7	1000	NA	Yes	82.0	05/28/13
	TCP	LED14E26BR3041K	4100 K	14.2	63.3	900	NA	Yes	86.0	04/05/13
		RLBR3012W27KD	2700 K	11.4	74.5	650	NA	Yes	83.0	08/21/13
		LED10BR3030K	3000K	9.3	77.0	675	NA	Yes	83.0	09/26/13
		LED12BR3030K	3000K	11.5	78.6	875	NA	No	83.0	11/18/13
		LED12BR30D30K	3000K	11.8	83.0	875	NA	Yes	83.0	11/18/13
	Toshiba	11BR30/27 J-T	2686 K	11.5	69.0	820	NA	Yes	81.2	07/24/13
		11BR30/40K-T	4000 K	11.8	76.4	920	NA	Yes	81.7	08/27/13
	BR/R 40	Green Creative	10BR40G3DIM/824	2400 K	10.0	70.3	640	NA	Yes	84.8
Green Creative		17BR40G3DIM830	3000K	16.9	74.9	1200	NA	Yes	83.7	10/22/13
		10BR40G3DIM827	2700 K	9.9	72.5	705	NA	Yes	82.3	10/22/13
Halco		BR40FL18/850/LED	5000 K	18.6	74.8	1320	NA	Yes	86.2	10/15/13
		BR40FL18/827/LED	2700 K	17.4	72.3	1200	NA	Yes	84.6	10/15/13
		BR40FL13/850/LED	5000 K	13.5	71.2	950	NA	Yes	84.9	10/15/13
TCP		RLBR4014W27KND	2700 K	13.1	74.2	850	NA	Yes	83.0	08/21/13
		RLBR4014W27KD	2700 K	13.3	69.3	850	NA	Yes	83.0	08/21/13
		LED12BR4030K	3000K	11.6	75.3	875	NA	Yes	83.0	09/26/13
		LED17BR4027K	2700 K	16.5	71.3	1200	NA	Yes	82.0	09/26/13
		LED17BR4030K	3000K	16.4	69.8	1250	NA	Yes	84.0	11/18/13

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Lamp Type	Manufacturer	Model Number	CCT	Input Wattage	Efficacy LPW	Rated Lumens	Rated CBCP	Dimmable	CRI	Post Date
BR/R 40	Toshiba	13BR40/27K-T	2700 K	13.0	69.7	950	NA	Yes	81.8	08/27/13
		13BR40/40L-T	3906 K	12.8	77.5	1050	NA	Yes	82.2	08/27/13
Candelabra	ESL Vision	ESL-CNDL-5W	2700 K	4.7	43.9	205	NA	Yes	86.9	03/28/13
	Satco	S8981	3000K	4.9	68.0	310	NA	Yes	82.9	12/18/13
	TCP	RLDCG165W27KF2	2700 K	5.0	71.8	300	NA	Yes	83.0	08/15/13
		RLDT5W27K2	2700 K	5.0	72.8	300	NA	Yes	82.0	08/15/13
		RLDCT5W27K2	2700 K	5.1	65.1	300	NA	Yes	82.0	08/15/13
		RLDCT5W27KF2	2700 K	5.0	71.0	300	NA	Yes	84.0	08/16/13
		RLDCT4W27K2	2700 K	3.8	58.1	200	NA	Yes	82.0	08/16/13
		RLDT4W27K2	2700 K	3.8	61.8	200	NA	Yes	83.0	08/21/13
		RLDCT4W27KF2	2700 K	3.9	70.9	200	NA	Yes	82.0	08/21/13
RLDT4W27KF2	2700 K	3.9	68.6	200	NA	Yes	83.0	08/21/13		
Candle	Green Creative	5B11G3DIM/824WB	2400 K	5.0	54.1	275	NA	Yes	84.5	02/25/14
	Litetronics	LD0527CL2D	2700 K	5.0	61.4	300	NA	Yes	81.7	05/01/13
		LD0527FR2D	2700 K	5.2	65.3	325	NA	Yes	80.9	05/07/13
		LD0528CL2D	2700 K	5.1	62.7	300	NA	Yes	81.4	05/07/13
		LD0528FR4D	3000K	5.1	69.7	325	NA	Yes	81.7	05/07/13
		LD0528FR2D	2700 K	5.1	73.6	325	NA	Yes	81.1	05/07/13
		LD0528CL4D	3000K	5.0	67.2	300	NA	Yes	81.6	05/07/13
	Overdrive Electronics	L3CDDIM/E12/27K	2700 K	3.1	53.2	160	NA	Yes	82.0	09/09/13
		L5CDDIM/E12/27K	2700 K	4.9	62.6	300	NA	Yes	82.3	09/09/13
Satco	S8982	3000K	4.9	68.0	310	NA	Yes	82.9	12/18/13	
CFL Retrofit	ESL Vision	ESL-PL-7W	4000 K	7.0	97.0	700	NA	No	86.0	01/22/14
		ESL-PL-9W	4000 K	9.0	98.0	900	NA	No	86.0	01/22/14
		ESL-PL-11W	4000 K	11.0	96.0	1050	NA	No	86.0	01/22/14
	Light Efficient Design	LED-7304-42K	4200 K	10.1	91.8	925	NA	No	88.2	01/03/14
		LED-7302-42K	4200 K	10.0	91.1	925	NA	No	87.9	01/03/14
	Lunera	HN-H-26W-3000-G1	3000K	14.6	70.5	900	NA	No	83.5	08/14/13
		HN-V-26W-3000-G1	3000K	14.7	81.9	900	NA	No	83.3	08/14/13
	Z Energy Solutions	ZE-LED-PL-7NW	4300 K	6.2	111.7	700	NA	No	85.4	12/19/13
		ZE-LED-PL-7WW	2700 K	6.4	78.8	500	NA	No	80.8	12/19/13
		ZE-LED-PL-9NW	4350 K	8.2	112.9	900	NA	No	85.4	12/19/13
ZE-LED-PL-9WW	2700 K	8.1	80.7	650	NA	No	80.7	12/19/13		
Flame	TCP	RLDF5W27KF2	2700 K	5.0	63.7	300	NA	Yes	82.0	08/15/13
		RLDF5W27K2	2700 K	5.0	72.0	300	NA	Yes	82.0	08/15/13
		RLDCF5W27K2	2700 K	5.1	69.6	300	NA	Yes	83.0	08/14/13
		RLDCF4W27K2	2700 K	3.8	62.7	300	NA	Yes	83.0	08/16/13
		RLDF4W27K2	2700 K	3.9	63.2	200	NA	Yes	83.0	08/16/13
		RLDCF4W27KF2	2700 K	3.8	59.6	200	NA	Yes	83.0	08/21/13

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Lamp Type	Manufacturer	Model Number	CCT	Input Wattage	Efficacy LPW	Rated Lumens	Rated CBCP	Dimmable	CRI	Post Date
Four-foot Linear Replacement	Altruen	ALT8B-12S-6E	6500 K	17.6	114.7	1890	NA	No	85.6	10/31/12
	DiVi Energy, LLC	HEX-T820-120-3A	5000 K	18.4	96.3	1700	NA	No	82.8	04/25/13
	Ecosafe Lighting	NLD-TZ-22W	5000 K	22.4	107.8	2400	NA	No	81.8	04/19/13
	ETi	54104431	3500 K	17.6	92.7	1600	474	No	85.3	09/18/13
		54104441	4000 K	17.0	109.7	1850	NA	No	84.2	10/15/13
	Green Creative	18T8/4F/840DLC	4000 K	17.9	116.3	1800	NA	No	82.2	09/16/13
		18T8/4F/840	4000 K	18.6	100.8	1800	NA	No	83.9	09/16/13
		18T8/4F/850	5000 K	18.5	104.3	1800	NA	No	81.1	01/22/14
		9T82F840	4000 K	9.0	100.7	900	NA	No	82.3	02/25/14
	Lampein Laboratories	01-LLXW-YVZ	6200 K	69.4	75.7	5253	NA	No	81.0	04/25/13
	LED Lighting Services	LLI-T8-4-5000-C	5000 K	17.6	95.6	1680	NA	No	80.2	07/15/13
	Light Efficient Design	LED-6252-4-4-N-DL	6000 K	66.2	95.6	6800	NA	No	82.0	10/31/12
		LED-6115-00-UL-4-CW-N	4000 K	17.0	104.4	1750	NA	No	81.2	05/10/13
	Luma Vue Inc.	LVT-48-W22-4100K	4100 K	22.5	102.8	2400	NA	No	84.0	07/25/13
Titan	1722 SMD-SE-US Day White	6000 K	16.8	110.4	1850	NA	No	78.8	05/07/13	
Zenaro	RSLT81-4FT-15W-5000K-ND-IDS-CL	5028 K	14.2	95.8	1420	NA	No	81.5	06/20/13	
Four-foot Linear Replacement (uses existing ballast, No Re-Wiring)	Philips	9290002842	5000 K	16.5	96.2	1650	NA	No	81.9	01/08/14
		9290002840	3000K	34.4	87.5	1500	NA	No	81.6	01/22/14
		9290002862	3500 K	17.4	88.6	1500	NA	No	81.3	03/17/14
		9290002841	4000 K	17.4	92.3	1600	NA	No	81.5	03/17/14
Globe	ETi	52029111	3000K	4.3	50.7	210	79	No	83.5	10/15/13
		52997611	3000K	3.8	54.9	200	30.3	No	81.2	10/15/13
		52028211	3100 K	4.6	78.0	350	67	No	82.5	10/15/13
	Litetronics	LD07536FR2D	2700 K	7.4	67.2	525	NA	Yes	81.6	05/16/13
		LD10536FR2D	2700 K	10.2	81.2	800	NA	Yes	82.3	05/16/13
		LD10536FR7D	5000 K	10.3	88.7	850	NA	Yes	84.0	02/26/14
	Ningbo Baishi Electric	Polaroid PLG25-40.500.7.1D	3000K	6.6	83.0	500	142	Yes	81.5	02/14/14
		RLDCF5W27KF	2700 K	5.1	63.3	300	NA	Yes	83.0	08/15/13
		RLDG165W27KF2	2700 K	5.1	68.3	300	NA	Yes	83.0	08/15/13
		RLDG165W27K2	2700 K	5.0	73.8	300	NA	Yes	83.0	08/14/13
		RLDCG165W27K2	2700 K	5.0	69.2	300	NA	Yes	83.0	08/14/13
		RLG255W27K	2700 K	5.0	67.3	300	NA	Yes	82.0	08/14/13
		RLG255W27K2	2700 K	5.0	67.3	300	NA	Yes	82.0	08/14/13
RLG255W27KND	2700 K	4.5	72.9	300	NA	Yes	82.0	08/14/13		

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Lamp Type	Manufacturer	Model Number	CCT	Input Wattage	Efficacy LPW	Rated Lumens	Rated CBCP	Dimmable	CRI	Post Date
Globe	TCP	RLG255W27K2ND	2700 K	4.5	72.9	300	NA	Yes	82.0	08/14/13
		RLDCG164W27K2	2700 K	3.9	64.4	300	NA	Yes	82.0	08/16/13
		RLDCG164W27KF2	2700 K	3.9	69.8	200	NA	Yes	83.0	08/21/13
		RLDG164W27KF2	2700 K	3.9	67.6	200	NA	Yes	83.0	08/21/13
		LED4E12G1627K	2700 K	3.8	60.9	200	NA	Yes	83.0	09/26/13
MR16	ETi	53201112	2700 K	6.4	56.0	360	1475	Yes	82.1	09/18/13
		53202113	2700 K	6.6	52.4	360	612	No	80.8	10/15/13
	Green Creative	01-715-D/827-38D	2700 K	5.8	56.3	330	620	Yes	80.8	04/22/13
		01-715-D/830-38D	3000K	5.8	62.0	350	680	Yes	82.1	04/22/13
		01-715-D/840-38D	4000 K	6.1	62.5	365	700	Yes	81.9	04/22/13
		01-716-D/827-38D	2700 K	6.7	51.3	330	650	Yes	81.5	04/22/13
		01-703-D-840-36D	4000 K	6.8	54.7	385	950	Yes	83.7	04/22/13
		01-721-D/927-25D	2700 K	7.1	62.4	420	1955	Yes	95.0	07/30/13
	Litetronics	LP06A56FL4D	3000K	6.4	80.7	430	800	Yes	82.4	03/11/14
		LP06A56FL2D	2700 K	6.3	76.4	430	800	Yes	82.2	03/11/14
	Overdrive Electronics	L5MR16/BG/NFL/30K	3000K	4.3	62.5	270	1025	No	84.3	11/26/12
		L5MR16/SW/NFL/30K	3000K	4.2	52.8	225	440	No	83.1	11/26/12
		L5MRGUDIM/FL/30K	3000K	5.5	71.5	380	750	Yes	81.6	12/06/13
		L7MRGUDIM/FL/30K	3000K	7.2	74.4	520	1050	Yes	82.6	12/06/13
	Philips	7MR16/END/F36 2700	2700 K	7.3	48.1	335	820	Yes	85.1	10/31/12
		7MR16/END/F36 2700 DIM10/1	2700 K	7.3	48.1	335	820	Yes	85.1	10/14/13
		423591	2700 K	7.4	50.0	370	1950	Yes	82.0	02/26/14
		423635	2700 K	7.4	50.6	370	1050	Yes	81.5	02/26/14
	Satco	S9008	3000K	6.3	61.8	220	750	Yes	83.6	09/25/13
	Sora	MR16-AA1-A1-830-095-25-S1	3000K	9.5	40.4	382	2020	Yes	82.9	04/25/13
		MR16-40-B01-12-830-14	3000K	10.1	44.6	3000	4250	Yes	81.2	04/25/13
		MR16-30-B01-12-830-14	3000K	8.9	47.0	3000	4250	Yes	81.5	04/25/13
		MR16-65-B01-12-930-36	3000K	11.6	46.0	460	1250	Yes	97.7	06/18/13
		MR16-65-B01-12-930-25	3000K	11.6	46.9	460	2750	Yes	97.7	06/18/13
		MR16-65-B01-12-930-20	3000K	11.6	46.8	460	2975	Yes	97.7	06/18/13
		MR16-65-B01-12-927-36	2700 K	11.7	41.6	430	1200	Yes	96.4	06/18/13
		MR16-65-B01-12-927-25	2700 K	11.8	42.2	430	2540	Yes	96.4	06/18/13
		MR16-65-B01-12-927-20	2700 K	11.8	42.4	430	2800	Yes	96.4	06/18/13
		MR16-50-B01-12-930-36-2	3000K	10.1	42.6	420	2650	Yes	95.3	06/18/13
		MR16-50-B01-12-930-25-2	3000K	10.1	43.5	420	2400	Yes	95.3	06/18/13
		MR16-65-B01-12-930-20-2	3000K	10.1	43.3	420	2650	Yes	95.3	06/18/13
		MR16-50-B01-12-927-36-2	2700 K	9.9	45.4	400	1075	Yes	95.7	06/18/13
		MR16-50-B01-12-927-25-2	2700 K	9.9	46.6	400	2320	Yes	95.7	06/14/13
MR16-50-B01-12-927-20-2		2700 K	9.9	46.3	400	2550	Yes	95.8	06/14/13	

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Lamp Type	Manufacturer	Model Number	CCT	Input Wattage	Efficacy LPW	Rated Lumens	Rated CBCP	Dimmable	CRI	Post Date	
MR16	Soraa	MR16-75-B01-12-827-20	2700 K	11.5	52.3	590	3700	Yes	81.5	06/27/13	
		MR16-75-B01-12-827-25	2700 K	11.5	52.5	590	3360	Yes	81.4	06/27/13	
		MR16-75-B01-12-827-36	2700 K	11.6	51.6	590	1550	Yes	81.5	06/27/13	
		MR16-75-B01-12-830-20	3000K	11.6	51.7	600	3800	Yes	82.8	06/27/13	
		MR16-75-B01-12-830-25	3000K	11.6	52.0	600	3440	Yes	82.8	06/27/13	
		MR16-75-B01-12-830-36	3000K	11.6	50.6	600	1600	Yes	82.7	06/27/13	
		MR16-65-B01-12-827-10	2700 K	9.8	48.1	490	7500	Yes	80.8	07/02/13	
		MR16-65-B01-12-830-10	3000K	9.8	48.0	500	7700	Yes	82.8	07/02/13	
		MR16-50-B01-12-927-10	2700 K	9.7	40.0	360	5700	Yes	96.1	07/02/13	
		MR16-50-B01-12-930-10	3000K	10.2	41.0	380	6000	Yes	97.0	07/02/13	
		MR16-36-B01-12-827-20	2700 K	10.1	45.8	460	2300	Yes	80.7	09/09/13	
		MR16-36-B01-12-827-25	2700 K	9.6	42.0	460	1980	Yes	81.1	09/09/13	
		MR16-36-B01-12-827-36	2700 K	9.6	42.1	400	1080	Yes	80.8	09/09/13	
		MR16-36-B01-12-830-20	3000K	9.9	48.5	460	2340	Yes	81.5	09/09/13	
		MR16-36-B01-12-830-25	3000K	9.9	46.9	460	2020	Yes	81.7	09/09/13	
		MR16-36-B01-12-830-36	3000K	9.7	41.9	460	1100	Yes	82.8	09/09/13	
		MR16-40-B01-12-927-10-2	2700 K	7.4	46.6	320	4300	Yes	96.0	09/09/13	
		MR16-40-B01-12-930-10-2	3000K	7.5	47.3	340	4500	Yes	97.0	09/09/13	
		MR16-50-B01-12-830-25	3000K	11.4	44.2	460	2375	Yes	80.9	09/09/13	
		MR16-30-B01-12-827-14	2700 K	8.8	42.3	360	3380	Yes	81.0	09/19/13	
		MR16-65-B03-120-827-10	2700 K	9.6	51.2	450	6660	Yes	81.0	12/11/13	
		MR16-65-B03-120-830-10	3000K	9.7	50.4	480	7120	Yes	83.0	12/11/13	
		MR16-50-B03-120-930-10	3000K	9.7	42.7	400	5920	Yes	97.0	12/11/13	
		MR16-50-B03-120-927-10	2700 K	9.7	40.3	390	5780	Yes	96.0	12/11/13	
		Sylvania	LED6MR16/DIM/827/FL36	2700 K	6.3	54.3	350	700	Yes	83.0	09/25/13
			LED6MR16/DIM/830/FL36	3000K	6.1	57.4	350	730	Yes	85.0	09/25/13
			LED6MR16/DIM/830/NFL25	3000K	6.1	60.5	350	1300	Yes	84.0	09/25/13
			LED7MR16/DIM/825/NFL25	2500 K	6.5	79.2	500	1850	Yes	79.0	09/25/13
	LED7MR16/DIM/830/NFL25		3000K	6.6	82.4	525	2340	Yes	84.0	09/25/13	
	LED6MR16/DIM/827/NFL25		2700 K	6.3	57.1	350	1100	Yes	84.0	09/25/13	
	TerraLUX Illumination	TLL-R16A-A2030NFD	3000K	4.8	48.0	230	1300	Yes	96.3	04/05/13	
	TCP	RLMR166GU1030K	3000K	6.6	56.4	210	NA	Yes	83.0	08/21/13	
		RLMR167GU1030KD	3000K	6.0	62.1	350	NA	Yes	85.0	08/21/13	
		RLMR16612V30K	3000K	5.7	62.4	210	NA	Yes	82.0	08/21/13	
	Toshiba	7MR16/827FL35	2700 K	7.0	41.6	300	700	Yes	80.8	05/28/13	
		7MR16/840NFL25	4200 K	6.9	43.5	320	1250	Yes	86.6	07/24/13	
	Verbatim Americas	G10-L320-C27-B-38-E	2700 K	7.1	44.1	320	NA	Yes	81.1	10/30/13	
		M16-L510-C40-B24	4000 K	7.1	75.5	510	2700	Yes	82.5	10/30/13	
		M16-L460-C27-B24	2700 K	7.0	67.6	460	2500	Yes	79.9	10/30/13	
		M16-L500-C30-B24	3000K	7.1	73.8	500	2600	Yes	81.5	10/30/13	
PAR16	Halco	PAR16FL6/827/LED	2700 K	6.6	55.0	360	670	Yes	82.6	11/20/13	
		Sylvania	LED7PAR16/DIM/GU10/830/FL36	3000K	6.9	50.4	350	650	Yes	85.0	05/28/13
			LED7PAR16/DIM/830/FL36	3000K	6.8	52.0	350	650	Yes	85.0	05/28/13

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PAR20	ESL Vision	ESL-Par20-7W	3000K	7.8	79.9	620	NA	Yes	81.0	12/10/13	
	ETi	520215	3000K	7.4	56.7	380	606	Yes	84.4	10/15/13	
	Green Creative		01-704-D-827-40D	2700 K	6.1	58.7	315	540	Yes	83.5	07/24/13
			8PAR20G3DIM/827FL40	2700 K	8.1	62.7	500	790	Yes	84.5	09/13/13
			8PAR20G3DIM/830FL40	3000K	8.2	67.0	550	860	Yes	84.0	10/22/13
			8PAR20G3DIM/840FL40	4000 K	7.8	74.1	550	860	Yes	81.7	03/11/14
	Green Illuminating Systems		FP-7PAR2028F	2916 K	6.5	73.6	476	2139	No	81.0	02/11/14
	Halco		PAR30FL13/827/LED	2700 K	13.6	57.4	680	1250	Yes	80.7	03/28/13
			PAR20NFL8/827/LED	2700 K	7.8	51.2	365	1250	Yes	83.1	07/30/13
	Overdrive Electronics		L7PAR20DIM/FL/30K	3100 K	6.4	64.8	415	750	Yes	84.2	12/10/13
	Satco		S9080	3000K	6.4	64.8	415	797	Yes	84.2	12/11/13
	TCP		RLR209W27KND	2700 K	7.6	78.2	500	NA	Yes	83.0	08/21/13
			LED8P20D30KFL	3000K	8.6	73.2	515	820	Yes	82.0	09/19/13
			LED8P20D30KNFL	3000K	8.6	68.2	515	2250	Yes	82.0	09/19/13
			LED8P2030KFL	3000K	7.7	77.6	515	NA	Yes	82.0	09/19/13
			LED8R2030K	3000K	7.6	80.6	515	NA	Yes	83.0	09/19/13
			LED10P2027KNFL	2700 K	10.5	61.8	600	NA	Yes	82.0	09/19/13
			LED8P20D27KNFL	2700 K	8.5	66.1	500	2070	Yes	81.0	09/26/13
			LED8P2027KNFL	2700 K	7.7	71.9	500	2070	Yes	81.0	09/26/13
			LED10P2030KFL	3000K	10.4	75.8	650	NA	Yes	81.0	09/26/13
Zenaro				RSLPAR20B-8W-4000K-TD-25	4000 K	8.5	64.2	495	2200	Yes	86.9
	RSLPAR20B-8W-4000K-TD-50	4000 K		8.0	63.6	520	650	Yes	85.6	07/10/13	
	RSLPAR20B-8W-2700K-TD-25	2700 K		7.4	59.2	450	1200	Yes	81.7	07/10/13	
PAR30	Acculamp	ALEBR30 850L 2700K E26 DIM	2700 K	12.1	72.9	850	260	Yes	80.0	10/17/13	
	EiKo Ltd	LEDP-13WPAR30/FL/827-DIM	2700 K	12.8	61.6	680	1240	Yes	79.8	08/27/13	
		LEDP-13WPAR30/FL/841-DIM	4100 K	12.9	75.0	730	1330	Yes	84.1	08/27/13	
		LEDP-15WPAR30/FL/841-DIM	4100 K	14.8	64.2	800	1460	Yes	87.7	08/27/13	

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Lamp Type	Manufacturer	Model Number	CCT	Input Wattage	Efficacy LPW	Rated Lumens	Rated CBCP	Dimmable	CRI	Post Date	
PAR30	Green Creative	14PAR30G3DIM830NF25	3000K	14.1	64.3	850	3000	Yes	84.8	09/13/13	
		14PAR30G3DIM827FL40	2700 K	13.8	64.7	800	1400	Yes	84.2	09/13/13	
		14.5PAR30SNG3DIM/827FL40	2700 K	15.1	56.9	800	1400	Yes	82.8	10/22/13	
		14.5PAR30SNG3DIM/827NF25	2700 K	14.3	60.9	800	2910	Yes	82.4	10/22/13	
		14PAR30G3DIM/840FL40	4000 K	13.8	75.4	890	1600	Yes	83.3	10/22/13	
		14PAR30G3DIM/827NF25	2700 K	14.2	62.8	800	2910	Yes	82.9	10/22/13	
	Green Illuminating Systems	FP-14PAR3028F	2937 K	14.3	76.2	1089	5536	No	80.0	02/11/14	
	Litetronics	LP10564FL4	3000K	9.3	59.4	600	2545	No	82.2	05/01/13	
		LP10562FL4	3000K	9.4	61.4	600	2545	No	82.8	04/25/13	
	Overdrive Electronics	L11PAR30LNDIM/FL/30K	3000K	10.7	69.6	750	1360	Yes	82.5	12/10/13	
	Satco	S9084	3000K	10.7	69.6	750	1502	Yes	82.5	12/11/13	
		S9088	3000K	10.7	69.6	750	1502	Yes	82.5	12/11/13	
	TCP	RLP3014W30KD	3000K	13.8	70.6	850	NA	Yes	81.0	08/21/13	
		RLP3014W30KND	3000K	13.7	65.2	750	NA	Yes	84.0	08/21/13	
		LED12P30D27KNFL	2700 K	12.3	61.7	800	3450	Yes	82.0	09/12/13	
		LED10P30S27KFL	2700 K	10.1	64.2	600	985	Yes	82.0	09/26/13	
		LED10P30S27KNFL	2700 K	10.1	66.1	600	2639	Yes	82.0	09/26/13	
		LED10P30SD27KNFL	2700 K	9.4	67.6	600	2639	Yes	82.0	09/26/13	
		LED12P30S27KFL	2700 K	12.1	64.6	800	1288	Yes	81.0	09/26/13	
		LED12P30S27KNFL	2700 K	11.9	61.0	800	3450	Yes	82.0	09/26/13	
		LED12P30SD30KNFL	3000K	12.1	66.6	825	3750	Yes	81.0	09/26/13	
		LED12P3027KNFL	2700 K	12.2	65.1	800	3450	Yes	82.0	09/26/13	
		LED14P3027KNFL	2700 K	13.6	67.6	1050	4876	Yes	85.0	09/26/13	
		LED12P30D27KFL	2700 K	12.3	70.7	800	1288	Yes	81.0	11/18/13	
	Toshiba	LDRB1640WE6USDL	4000 K	16.0	49.8	4000	3800	Yes	86.4	11/02/12	
	Zenaro	RSLPAR30C-S-10W-2700K-TD-25	2700 K	10.7	51.1	605	2500	Yes	82.7	07/10/13	
	PAR30L	ETi	520256	3000K	10.4	50.6	525	2550	Yes	82.1	09/18/13
		MSI	XPAR30L302512T3N	3000K	11.5	74.0	820	3525	No	81.8	06/14/13
PAR30S	ETi	520266	3000K	10.3	53.3	525	2519	Yes	81.7	09/18/13	
	Toshiba	16P30S/840FL32	4200 K	16.2	48.6	800	1750	Yes	87.0	09/05/13	
		13P30S/40IFL-T	4000 K	12.7	69.1	800	NA	Yes	82.2	09/09/13	
PAR38	DiVi Energy	GM-PAR38-12*2	5000 K	18.4	59.0	1100	4100	No	83.0	03/11/14	
	EiKo Ltd	LEDP-20WPAR38/FL/827-DIM	2700 K	20.1	56.2	1150	2200	Yes	79.9	08/27/13	
		LEDP-20WPAR38/FL/841-DIM	4100 K	19.4	74.2	1250	2400	Yes	84.1	08/27/13	
	ETi	520245	3000K	15.4	65.2	960	1448	Yes	85.0	10/15/13	
520244		3000K	14.3	51.8	800	4053	Yes	83.8	09/18/13		

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Lamp Type	Manufacturer	Model Number	CCT	Input Wattage	Efficacy LPW	Rated Lumens	Rated CBCP	Dimmable	CRI	Post Date	
PAR38	Evluma	BEA-50-4K-8-V-ME-L-0000	4000 K	47.6	63.1	2700	NA	No	85.0	05/22/13	
		BEA-50-4K-8-V-MO-L-0000	4000 K	47.6	63.1	2700	NA	No	85.0	05/22/13	
		BEA-50-4K-8-V-MO-S-0000	4000 K	47.6	63.1	2700	NA	No	85.0	05/22/13	
		BEA-50-4K-8-V-ME-S-0000	4000 K	47.6	63.1	2700	NA	No	85.0	05/22/13	
	Green Creative	19PAR38G3DIM-840FL40	4000 K	20.8	69.4	1320	2600	Yes	82.5	10/22/13	
	Green Illuminating Systems	FP-24PAR38/28F	2928 K	21.4	77.7	1662	9925	No	80.0	02/11/14	
	Halco	PAR38FL20/840/LED	4000 K	19.2	70.3	1250	2150	Yes	83.9	10/15/13	
	Litetronics	LP10566FL4	3000K	9.5	62.0	600	2545	No	82.5	05/17/13	
		LP15566SP4	3000K	15.0	56.9	950	8500	No	82.4	04/19/13	
		LP15566WF6D	4100 K	13.8	71.0	1125	1605	Yes	85.0	04/05/13	
		LP15566WF4D	3000K	14.5	74.1	1000	1430	Yes	82.0	04/19/13	
		LP15566FL4	3000K	14.8	56.0	950	3635	No	82.1	04/19/13	
		LP15566SP2D	2725 K	15.4	70.1	1000	8500	Yes	82.1	05/01/13	
	Maxlite	SKE17GUDLED30	3000K	17.0	59.7	1010	375.7	Yes	81.1	04/09/13	
		SKE17GUDLED41	4100 K	16.8	67.6	1140	490	Yes	88.2	04/09/13	
		SKP17GUDLED30	3000K	17.4	59.6	1060	375.7	Yes	81.3	04/09/13	
		SKP17GUDLED41	4100 K	16.2	72.3	1170	416	Yes	83.7	04/09/13	
	Overdrive Electronics	L17PAR38DIM/FL/30K	3000K	16.1	79.5	1200	2400	Yes	83.0	12/11/13	
	Philips	13PAR38/COREPRO/F25 3000 AF 6/1	3000K	12.6	66.0	830	3470	No	85.8	04/22/13	
		13PAR38/COREPRO/F25 4000 AF 6/1	4000 K	12.2	70.1	830	3392	No	85.6	04/22/13	
		13PAR38/COREPRO/F25 2700 AF 6/1	2700 K	12.1	64.4	830	3143	No	85.3	04/22/13	
	Sylvania	LED15PAR38/SGHO/830/SP10	3000K	15.5	70.8	1050	26000	No	82.1	05/07/13	
		LED15PAR38/830/NFL25	3000K	15.4	71.3	1050	5000	No	82.4	05/28/13	
		LED20PAR38/DIM/P/930/WSP12	3000K	19.4	55.8	1050	18000	Yes	92.9	05/28/13	
		LED20PAR38/DIM/P/927/WSP12	2700 K	20.0	54.7	1000	14000	Yes	92.9	05/28/13	
		LED16PAR38SE830FL30	3000K	15.6	64.8	950	3100	Yes	84.0	09/12/13	
	Satco	S9092	3000K	16.1	79.5	1200	2387	Yes	83.0	12/11/13	
	TCP	LED23E26P3830KFLND	3000K	23.1	74.7	1600	2952	No	81.0	06/21/13	
		LED23E26P3830KSPND	3000K	23.2	69.4	1600	12518	No	81.0	06/21/13	
		LED23E26P3841KSPND	4100 K	23.3	75.2	1700	13269	No	83.0	06/21/13	
		RLP3817W30KND	3000 K	17.0	66.8	1050	NA	Yes	82.0	08/21/13	
		RLP3817W30KWL	3000K	17.5	67.2	1050	NA	Yes	81.0	08/21/13	
		LED14P38D27KNFL	2700 K	13.7	65.2	1050	4876	Yes	85.0	09/12/13	
		LED14P38D30KNFL	3000K	13.6	80.2	1100	5300	Yes	81.0	09/12/13	
		LED14P3827KNFL	2700 K	13.5	66.7	1050	4876	Yes	85.0	09/26/13	
		LED17P3827KNFL	2700 K	16.4	67.1	1200	2024	No	85.0	11/18/13	
		LED14P38D27KFL	2700 K	13.7	68.4	1050	1840	Yes	86.0	11/18/13	
	S14	Shenzhen Wellking Lighting co.	31025-27	2716 K	2.6	42.3	112.5	NA	No	83.2	09/24/13
	S11	Shenzhen Wellking Lighting co.	31028-27	2723 K	2.7	39.4	114.7	NA	No	83.1	10/14/13

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