Mass Save "LED Eligible Products List"

Final List

Please reference ENERGY STAR Qualified Commercial LED Lighting list for LED downlights - Measure Code 80 (weblink http://www.energystar.gov/index.cfm?c=ssl_res.pt_ssl)

Last Modified:01/05/11									
Manufacturer Name	**Model Number**	**Product Category**	**Measured Luminaire Efficacy (lm/W)**	**Measured Wattage (W)**	**Measured Light Output (lm)**	**Measured CCT (K)**	**Measured CRI**	**DLC Approved**	**NOTES**
Albeo Technologies	LS-B144-010C0	Parking garage luminaires	67.1	55	3690	5564	71	Yes	
Amerlux	CNTRV33-24-LED-E-WT-120/277-NF 3000	Track or Mono-point Directional Lighting Fixtures	44.3	23.34	1033	2857	85.4	Yes	**Also Approved @ 3000K, 3500K & 4000K & (narrow flood optics only)**
Amerlux	CNTRV-34-LED-WH-120-NF-3000	Track or Mono-point Directional Lighting Fixtures	44.5	31.5	1400	2908	85.6	No	**Also Approved @ 3000K, 3500K & 4000K & (narrow flood optics only)**
Arcitectural Area Lighting	FH-T3-99LED-BW	Outdoor pole/arm-mounted decorative luminaires	46.5	109	5067	4877	68.1	Yes	
Arcitectural Area Lighting	FH-T5-99LED-BW	Outdoor pole/arm-mounted decorative luminaires	44.2	114	5042	4935	68.1	Yes	
Arcitectural Area Lighting	PROV-T3-60LED-BW	Outdoor pole/arm-mounted decorative luminaires	46	72.4	3329	4767	67.7	Yes	
Arcitectural Area Lighting	PROV-T5-60LED-BW	Outdoor pole/arm-mounted decorative luminaires	43.5	71.2	3094	4814	68.2	Yes	
Arcitectural Area Lighting	SLVT-T3-60LED-BW	Outdoor pole/arm-mounted decorative luminaires	41.6	72.5	3018	4853	67.7	Yes	
Arcitectural Area Lighting	SLVT-T5-60LED-BW	Outdoor pole/arm-mounted decorative luminaires	41.3	70.8	2927	4912	68.5	Yes	
Arcitectural Area Lighting	UCL-T3-120LED-BW	Outdoor pole/arm-mounted decorative luminaires	45.1	138	6221	4941	67.8	Yes	
Arcitectural Area Lighting	UCL-T5-120LED-BW	Outdoor pole/arm-mounted decorative luminaires	45	138	6213	4821	68.9	Yes	
Arcitectural Area Lighting	UCM-T3-60LED-BW	Outdoor pole/arm-mounted decorative luminaires	48.7	71.6	3486	4708	67.8	Yes	
Arcitectural Area Lighting	UCM-T5-60LED-BW	Outdoor pole/arm-mounted decorative luminaires	45.6	70.4	3207	4742	68.3	Yes	
BetaLED	CAN-227-PS-RM-03-C-UL-525mA	Canopy Luminaires	77.2	54.7	4224	5674	73	No	**Approved only for drive current at end of model number, 240 v version**
BetaLED	CAN-227-PS-RM-03-C-UL-525mA-60K	Canopy Luminaires	76.7	55.1	4224	5674	73	No	

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BetaLED	CAN-227-PS-RM-06-C-UL-525mA-60K	Canopy Luminaires	76.7	106	8133	6000	72	No	
BetaLED	CAN-227-PS-RM-09-C-UL-525mA-60K	Canopy Luminaires	74	165.9	12270	6206	71	No	
BetaLED	CAN-227-SL-RM-03-C-UL-525mA	Canopy Luminaires	76.1	55.3	4209	5638	73	No	**Approved only for drive current at end of model number, 240 v version**
BetaLED	CAN-304-PS-RS-06-C-UL-525 (525mA)	Canopy Luminaires	74.7	116.2	8675	5573	72	No	**Approved only for drive current at end of model number, 240 v version**
BetaLED	CAN-EDG-PS-RM-12-C-UL-350mA	Canopy Luminaires	84	143.6	12059	5626	71	No	**Approved only for drive current at end of model number, 240 v version**
BetaLED	CAN-EDG-SL-DM-12-C-UL-350mA	Canopy Luminaires	83.4	141.4	11788	5635	72	No	**Approved only for drive current at end of model number, 240 v version**
BetaLED	PKG-304-5M-DM-04-C-UL-SV-R-350mA	Canopy Luminaires	78.6	48	3774	6000	73	No	
BetaLED	STR-LWY-XX-XX-02-C-UL-XX-525-43K	Outdoor pole / arm-mounted area and roadway luminaire	50.7	39.4	1999.54	4213	81.3	Yes	
BetaLED	STR-LWY-XX-XX-03-C-UL-XX-525-43K	Outdoor pole / arm-mounted area and roadway luminaire	51.9	56.5	2927.11	4193	81.6	Yes	
BetaLED	STR-LWY-XX-XX-06-C-UL-XX-525-43K	Outdoor pole / arm-mounted area and roadway luminaire	51.9	112.3	5826.37	4207	81.9	Yes	
BetaLED	STR-LWY-XX-XX-12-C-UL-XX-525-43K	Outdoor pole / arm-mounted area and roadway luminaire	55.2	209.8	11587	4448	79.0	Yes	
BetaLED	ARE-EDG-25-**-12-C-UL-BK-350mA	Outdoor pole/arm-mounted area and roadway luminaires	75.9	147.4	11183	5648	72	No	**Approved only for drive current at end of model number, 240 v version**
BetaLED	ARE-EDG-2MB-**-12-C-UL-BK-350mA	Outdoor pole/arm-mounted area and roadway luminaires	53.3	144.6	7710	5992	72	No	**Approved only for drive current at end of model number, 240 v version**
BetaLED	ARE-EDG-2M-DA-12-C-UL-350mA	Outdoor pole/arm-mounted area and roadway luminaires	70.3	147.2	10355	5682	72	No	**Approved only for drive current at end of model number, 240 v version**
BetaLED	ARE-EDG-3M-DA-12-C-UL-350mA	Outdoor pole/arm-mounted area and roadway luminaires	71.3	139	9914	5664	72	No	**Approved only for drive current at end of model number, 240 v version**
BetaLED	ARE-EDG-4MB-**-12-C-UL-BK-350mA	Outdoor pole/arm-mounted area and roadway luminaires	52.2	144.5	7543	5981	72	No	**Approved only for drive current at end of model number, 240 v version**

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BetaLED	ARE-EDG-4M-DA-12-C-UL-350mA	Outdoor pole/arm-mounted area and roadway luminaires	72.9	143.6	10464	5713	73	No	**Approved only for drive current at end of model number, 240 v version**
BetaLED	ARE-EDG-5M-DA-12-C-UL-350mA	Outdoor pole/arm-mounted area and roadway luminaires	77.6	141.9	11013	5737	73	No	**Edge Type 5 Medium distribution**
BetaLED	ARE-EDG-5M-DA-24-C-UL-350mA	Outdoor pole/arm-mounted area and roadway luminaires	75.5	288.6	21779	5730	72	No	**Approved only for drive current at end of model number, 240 v version**
BetaLED	ARE-EDG-5S-DA-12-C-UL-350mA	Outdoor pole/arm-mounted area and roadway luminaires	81.4	139.2	11325	5675	73	No	**Approved only for drive current at end of model number, 240 v version**
BetaLED	ARE-EDG-T5-DA-12-C-UL-350mA	Outdoor pole/arm-mounted area and roadway luminaires	78.3	140.7	11013	5737	73	No	**Approved only for drive current at end of model number, 240 v version**
BetaLED	BLD-STR-T2-HT-025-LED-B	Outdoor pole/arm-mounted area and roadway luminaires	51.8	60	3108	6500	75.2	Yes	
BetaLED	BLD-STR-T2-HT-025-LED-B	Outdoor pole/arm-mounted area and roadway luminaires	51.8	60	3108	6500	75.2	Yes	
BetaLED	STR-2MB-**-04-C-UL-WH-525mA	Outdoor pole/arm-mounted area and roadway luminaires	50.3	70.3	3534	5922	72	No	**Approved only for drive current at end of model number, 240 v version**
BetaLED	STR-LWY-2M-**-08-C-UL-WH-43K-525mA	Outdoor pole/arm-mounted area and roadway luminaires	59.2	141.1	8347	4532	79	No	**Approved only for drive current at end of model number, 240 v version**
BetaLED	STR-LWY-2M-**-10-C-UL-43K-525mA	Outdoor pole/arm-mounted area and roadway luminaires	58.4	177.6	10375	4549	79	No	**Approved only for drive current at end of model number, 240 v version**
BetaLED	STR-LWY-2M-**-12-C-UL-43K-525mA	Outdoor pole/arm-mounted area and roadway luminaires	58.1	210.1	12204	4560	80	No	**Approved only for drive current at end of model number, 240 v version**
BetaLED	STR-LWY-2M-HT-03-C-UL-525mA	Outdoor pole/arm-mounted area and roadway luminaires	66.9	53.9	3604	5724	73	No	**Approved only for drive current at end of model number, 240 v version**
BetaLED	STR-LWY-2M-HT-04-C-UL-525mA	Outdoor pole/arm-mounted area and roadway luminaires	69.3	70.8	4909	5726	73	No	**Approved only for drive current at end of model number, 240 v version**
BetaLED	STR-LWY-2M-HT-06-C-UL-525mA	Outdoor pole/arm-mounted area and roadway luminaires	65.7	110.2	7236	5967	73	No	**Approved only for drive current at end of model number, 240 v version**
BetaLED	STR-LWY-2M-HT-08-C-UL-525mA	Outdoor pole/arm-mounted area and roadway luminaires	67.2	149.9	10072	5778	73	No	**Approved only for drive current at end of model number, 240 v version**
BetaLED	STR-LWY-2M-HT-10-C-UL-SV-R-525ma	Outdoor pole/arm-mounted area and roadway luminaires	65.3	181	11812	5888	72	No	

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BetaLED	STR-LWY-2M-HT-12-C-UL-525mA	Outdoor pole/arm-mounted area and roadway luminaires	63.5	219	13905	6012	73	No	**Approved only for drive current at end of model number, 240 v version**
BetaLED	STR-LWY-2SB-**-04-C-UL-WH-525mA	Outdoor pole/arm-mounted area and roadway luminaires	55	70.4	3875	5939	72	No	**Approved only for drive current at end of model number, 240 v version**
BetaLED	STR-LWY-2S-HT-04-C-UL-525mA	Outdoor pole/arm-mounted area and roadway luminaires	73.7	70.9	5225	5704	73	No	**Approved only for drive current at end of model number, 240 v version**
BetaLED	STR-LWY-3M-**-08-C-UL-WH-43K-525mA	Outdoor pole/arm-mounted area and roadway luminaires	55.9	141	7880	4414	78	No	**Approved only for drive current at end of model number, 240 v version**
BetaLED	STR-LWY-3M-**-10-C-UL-43K-525mA	Outdoor pole/arm-mounted area and roadway luminaires	55.8	173.1	9654	4521	79	No	**Approved only for drive current at end of model number, 240 v version**
BetaLED	STR-LWY-3M-**-12-C-UL-43K-525mA	Outdoor pole/arm-mounted area and roadway luminaires	55.2	209.8	11587	4448	79	No	**Approved only for drive current at end of model number, 240 v version**
BetaLED	STR-LWY-3M-HT-04-C-UL-525mA	Outdoor pole/arm-mounted area and roadway luminaires	66.3	70.8	4696	5690	73	No	**Approved only for drive current at end of model number, 240 v version**
BetaLED	STR-LWY-4MB-**-04-C-L-WH-525mA	Outdoor pole/arm-mounted area and roadway luminaires	50.9	70.4	3584	5888	72	No	**Approved only for drive current at end of model number, 240 v version**
BetaLED	STR-LWY-4M-HT-04-C-UL-525mA	Outdoor pole/arm-mounted area and roadway luminaires	70.9	70.9	5026	5712	73	No	**Approved only for drive current at end of model number, 240 v version**
BetaLED	STR-LWY-5M-HT-04-C-UI-525mA	Outdoor pole/arm-mounted area and roadway luminaires	74.4	69.9	5202	5722	73	No	**Approved only for drive current at end of model number, 240 v version**
BetaLED	STR-LWY-5S-**-04-C-UL-WH-525mA	Outdoor pole/arm-mounted area and roadway luminaires	75.3	71.2	5361	5878	72	No	**Approved only for drive current at end of model number, 240 v version**
BetaLED	SEC-EDG-3M-WM-02-C-12-SV-P-350mA	Outdoor Wall-Mounted Area Luminaire	66	25	1649	5737	72	No	
BetaLED	SEC-EDG-3M-WM-04-C-UL-350mA	Outdoor Wall-Mounted Area Luminaire	65	50.9	3311	5589	71	No	**Approved only for drive current at end of model number, 240 v version**
BetaLED	SEC-EDG-3M-WM-04-C-UL-350mA-6K	Outdoor Wall-Mounted Area Luminaire	64.5	51.3	3311	5589	71	No	
BetaLED	PGK-EDG-5M-**-04-C-UL-WH-525-525mA	Parking garage luminaires	69.4	73.4	5092	5898	72	No	**Approved only for drive current at end of model number, 240 v version**
BetaLED	PKG-304-5M-**-06-C-UL-350mA	Parking garage luminaires	72.8	72.4	5273	6189	74	No	**Approved only for drive current at end of model number, 240 v version**

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BetaLED	PKG-304-5M-DM-06-C-UL-350mA-60K	Parking garage luminaires	73.2	72	5273	6189	74	No	
BetaLED	PKG-304-SL-RS-06-C-UL-350mA	Parking garage luminaires	80.8	78.9	6374	5503	71	No	**Approved only for drive current at end of model number, 240 v version**
BetaLED	PKG-EDG-5M-**-04-C-UL-WH-350mA	Parking garage luminaires	76.1	49.2	3744	5829	72	No	**Approved only for drive current at end of model number, 240 v version**
BetaLED	PKG-EDG-5M-**-04-D-UL-WH-350mA	Parking garage luminaires	86.7	47.3	4099	6142	72	No	**Approved only for drive current at end of model number, 240 v version**
BetaLED	PKG-EDG-5M-**-04-D-UL-WH-525-525mA	Parking garage luminaires	81.1	70.3	5701	6255	72	No	**Approved only for drive current at end of model number, 240 v version**
BetaLED	PKG-EDG-5M-DM-04-C-UL-XX-60K-175	Parking garage luminaires	80.0	25.7	2055	5701	72.0	Yes	
BetaLED	PKG-EDG-5M-DM-10-C-UL-XX-60K-525	Parking garage luminaires	68.0	176.9	12035	5955	72.0	Yes	
BetaLED	PKG-EDG-5M-XX-06-C-UL-350mA-60K	Parking garage luminaires	76.3	73.3	5570	5926	71	No	
BetaLED	PKG-EDG-5M-XX-10-C-UL-525ma-60K	Parking garage luminaires	68	176.9	12035	5955	72	No	
BetaLED	PKG-EDG-PS-**-06-C-UL-350mA	Parking garage luminaires	84.5	72.8	6148	5575	72	No	**Approved only for drive current at end of model number, 240 v version**
Con-Tech Lighting	CTL-802818L-F-3K	Track or Mono-point Directional Lighting Fixtures	40.88	16.8	736	3084	84	No	
Con-Tech Lighting	CTL-802818L-M-3K	Track or Mono-point Directional Lighting Fixtures	43.3	16.9	781	3023	83	No	
Con-Tech Lighting	CTL-802818L-S-3K	Track or Mono-point Directional Lighting Fixtures	53	16.8	893	3035	84	No	
Con-Tech Lighting	CTL-802927L-F-3K	Track or Mono-point Directional Lighting Fixtures	37.7	25.5	962	3035	84	No	
Con-Tech Lighting	CTL-802927L-M-3K	Track or Mono-point Directional Lighting Fixtures	38.8	26.6	1032	3047	84	No	
Con-Tech Lighting	CTL-802927L-S-3K	Track or Mono-point Directional Lighting Fixtures	44.2	26.6	1177	3065	85	No	

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Cooper Lighting/ Halo	L805MEDFL830	Track or Mono-point Directional Lighting Fixtures	38.1	19.01	724.7	3000	80.6	Yes	**Also Approved @ 4000K**
Cooper Lighting/ Halo	L805MEDNF830	Track or Mono-point Directional Lighting Fixtures	40.7	17.83	725.6	3000	80	Yes	**Also Approved @ 4000K**
Cooper Lighting/ Halo	L805MEDSP830	Track or Mono-point Directional Lighting Fixtures	41.7	18.57	774.4	3000	81.7	Yes	**Also Approved @ 4000K**
Cooper Lighting/ Halo	L805SMLFL830	Track or Mono-point Directional Lighting Fixtures	31	9.51	294.3	3000	80.7	Yes	**Also Approved @ 4000K**
Cooper Lighting/ Halo	L805SMLNF830	Track or Mono-point Directional Lighting Fixtures	32.6	9.53	310.4	3000	81	Yes	**Also Approved @ 4000K**
Cooper Lighting/ Halo	L805SMLSP830	Track or Mono-point Directional Lighting Fixtures	38.9	8.48	329.8	3000	79.9	Yes	**Also Approved @ 4000K**
Cooper Lighting/ McGraw Edison	VTS-A09-LED-E1-5WQ	Outdoor pole/arm-mounted area and roadway luminaires	67.2	236.5	15885	4222	67	Yes	
Cooper Lighting/ McGraw Edison	VTS-A09-LED-E1-SL3	Outdoor pole/arm-mounted area and roadway luminaires	63.2	235.4	14888	4219	67	Yes	
Cooper Lighting/ McGraw Edison	VTS-A09-LED-E1-T4	Outdoor pole/arm-mounted area and roadway luminaires	63.3	233.8	14792	4191	66	Yes	
Cooper Lighting/ McGraw Edison	VPL-A02-LED-E1-SQ	Parking garage luminaires	76.4	52.5	4013	4089	66	Yes	
Cooper Lighting/ McGraw Edison	VPL-A03-LED-E1-SQ	Parking garage luminaires	77.7	75	5831	4060	66	Yes	
Cooper Lighting/ McGraw Edison	VPL-A04-LED-E1-RW	Parking garage luminaires	70.6	96.8	6835	4108	67	No	**Also Approved for all Distributions**
Cooper Lighting/ McGraw Edison	VPL-A04-LED-E1-SQ	Parking garage luminaires	76.8	92.2	7081	4205	68	Yes	
Cree	LR24-32SKA35	2X2 Architectural Recessed Troffer	77.6	40.3	3126	3250	89	No	
Cree	LRP38A92-20D40	Replacement Lamp - PAR38	55.82	11.1	5012 CBCP	2694.5	93.8	No	**Replaces up to 75 watt- 20° Flood**
Dialight	HB2C4M	High-bay/ Low-bay Fixtures	74.05	141.1	10449	6500	74.2	Yes	

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Dialight	HB1C4J	High-bay/ Low-bay Fixtures	68.66	154.3	10595	6500	72	Yes	
Dialight	HBD2C4M	High-bay/ Low-bay Fixtures	74.05	141.1	10449	6500	74.2	Yes	
Dialight	HB1C4N	High-bay/Low-bay Fixtures	81.43	141.1	11489	6500	74.2	Yes	
Dialight	SL2C4BLGH	Outdoor pole/arm-mounted area and roadway luminaires	53.13	65.67	3488.8	5855	73	Yes	
Dialight	SL2C4ELGH	Outdoor pole/arm-mounted area and roadway luminaires	50.33	131.4	6613	5592	67.7	Yes	
Digital Lumens	ILE-MB-3-CW	High-bay/ Low-bay fixtures	66.75	160.75	10730	6500	75.2	Yes	
Digital Lumens	ILE-MB-3-NW	High-bay/ Low-bay fixtures	66.19	160.46	10620	4000	73.9	Yes	
Digital Lumens	ILE-HB-3	High-bay/Low-bay Fixtures	64.74	159.88	10350	6500	74.3	Yes	
Duracell	DL-P30F-38-27K-WH	Replacement Lamp - PAR30	50.1	10.56	4760 CBCP	2801	83.1	No	**Replaces up to 60 watt- 17° Flood**
Duracell	DL-P30F-38-30K-WH	Replacement Lamp - PAR30	47.37	10.7	3661 CBCP	2973	85.6	No	**Replaces up to 60 watt -40° Flood**
Duracell	DL-P30F-60-27K-WH	Replacement Lamp - PAR30	48.1	10.3	1016 CBCP	2753	82.5	No	**Replaces up to 60 watt - 40° Flood**
Duracell	DL-P30F-60-30K-WH	Replacement Lamp - PAR30	47.5	10.8	1124 CBCP	3011	84.8	No	**Replaces up to 50 watt - 35° Flood**
Duracell	DL-P38F-38-27K-WH	Replacement Lamp - PAR38	50.97	15.12	6778 CBCP	2806	83.3	No	**Replaces up to 75 watt- 17° Flood**
Duracell	DL-P38F-38-30K-WH	Replacement Lamp - PAR38	49.43	15.88	6941 CBCP	3017	85	No	**Replaces up to 75 watt- 17° Flood**
Duracell	DL-P38F-60-27K-WH	Replacement Lamp - PAR38	48.3	14.62	1753 CBCP	2809	83.1	No	**Replaces up to 75 watt - 35° Flood**
Duracell	DL-P38F-60-30K-WH	Replacement Lamp - PAR38	47.92	15.1	1908 CBCP	3014	84.7	No	**Replaces up to 75 watt - 35° Flood**

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Electra LED	ELS-C4-3500K	Refrigerated Case Lighting	58	15.8	228.4 (lm/ft)	3500	84	N0	**4' length also Approved @ 4200K**
Electra LED	ELS-R4-3500K	Refrigerated Case Lighting	57.2	7.6	109.2 (lm/ft)	3500	84	N0	**4' length also Approved @ 4200K & Left Fixtures**
Electra LED	ELS-C5-3500K	Refrigerated Case Lighting	58	19.7	228.4 (lm/ft)	3500	84	Yes	**5' length also Approved @ 4200K**
Electra LED	ELS-R5-3500K	Refrigerated Case Lighting	57.2	9.5	109.2 (lm/ft)	3500	84	Yes	**5' length also Approved @ 4200K & Left Fixtures**
Electra LED	ELS-C6-3500K	Refrigerated Case Lighting	58	23.6	228.4 (lm/ft)	3500	84	No	**6' length also Approved @ 4200K**
Electra LED	ELS-R6-3500K	Refrigerated Case Lighting	57.2	11.4	109.2 (lm/ft)	3500	84	No	**6' length also Approved @ 4200K & Left Fixtures**
Electra LED	LS-C4-4200K	Refrigerated Case Lighting	39.6	26	257.4 (lm/ft)	4334	76	No	**4' length also Approved @ 3000K, 3500K and 4200K**
Electra LED	LS-R4-4200K	Refrigerated Case Lighting	39.7	13.12	130.2 (lm/ft)	4334	76	No	**4' length also Approved @ 3000K, 3500K and 4200K & Left Fixtures**
Electra LED	LS-C5-4200K	Refrigerated Case Lighting	39.6	32.5	257.4 (lm/ft)	4334	76	No	**5' length also Approved @ 3000K, 3500K and 4200K**
Electra LED	LS-R5-4200K	Refrigerated Case Lighting	39.7	16.4	130.2 (lm/ft)	4334	76	No	**5' length also Approved @ 3000K, 3500K and 4200K & Left Fixtures**
Electra LED	LS-C6-4200K	Refrigerated Case Lighting	39.6	39	257.4 (lm/ft)	4334	76	No	**6' length also Approved @ 3000K, 3500K and 4200K**
Electra LED	LS-R6-4200K	Refrigerated Case Lighting	39.7	19.7	130.2 (lm/ft)	4334	76	No	**6' length also Approved @ 3000K, 3500K and 4200K & Left Fixtures**
Electra LED	TLC-05B27DD	Track or Mono-point Directional Lighting Fixtures	44	13.5	594	2700	85	Yes	**Also Approved @ 2700K, 3000K, 3500K & 4000K**
Electra LED	TLC-05B27MM	Track or Mono-point Directional Lighting Fixtures	42.6	13.6	580	2700	85	Yes	**Also Approved @ 2700K, 3000K, 3500K & 4000K**
Electra LED	TLC-05B27RS	Track or Mono-point Directional Lighting Fixtures	44.2	13.6	601	2700	85	Yes	**Also Approved @ 3000K, 3500K & 4000K & (medium/diffuse optics)**
Electra LED	TLC-05B27RS	Track or Mono-point Directional Lighting Fixtures	44.2	13.6	601	2700	85	Yes	**Also Approved @ 2700K, 3000K, 3500K & 4000K**

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Manufacturer Name	**Model Number**	**Product Category**	**Measured Luminaire Efficacy (lm/W)**	**Measured Wattage (W)**	**Measured Light Output (lm)**	**Measured CCT (K)**	**Measured CRI**	**DLC Approved**	**NOTES**
Electra LED	TLC-10B27DD	Track or Mono-point Directional Lighting Fixtures	43.2	25.25	1140	2700	85	Yes	**Also Approved @ 2700K, 3000K, 3500K & 4000K**
Electra LED	TLC-10B27MM	Track or Mono-point Directional Lighting Fixtures	42.2	26.3	1109	2700	85	Yes	**Also Approved @ 2700K, 3000K, 3500K & 4000K**
Electra LED	TLC-10B27RS	Track or Mono-point Directional Lighting Fixtures	43.5	26.2	1141	2700	85	Yes	**Also Approved @ 2700K, 3000K, 3500K & 4000K**
Electra LED	TLC-10B27RS	Track or Mono-point Directional Lighting Fixtures	43.5	26.2	1141	2700	85	Yes	**Also Approved @ 2700K, 3000K, 3500K & 4000K**
Electra LED	TLC-15B27DD	Track or Mono-point Directional Lighting Fixtures	43.9	37.4	1640	2700	85	Yes	**Also Approved @ 2700K, 3000K, 3500K & 4000K**
Electra LED	TLC-15B27MM	Track or Mono-point Directional Lighting Fixtures	41.6	36.5	1518	2700	85	Yes	**Also Approved @ 2700K, 3000K, 3500K & 4000K**
Electra LED	TLC-15B27RS	Track or Mono-point Directional Lighting Fixtures	43.7	38.2	1669	2700	85	Yes	**Also Approved @ 2700K, 3000K, 3500K & 4000K**
Everlight	SL-PAR30/B/P11/20/E30/ND/26/UNI	Replacement Lamp - PAR30	46.8	11	1873 CBCP	3080	82.4	No	**Replaces up to 35 watt- 20° Flood**
GE Lighting	ERMCOA743A	Outdoor pole/arm-mounted area and roadway luminaires	58	52	3008	4184	76.7	No	
GE Lighting	ERMCOA843A	Outdoor pole/arm-mounted area and roadway luminaires	60	65.6	3939	4234	75.7	No	
GE Lighting	ERMCOA860A	Outdoor pole/arm-mounted area and roadway luminaires	60	67.1	4022	6077	71.5	No	
GE Lighting	GE-LT-306041CTR	Refrigerated Case Lighting	35.7	29	207 (lm/ft)	4397	77.4	No	**5' Center Fixture**
GE Lighting	GE-LT-306050CTR	Refrigerated Case Lighting	44.7	29	259 (lm/ft)	5392	71.2	No	**5' Center Fixture**
GE Lighting	GE-LT-306050EDR	Refrigerated Case Lighting	44.7	13.6	114 (lm/ft)	5392	71.2	No	**Also Approved 5' Left Fixture**
GE Lighting	GE-LT-307041CTR	Refrigerated Case Lighting	35.64	34	202 (lm/ft)	4313	76	No	**6' Center Fixture**
GE Lighting	GE-LT-307050CTR	Refrigerated Case Lighting	48.4	34	274 (lm/ft)	5212	71.2	No	**6' Center Fixture**

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GE Lighting	GE-LT-307050EDR	Refrigerated Case Lighting	41.9	17	119 (lm/ft)	5151	71.7	No	**Also Approved 6' Left Fixture**
GE Lighting	LED7DP20B827/20	Replacement Lamp - PAR20	46.2	6.9	1813.9 CBCP	2642	85.1	No	**Replaces up to 50W - 20 Degrees**
GE Lighting	LED7DP20B830/12	Replacement Lamp - PAR20	52	6.8	3507.5 CBCP	3133	82.3	No	**Replaces up to 50W - 10 Degrees**
GE Lighting	LED7DP20B830/20	Replacement Lamp - PAR20	52.9	6.8	2043 CBCP	3151	81.8	No	**Replaces up to 50W - 20 Degrees**
GE Lighting	LED10DP3S830	Replacement Lamp - PAR30	53	9.7	3853 CBCP	3143	81.5	No	**Replaces up to 50W - 20 Degree**
GE Lighting	LED10DP3LS830	Replacement Lamp - PAR30LN	51	10.3	3818 CBCP	3138	81.2	No	**Replaces up to 50W - 20 Degree**
GE Lighting	LED20P38S830/25	Replacement Lamp - PAR38	57.6	19.4	4799.9 CBCP	3127	83.8	No	**Replaces up to 90W - 25 Degrees (Indoor/Outdoor)**
GE Lighting	LED20P38S830/40	Replacement Lamp - PAR38	55.7	19.4	1796.1 CBCP	3125	83.8	No	**Replaces up to 90W - 40 Degrees (Indoor/Outdoor)**
Hubbell Ltg/Architectural Area Ltg	SLVT-T3-60LED-BW	Outdoor pole/arm-mounted decorative luminaires	41.6	72.5	3018	4853	67.7	Yes	
Hubbell Ltg/Architectural Area Ltg	SLVT-T5-60LED-BW	Outdoor pole/arm-mounted decorative luminaires	41.3	70.8	2927	4912	68.5	Yes	
Hubbell Ltg/Architectural Area Ltg	UCM-T3-60LED-BW	Outdoor pole/arm-mounted decorative luminaires	48.7	71.6	3486	4708	67.8	Yes	
Hubbell Ltg/Architectural Area Ltg	UCM-T5-60LED-BW	Outdoor pole/arm-mounted decorative luminaires	45.6	70.4	3207	4742	68.3	Yes	
Hussman	4441330	Refrigerated Case Lighting	55.9	21.6	241.4 (lm/ft)	4165	75	No	**5' Center Fixture**
Hussman	4441331	Refrigerated Case Lighting	55.5	10.9	121 (lm/ft)	4078	75	No	**5' End Fixture (Left or Right)**
IntenCity	GL50	Parking garage luminaires	72.1	86.3	6219	6390	76	No	**6,500 K Version Only**
International Lighting	ILT60-SLV-W40-C	Refrigerated Case Lighting	39.9	30.4	238.6 (lm/ft)	4207	89.2	No	**5' Center Fixture**

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International Lighting	ILT60-SLV-W40-R	Refrigerated Case Lighting	39.9	15.3	119.3 (lm/ft)	4207	89.2	No	**Also Approved 5' Left Fixture**
International Lighting	ILT60-SLV-W50-C	Refrigerated Case Lighting	40.9	30.5	249.6 (lm/ft)	5070	87.3	No	**5' Center Fixture**
International Lighting	ILT60-SLV-W50-R	Refrigerated Case Lighting	40.8	15.3	124.8 (lm/ft)	5070	87.3	No	**Also Approved 5' Left Fixture**
Janmar Lighting	739D-8.4LED-LPARNSP-WHT	Track or Mono-point Directional Lighting Fixtures	41.5	8.6	356	3000	81.4	Yes	**Also Approved 736-LM & 739 series**
LED Lighting Solutions	Ultra 3	Outdoor pole/arm-mounted area and roadway luminaires	77.01	62.72	4830	5034	69.3	Yes	
LED Roadway Lighting	SAT-72M-0-X-XX-2-XX-G3-GBX-B1G	Outdoor pole/arm-mounted area and roadway luminaires	67.18	107.5	7222	5515	76	Yes	**Also Approved SAT-72M-0-X-XX-2-XX-G3-GBX-B1H/B1F**
LED Roadway Lighting	SAT-96M-0-X-XX-2-G3-GBX-B1G	Outdoor pole/arm-mounted area and roadway luminaires	59.47	200.8	11941	5489	76	Yes	**Also Approved SAT-96M-0-X-XX-2-XX-G3-GBX-B1H/B1F**
LED Roadway Lighting	SAT-96M-0-X-XX-2-G3-GBX-B1G	Outdoor pole/arm-mounted area and roadway luminaires	67.18	107.5	7222	5515	76	Yes	
LED-Era Inc.	LS5	Outdoor pole/arm-mounted area and roadway luminaires	68.6	85.1	5837	5830	73.2	Yes	
LED-Era Inc.	LS7	Outdoor pole/arm-mounted area and roadway luminaires	69.6	119.5	8319	5723	73	Yes	
LED-Era Inc.	LP3	Outdoor Wall-Mounted Area Luminaire	68.7	52.6	3616	5734	73.5	Yes	
LED-Era Inc.	LP4	Outdoor Wall-Mounted Area Luminaire	69.3	68.7	4762	5849	73.2	Yes	
LED-Era Inc.	LP5	Outdoor Wall-Mounted Area Luminaire	68.6	85.1	5837	5830	73.2	Yes	
LEDnovation	LED-PAR38-90-1WD-INF	Replacement Lamp - PAR38	50.8	19.1	3490 CBCP	3005	82.2	No	**Replaces up to 90 watt- 25° Flood**
LEDnovation	LED-PAR20-35-1WD-IF	Replacement Lamp - PAR20	61.58	3.51	506 CBCP	2949	84.1	No	**Replaces up to 35 watt- 35°**
LEDnovation	LED-PAR20-35-1WD-INF	Replacement Lamp - PAR20	64.72	3.5	801 CBCP	2939.3	84	No	**Replaces up to 35 watt- 30°**

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LEDnovation	LED-PAR20-50-1WD-IF	Replacement Lamp - PAR20	59.5	5.84	815 CBCP	2979.6	83.6	No	**Replaces up to 50 watt- 35°**
LEDnovation	LED-PAR20-50-1WD-INF	Replacement Lamp - PAR20	63.37	5.87	1312 CBCP	2980	83.4	No	**Replaces up to 50 watt- 30°**
LEDnovation	LED-PAR30L-50-1WD-IF	Replacement Lamp - PAR30LN	58.52	7.94	1076 CBCP	2956	81.6	No	**Replaces up to 50 watt-35 °**
LEDnovation	LED-PAR30L-50-1WD-INF	Replacement Lamp - PAR30LN	61.38	7.95	1712 CBCP	2966	81.7	No	**Replaces up to 50 watt- 30°**
LEDnovation	LED-PAR30L-75-1WD-IF	Replacement Lamp - PAR30LN	51.83	14.7	1645 CBCP	2933	82.9	No	**Replaces up to 75 watt- 35°**
LEDnovation	LED-PAR30L-75-1WD-INF	Replacement Lamp - PAR30LN	54.43	14.66	2700 CBCP	2959	82.3	No	**Replaces up to 75 watt- 30°**
LEDnovation	LED-PAR30S-75-1WD-INF	Replacement Lamp - PAR30	50.77	14.76	2587 CBCP	2950	83.7	No	**Replaces up to 75 watt- 30°**
LEDnovation	LED-PAR30S-75-1WD-IF	Replacement Lamp - PAR30	54.04	14.05	1679 CBCP	2953	82.4	No	**Replaces up to 75 watt- 35°**
LEDnovation	LED-PAR30S-50-1WD-IF	Replacement Lamp - PAR30	57.18	7.89	1043 CBCP	2936	82.6	No	**Replaces up to 50 watt- °**
LEDnovation	LED-PAR30S-50-1WD-INF	Replacement Lamp - PAR30	59.85	7.89	1615 CBCP	2945	82.7	No	**Replaces up to 50 watt- 30°**
LEDnovation	LED-PAR38-75-1WD-IF	Replacement Lamp - PAR38	51.85	13.66	1691 CBCP	2944	82.4	No	**Replaces up to 75 watt- 35°**
LEDnovation	LED-PAR38-75-1WD-INF	Replacement Lamp - PAR38	55.83	13.53	2645 CBCP	2957	82	No	**Replaces up to 75 watt- 30°**
LEDnovation	LED-PAR38-90-1WD-IF	Replacement Lamp - PAR38	46.3	19.02	2060 CBCP	3011	82	No	**Replaces up to 90 watt- 35 °**
Lighting Science Group	LSR1 CW R3 2B	Outdoor pole/arm-mounted area and roadway luminaires	89.92	49.81	4479	5220	68.8	Yes	
Lighting Science Group	LSR2 CW R3 2B	Outdoor pole/arm-mounted area and roadway luminaires	77.1	75.48	5826	5145	68.9	Yes	
Lighting Science Group	LSR3 CW R2 2B	Outdoor pole/arm-mounted area and roadway luminaires	92.36	101.4	9365	5013	67.8	Yes	

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Lighting Science Group	LSR3 CW R3 2B	Outdoor pole/arm-mounted area and roadway luminaires	92.94	101.3	9415	4959	67.8	Yes	
Lighting Science Group	LSR4 CW R2 2B	Outdoor pole/arm-mounted area and roadway luminaires	80.52	145.5	11716	5061	68.7	Yes	
Lighting Science Group	LSR4 CW R3 2B	Outdoor pole/arm-mounted area and roadway luminaires	76.5	150.4	11501.3	5095	70.4	Yes	
Lighting Science Group	SHB CW CLR	Outdoor pole/arm-mounted area and roadway luminaires	79.77	84.81	6765	6222	75.2	Yes	
Lighting Science Group	BYL CW CLR PND 24	Parking garage luminaires	58.73	58.74	3450	4887	69.9	Yes	
Lighting Science Group	BYL CW CLR PND 48	Parking garage luminaires	62.93	104.8	6589	4982	70.2	Yes	
Lighting Science Group	DFN-16-W27-FL	Replacement Lamp - MR16	45.14	5.87	550 CBCP	2704	86.6	No	**Replaces up to 20 watt- 35° Flood**
Lighting Science Group	DFN-16-W27-NFL-B	Replacement Lamp - MR16	47.07	5.82	915.45 CBCP	2729	85	No	**Replaces up to 20 watt- 30° Flood**
Lighting Science Group	DFN-16-WW-FL	Replacement Lamp - MR16	50.29	5.85	584 CBCP	3007	85	No	**Replaces up to 20 watt- 35° Flood**
Lighting Science Group	DFN-16-WW-NFL	Replacement Lamp - MR16	45.22	6	768 CBCP	2975	86.2	No	**Replaces up to 20 watt- 30° Flood**
Lighting Science Group	DFN-20-W27-NFL-B	Replacement Lamp - PAR20	40.41	7.58	1042 CBCP	2783	86.6	No	**Replaces up to 40 watt**
Lighting Science Group	DFN-20-WW-FL	Replacement Lamp - PAR20	41.87	7.9	650 CBCP	3062	86.9	No	**Replaces up to 40 watt- 40° Flood**
Lighting Science Group	DFN-20-WW-NFL	Replacement Lamp - PAR20	40	8.2	1057 CBCP	3049	86.7	No	**Replaces up to 40 watt- 25° Flood**
Lighting Science Group	DFN-30-NW-FL	Replacement Lamp - PAR30	51.1	15.3	1476 CBCP	3865	87.6	No	**Replaces up to 75 watt- 40° Flood**
Lighting Science Group	DFN-30-NW-NFL	Replacement Lamp - PAR30	54.9	15.2	3216 CBCP	4022	88	No	**Replaces up to 75 watt- 25° Flood**
Lighting Science Group	DFN-30-NW-SP	Replacement Lamp - PAR30	53.9	15.3	6114 CBCP	4025	88.3	No	**Replaces up to 75 watt- 20° Spot**

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Lighting Science Group	DFN-30-W27-FL	Replacement Lamp - PAR30	47.9	15	2932 CBCP	2729	85.1	No	**Replaces up to 60 watt**
Lighting Science Group	DFN-30-W27-SP	Replacement Lamp - PAR30	46.95	15.18	5203 CBCP	2752.5	84.9	No	**Replaces up to 60 watt**
Lighting Science Group	DFN-30-WW-FL	Replacement Lamp - PAR30	49.61	14.84	1295 CBCP	3029	87.6	No	**Replaces up to 60 watt- 40° Flood**
Lighting Science Group	DFN-30-WW-NFL	Replacement Lamp - PAR30	49.65	14.66	3056 CBCP	3069	88	No	**Replaces up to 60 watt- 25° Flood**
Lighting Science Group	DFN-30-WW-SP	Replacement Lamp - PAR30	50.4	14.67	4509 CBCP	3083	87	No	**Replaces up to 60 watt- 20° Spot**
Lighting Science Group	DFN-38-NW-FL	Replacement Lamp - PAR38	51	18.4	1766 CBCP	4002	87.6	No	**Replaces up to 90 watt- 40° Flood**
Lighting Science Group	DFN-38-NW-NFL	Replacement Lamp - PAR38	53.7	18	4099 CBCP	3959	87.7	No	**Replaces up to 90 watt- 25° Flood**
Lighting Science Group	DFN-38-NW-SP	Replacement Lamp - PAR38	54.2	18.3	6977 CBCP	4000	86.7	No	**Replaces up to 90 watt- 20° Spot**
Lighting Science Group	DFN-38-W27-NFL	Replacement Lamp - PAR38	47.18	18.18	3493 CBCP	2749.5	84.9	No	**Replaces up to 75 watt**
Lighting Science Group	DFN-38-W27-SP	Replacement Lamp - PAR38	46.88	18.19	6054 CBCP	2779	86.1	No	**Replaces up to 75 watt**
Lighting Science Group	DFN-38-WW27-FL	Replacement Lamp - PAR38	47.8	18	1559 CBCP	2777	84.6	No	**Replaces up to 75 watt- 40° Flood**
Lighting Science Group	DFN-38-WW-FL	Replacement Lamp - PAR38	45	18.8	1481 CBCP	3052	86.9	No	**Replaces up to 75 watt- 40° Flood**
Lighting Science Group	DFN-38-WW-NFL	Replacement Lamp - PAR38	44.7	18.9	3147 CBCP	3064	86.8	No	**Replaces up to 75 watt- 25° Flood**
Lighting Science Group	DFN-38-WW-SP	Replacement Lamp - PAR38	45.5	18.8	5352 CBCP	3067	86.8	No	**Replaces up to 75 watt- 20° Spot**
Lithonia	ALX1 14000L SR5	Outdoor pole/arm-mounted area and roadway luminaires	56.47	223.3	12616	4909.1	70.2	No	
Lithonia	ALX1 14000L SR4	Outdoor pole/arm-mounted area and roadway luminaires	50.89	224.2	11410	4891.8	70.5	No	

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Lithonia	ALX1 14000L SR3	Outdoor pole/arm-mounted area and roadway luminaires	52.95	225.1	11920	4832.9	68.8	No	
Lithonia	OLW14	Outdoor Wall-Mounted Area Luminaire	54.29	26.45	1436	5470	77	No	**Approved in all colors**
LSI Industries	CR03 A LED 84 550 CW	Garage/Canopy	69.8	156.3	10904	N/A	N/A	Yes	
LSI Industries	CR03 ES LED 128 450 CW	Garage/Canopy	74	192..6	14243	N/A	N/A	Yes	
LSI Industries	CRO3 ES LED 64 350 CW	Garage/Canopy	78.6	72.9	5730	5178	70	Yes	
LSI Industries	CRO3 A LED 64 350 CW UE	Garage/Canopy	83	73.3	6,089	5,116	67	Yes	
LSI Industries	CRO3 A LED 84 550 CW UE	Garage/Canopy	64	159.1	10,220	5,135	67	Yes	
LSI Industries	CRO3 ES LED 128 450 CW UE	Garage/Canopy	69.1	192.4	13,327	5,087	67	Yes	
LSI Industries	CRO3 ES LED 64 350 CW UE	Garage/Canopy	78.6	72.9	5,730	5,178	70	Yes	
LSI Industries	CRO3 S LED 64 350 CW UE	Garage/Canopy	87.3	72.9	6,381	5,264	70	Yes	
LSI Industries	XAM 3 LED 119 CW UE	Outdoor pole/arm-mounted area and roadway luminaires	69.1	136.2	9,411	5,536	67	No	
LSI Industries	XAM/XRM/XAWM FT LED 119 CW UE (350 mA)	Outdoor pole/arm-mounted area and roadway luminaires	72.7	140.6	10,215	6,223	70	No	
LSI Industries	XAM/XRM/XAWM FT LED 63 CW UE (350 mA)	Outdoor pole/arm-mounted area and roadway luminaires	69.4	77.1	5,347	6,320	68	No	
LSI Industries	XAS 3 LED 63 CW UE	Outdoor pole/arm-mounted area and roadway luminaires	66	73.6	4,856	5,491	69	No	
LSI Track	LX-2024-D3-L2	Track or Mono-point Directional Lighting Fixtures	32	25.9	830	3072	81	Yes	
LSI Track	LX-2024-D3-M2	Track or Mono-point Directional Lighting Fixtures	33.2	25.9	861	3072	81	Yes	

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LSI Track	LX-2024-D3-M4	Track or Mono-point Directional Lighting Fixtures	32.9	25.9	853	3072	81	Yes	
LSI Track	LX-2024-D3-M6	Track or Mono-point Directional Lighting Fixtures	33	25.9	855	3072	81	Yes	
MaxLite	MLLWP40LED50	Outdoor Wall-Mounted Area Luminaire	49.89	39.55	1973	5298	68.3	No	
MaxLite	MLGAR40LED50	Parking garage luminaires	79.9	39.55	3160	5233	69.9	No	
Mester	MS-PAR38-12B	Replacement Lamp - PAR38	49.7	15.663	2321 CBCP	3117	83	No	**Replaces up to 75 watt- 30 °, This product is OEM'd to several manufacturers**
MSi SSL	iPAR3827101- 10° beam	Replacement Lamp - PAR38	46.9	16.4	18556 CBCP	2699	80.6	No	**Replaces up to 90 watt- 10° Spot**
MSi SSL	iPAR3827161- 16° beam	Replacement Lamp - PAR38	48.3	16.33	8174 CBCP	2744	80.1	No	**Replaces up to 90 watt- 16° Flood**
MSi SSL	iPAR3827221- 22° beam	Replacement Lamp - PAR38	48.3	16.26	5371 CBCP	2719	80.3	No	**Replaces up to 90 watt- 22° Flood**
MSi SSL	iPAR3830161N-SW	Replacement Lamp - PAR38	51.65	12.47	6285 CBCP	2986.1	82	No	**Dedicated 12 watt version, Special Order Replaces up to 50 watt - 13°**
Nexxus/Array	AACMMR162715	Replacement Lamp - MR16	50.6	6.25	2602 CBCP	2700	84	No	**Replaces up to 30 watt- 20° Flood**
Nexxus/Array	AACMMR162725	Replacement Lamp - MR16	50.8	6.24	1638 CBCP	2677	84	No	**Replaces up to 25 watt- 22° Flood**
Nexxus/Array	AACMMR163015	Replacement Lamp - MR16	53.6	6.19	2693 CBCP	2,867	83	No	**Replaces up to 35 watt- 20° Flood**
Nexxus/Array	AACMMR165025	Replacement Lamp - MR16	50.6	6.19	1747 CBCP	2,848	84	No	**Replaces up to 25 watt- 20° Flood**
Nexxus/Array	AE26PAR38183010	Replacement Lamp - PAR38	46.02	19.7	15018 CBCP	3063	84.9	No	**Replaces up to 75 watt- 10° Flood**
Nexxus/Array	AE26PAR38183025	Replacement Lamp - PAR38	49.49	19.9	5125 CBCP	3055	84.8	No	**Replaces up to 75 watt- 20° Flood**
NUALIGHT	Alto 500 Ultra	Refrigerated Case Lighting	49.6	30.76	1525.3	3852	80.4	No	**Approved in all lengths - MW (4000K) Only**

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NUALIGHT	Largo 500 Ultra	Refrigerated Case Lighting	43	19.6	842.9	3896	81.4	No	**Approved in all lengths - MW (4000K) Only**
Osram Sylvania	LED55RETROFIT/750/T5M/D6	Outdoor pole/arm-mounted Area luminaires, R**etro-fit Kits**	51.7	52.8	2727	4994	78.3	No	**Data from Kim Archetype Shoebox (consult Manufacturer for fit in other fixtures)**
Osram Sylvania	LED55RETROFIT/750/T5M/D6	Outdoor pole/arm-mounted Decorative luminaires, R**etro-fit Kits**	57.3	55	2998	4661	79.7	No	**Data from GE Patriarch (consult Manufacturer for fit in other fixtures)**
Osram Sylvania	LED6MR16/DIM/830/FL36	Replacement Lamp - MR16	45.9	6.2	574 CBCP	2957	85	No	**Replaces up to 20 watt- 35° Flood**
Osram Sylvania	LED6MR16/DIM/830/NFL25	Replacement Lamp - MR16	46.6	5.1	855 CBCP	2993	87.2	No	**Replaces up to 20 watt- 25° Flood**
Osram Sylvania	LED8PAR20/DIM/830/FL36	Replacement Lamp - PAR20	41.5	8.3	699CBCP	3055	84.2	No	**Replaces up to 50 watt- 36° Flood**
Osram Sylvania	LED8PAR20/DIM/830/NFL25	Replacement Lamp - PAR20	41.4	8.3	1260 CBCP	2966	84.2	No	**Replaces up to 50 watt- 25° Flood**
Osram Sylvania	LED15PAR30LN/DIM/827/FL40	Replacement Lamp - PAR30	47.44	14.75	1421 CBCP	2782	84.6	No	**Replaces up to 50 watt- 40° Flood**
Osram Sylvania	LED15PAR30LN/DIM/827/NFL25	Replacement Lamp - PAR30	46.5	14.88	2916 CBCP	2742	84.5	No	**Replaces up to 50 watt- 25° Flood**
Osram Sylvania	LED15PAR30LN/DIM/830/FL40	Replacement Lamp - PAR30LN	49.2	14.6	1316 CBCP	3026	88.9	No	**Replaces up to 50 watt- 40° Flood**
Osram Sylvania	LED15PAR30LN/DIM/830/NFL25	Replacement Lamp - PAR30LN	51.7	14.5	2889 CBCP	3073	88.7	No	**Replaces up to 50 watt- 25° Flood**
Osram Sylvania	LED18PAR38/DIM/827/FL40	Replacement Lamp - PAR38	47.9	17.97	1608 CBCP	2791	84	No	**Replaces up to 75 watt- 40° Flood**
Osram Sylvania	LED18PAR38/DIM/827/NFL25	Replacement Lamp - PAR38	48.2	17.89	3682 CBCP	2789	84	No	**Replaces up to 75 watt- 25° Flood**
Osram Sylvania	LED18PAR38/DIM/830/FL40	Replacement Lamp - PAR38	44.9	18.5	1503 CBCP	3053	86.9	No	**Replaces up to 75 watt- 40° Flood**
Osram Sylvania	LED18PAR38/DIM/830/NFL25	Replacement Lamp - PAR38	45.8	18.3	3137 CBCP	3063	86.8	No	**Replaces up to 75 watt- 25° Flood**
Osram Sylvania	78628	Retrofit kit for pole/arm-mounted area and roadway luminaires	51.66	52.79	2727	4944	78.3	Yes	

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Philips Lighing	13PAR38/END/F15/3K	Replacement Lamp - PAR38	48.68	12.8	6969 CBCP	3010	83.3	No	**Replaces up to 75 watt- 15° Flood**
Philips Lighting	4MR16/END/2700 12V	Replacement Lamp - MR16	43.3	3.71	729 CBCP	2742	82.1	No	**Replaces up to 15W**
Philips Lighting	4MR16/END/3000 12V	Replacement Lamp - MR16	45.01	3.67	766 CBCP	3009	82.6	No	**Replaces up to 15W**
Philips Lighting	4MR16/END/4000 12V	Replacement Lamp - MR16	52.18	3.49	750 CBCP	3868	83.3	No	**Replaces up to 15W**
Philips Lighting	12PAR30S/END/F22 2700 DIM	Replacement Lamp - PAR30	57.1	11.65	2695 CBCP	2809	85	No	**Replaces up to 60 watt- 22° Flood (SKU # 046677-410117)**
Philips Lighting	12PAR30S/END/F22 3000 DIM	Replacement Lamp - PAR30	61.19	11.56	2944 CBCP	3027	85.9	No	**Replaces up to 65 watt- 22° Flood (SKU # 046677-410124)**
Philips Lighting	12PAR30L/END/F22 2700 DIM	Replacement Lamp - PAR30LN	58.14	11.58	2855 CBCP	2807	85.5	No	**Replaces up to 60 watt- 22° Flood (SKU # 046677-410148)**
Philips Lighting	12PAR30L/END/F22 3000 DIM	Replacement Lamp - PAR30LN	62.48	11.59	2911 CBCP	3034	85.6	No	**Replaces up to 65 watt- 22° Flood (SKU # 046677-410155)**
Philips Lighting	17PAR38/END/F22 2700 DIM	Replacement Lamp - PAR38	52.42	16.99	4321 CBCP	2794	85.5	No	**Replaces up to 85 watt- 22° Flood (SKU # 046677-410179)**
Philips Lighting	17PAR38/END/F22 3000 DIM	Replacement Lamp - PAR38	55.94	16.78	3937 CBCP	3028	85.4	No	**Replaces up to 75 watt- 22° Flood (SKU # 046677-410186)**
Philips Lightolier	LLA0127WH, LLA01RF	Track or Mono-point Directional Lighting Fixtures	43.43	14.65	636.2	2784	84.2	Yes	
Philips Lightolier	LLA0127WH, LLA01RFSOL	Track or Mono-point Directional Lighting Fixtures	43.5	14.65	637.3	2782	84.2	Yes	
Philips Lightolier	LLA0127WH, LLA01RNF	Track or Mono-point Directional Lighting Fixtures	43.11	14.65	631.6	2780	84.1	Yes	
Philips Lightolier	LLA0127WH, LLA01RNFSOL	Track or Mono-point Directional Lighting Fixtures	43.02	14.65	630.3	2785	84.1	Yes	
Philips Lightolier	LLA0127WH, LLA01RS	Track or Mono-point Directional Lighting Fixtures	41.97	14.64	614.4	2782	84.2	Yes	
Philips Lightolier	LLA0127WH, LLA01RSSOL	Track or Mono-point Directional Lighting Fixtures	42.08	14.67	617.3	2786	84.1	Yes	

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Philips Lightolier	LLA1127WH, LLA11RF	Track or Mono-point Directional Lighting Fixtures	41.9	23.36	978.8	2765	83.4	Yes	
Philips Lightolier	LLA1127WH, LLA11RFSOL	Track or Mono-point Directional Lighting Fixtures	49.01	23.37	960.3	2762	83.4	Yes	
Philips Lightolier	LLA1127WH, LLA11RNF	Track or Mono-point Directional Lighting Fixtures	41.56	23.35	970.4	2763	83.4	Yes	
Philips Lightolier	LLA1127WH, LLA11RNFSOL	Track or Mono-point Directional Lighting Fixtures	41.11	23.36	960.3	2761	83.4	Yes	
Philips Lightolier	LLA1127WH, LLA11RS	Track or Mono-point Directional Lighting Fixtures	41.69	23.34	973.1	2769	83.5	Yes	
Philips Lightolier	LLA1127WH, LLA11RSSOL	Track or Mono-point Directional Lighting Fixtures	41.32	23.36	965.3	2765	83.4	Yes	
Philips Lumec	GPLM-180W98LED4K-LE2	Outdoor pole/arm-mounted area and roadway luminaires	55.9	204.6	11447	4168	68.3	Yes	
Philips Lumec	GPLM-180W98LED4K-LE3	Outdoor pole/arm-mounted area and roadway luminaires	55	204	11220	4168	68.3	Yes	
Philips Lumec	GPLM-180W98LED4K-LE4	Outdoor pole/arm-mounted area and roadway luminaires	55	205	11281	4223	68.6	Yes	
Philips Lumec	GPLM-180W98LED4K-LEH2	Outdoor pole/arm-mounted area and roadway luminaires	56.2	204.7	11505	4150	67.9	Yes	
Philips Lumec	GPLS-90W49LED4K-LE2	Outdoor pole/arm-mounted area and roadway luminaires	56	101.5	5686	4167	68.3	Yes	
Philips Lumec	GPLS-90W49LED4K-LE3	Outdoor pole/arm-mounted area and roadway luminaires	54.8	101.7	5571	4049	67.4	Yes	
Philips Lumec	GPLS-90W49LED4K-LEDH2	Outdoor pole/arm-mounted area and roadway luminaires	56.8	101.3	5756	4167	68.3	Yes	
Philips Lumec	S55-90W49LED4K-LE3	Outdoor pole/arm-mounted decorative luminaires	50.8	101.93	5183	4083	65	Yes	
Q-Technology	4160-120-CP-35	Refrigerated Case Lighting	50	15.2	201.1(lm/ft)	3500	83.4	Yes	**This product is OEM'd to several refrigerator case manufacturers**
Q-Technology	4160-120-LP-35	Refrigerated Case Lighting	78.5	7.6	156.97(lm/ft)	3500	81.9	Yes	**This product is OEM'd to several refrigerator case manufacturers**

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Q-Technology	5160-120-CP-35	Refrigerated Case Lighting	50.6	14.7	148.6 (lm/ft)	3463	82.9	No	**This product is OEM'd to several refrigerator case manufacturers**
Q-Technology	5160-120-L	Refrigerated Case Lighting	57.1	7.9	95.98(lm/ft)	4500	73.6	Yes	**This product is OEM'd to several refrigerator case manufacturers**
Q-Technology	5160-120-LP/RP-35	Refrigerated Case Lighting	83.7	7.4	124 (lm/ft)	3492	80.2	No	**This product is OEM'd to several refrigerator case manufacturers**
Q-Technology	6160-120-CP-35	Refrigerated Case Lighting	46.2	17.8	137 (lm/ft)	3667	83.6	No	**This product is OEM'd to several refrigerator case manufacturers**
Q-Technology	6160-120-LP/RP-35	Refrigerated Case Lighting	70.9	9	106.3 (lm/ft)	3707	80	No	**This product is OEM'd to several refrigerator case manufacturers**
Rab Lighting	WPLED13	Outdoor Wall-Mounted Area Luminaire	71.4	14.9	1064	4828	65.9	Yes	
Rab Lighting	WPLED20	Outdoor Wall-Mounted Area Luminaire	46	22.4	1030	5584	70.3	No	
Rab Lighting	CLED/PLED 2x20	Parking garage luminaires	64.3	43	2764	5099	68.7	No	
S3J	WSL720A-104277	Outdoor pole/arm-mounted area and roadway luminaires	62.4	107.4	6700	4507	64.6	No	
SANSI	C0820	Outdoor pole/arm-mounted area and roadway luminaires	74.68	185.9	13883	4288	68.8	Yes	
SANSI	Ultra 3	Outdoor pole/arm-mounted area and roadway luminaires	77.01	62.72	4830	5034	69.3	Yes	
Sharp	DL-L12P3030A	Replacement Lamp - PAR30	57.73	10.64	2736 CBCP	3174	82.6	No	**Replaces up to 50 w - 25 degree**
Sharp	DL-L12P3040A	Replacement Lamp - PAR30	59.96	10.99	3008 CBCP	4159	85.8	No	**Replaces up to 50 w - 25 degree**
Sharp	DL-L12P3L30A	Replacement Lamp - PAR30LN	56.81	10.98	2778 CBCP	3105	84.1	No	**Replaces up to 50 w - 25 degree**
Sharp	DL-L-16P3830A	Replacement Lamp - PAR38	44.6	15.9	3417 CBCP	2984	87.5	No	**Replaces up to 75 watt- 25° Flood**
Sharp	DL-L-16P3840A	Replacement Lamp - PAR38	49.2	16	3673 CBCP	4065	90.3	No	**Replaces up to 75 watt- 25° Flood**

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Sharp	DL-L-20P3830A	Replacement Lamp - PAR38	44.9	19.9	4051 CBCP	2988	87.6	No	**Replaces up to 90 watt- 25° Flood**
Sharp	DL-L-20P3840A	Replacement Lamp - PAR38	46.8	20.3	4157 CBCP	4070	90.6	No	**Replaces up to 90 watt- 25° Flood**
Solais	LR30/10/30/750	Replacement Lamp - PAR30	47.6	15.48	15120 CBCP	3083	81.4	No	**Replaces up to 60 w - 10 degree**
Solais	LR30/25/30/750	Replacement Lamp - PAR30	49.1	15.66	4319 CBCP	3099	81.6	No	**Replaces up to 60 w - 25 degree**
Solais	LR30LN/10/30/850	Replacement Lamp - PAR30LN	47.7	17.44	17787 CBCP	3079	81.2	No	**Replaces up to 75 w - 10 degree**
Solais	LR30LN/25/30/850	Replacement Lamp - PAR30LN	48.5	17.52	4833 CBCP	3076	82.6	No	**Replaces up to 75 w - 25 degree**
Solais	LR38/25/30/1000	Replacement Lamp - PAR38	46.6	21.03	5770 CBCP	3073	81.2	No	**Replaces up to 75 w -25 degree**
Spectrum	LAMP/LED/PAR38/16W/4K	Replacement Lamp - PAR38	58.6	15.88	4271 CBCP	4025	82.7	No	**Replaces up to 75 watt- 22° Flood**
USLED	ESXP-48-25-24-D30-50CR-R	Refrigerated Case Lighting	56.4	11.8	166 (lm/ft)	5027	71.4	No	**Also Approved 4' Left Fixture**
USLED	ESXP-48-25-24-D48-50CR-C	Refrigerated Case Lighting	62.3	19.1	297.8 (lm/ft)	5398	77.9	No	**4' Center Fixture**
USLED	ESXP-60-25-24-D30-50CR-R	Refrigerated Case Lighting	59.7	15.5	185 (lm/ft)	5043	70-.7	No	**Also Approved 5' Left Fixture**
USLED	ESXP-60-25-24-D48-50CR-C	Refrigerated Case Lighting	57.3	25.5	292.2 (lm/ft)	5341	72.7	No	**5' Center Fixture**
Voight	TE-300	Outdoor pole/arm-mounted area and roadway luminaires	51.2	153.7	7875	4321	69.4	No	**7520 lm - 4,100/5,000K only**
WideLite	VZ24-60-B-QV-EZ-ASA	Parking garage luminaires	64.5	68.3	4411	4009	64	No	
WideLite	VZ38-100-B-120-EZ-ASA	Parking garage luminaires	64.3	112.8	7230	4179	66	No	