

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
2' Linear Replacement	ESL Vision, LLC	ESL-2G11-15W	4500 K	14.9	109.6	1634	1600	No	82.3	09/30/14
		ESL-T8U-15W	4500 K	15.4	113.4	1750	NA	No	83.4	09/30/14
	Nuovoled	Brillia TM35F	3500 K	9.1	98.3	800	NA	No	80.7	11/24/14
	Philips	8.5T8/24-3000 IF 10/1	3000 K	8.0	127.1	950	NA	No	82.4	08/29/14
		8.5T8/24-3500 IF 10/1	3500 K	7.6	137.5	1000	NA	No	82.6	08/29/14
		8.5T8/24-4000 IF 10/1	4000 K	7.6	141.8	1050	NA	No	82.8	08/29/14
		8.5T824-5000 IF 101	5000 K	7.6	147.4	1100	NA	No	82.7	08/29/14
Total										
4' Linear Replacement	Altruen	ALT8B-12S-6E	6500 K	17.6	114.7	1890	NA	No	85.6	10/31/12
	Beyond LED Technology	102426	7000 K	21.0	119.2	2503	NA	No	83.6	11/03/14
		101642-1	7600 K	21.3	111.9	2640	NA	No	80.0	12/16/14
		101642	7600 K	21.3	111.9	2640	NA	No	80.0	12/16/14
	DiVi Energy, LLC	RDM-T810-120	4500 K	10.0	116.5	1000	NA	No	83.7	07/01/15
		RDM T818 120 1A	4500 K	17.6	106.1	1800	NA	No	82.1	07/01/15
		RDM-T822-120	4000 K	22.0	106.4	2200	NA	No	82.6	07/01/15
	ESL Vision, LLC	ESL-T8-15W-4	5000 K	14.8	114.3	1700	NA	No	83.0	07/29/15
	Independence LED	R2-42950K-85-F	5000 K	55.2	108.0	5800	NA	Yes	82.5	02/09/15
	LEDExpert	EBT8M4-22W-E3000K	3000 K	21.8	108.2	2200	NA	No	82.9	11/24/14
	Light Efficient Design	LED-6252-4-4-N-DL	6000 K	66.2	95.6	6800	NA	No	82.0	10/31/12
	Philips	10.5T8/36-3000 IF 10/1	3000 K	10.3	116.1	1100	NA	No	82.2	11/03/14
		10.5T8/36-3500 IF 10/1	3500 K	10.1	123.4	1160	NA	No	82.5	11/03/14
		10.5T8/36-5000 IF 10/1	5000 K	10.0	134.7	1270	NA	No	82.5	11/03/14
		10.5T8/36-4000 IF 10/1	4000 K	10.0	127.5	1200	NA	No	83.1	11/03/14
		12T8/48-3000 IF 10/1	3000 K	9.8	109.1	1500	NA	No	82.7	07/23/15
	TCP	LED15T84IS35K	3500 K	17.0	106.2	1600	NA	No	83.0	02/09/15
Total										
4' Linear Replacement (uses existing ballast, No Re-Wiring necessary)	ESL Vision, LLC	ESL-T8BC-16W-40	4000 K	16.2	114.1	1840	NA	No	83.7	01/06/15
		GE Lighting	LED16ET84850	5000 K	16.0	103.1	1700	NA	No	86.0
	GE Lighting	LED16ET8/4/840	4000 K	16.0	97.1	1700	NA	No	85.0	03/17/15
		LED16ET8/4/835	3500 K	16.0	107.6	1600	NA	No	84.0	03/17/15
(uses existing ballast, No Re-Wiring necessary) Total										
A	GE Lighting	LED11DAV3/827W	2700 K	10.0	80.9	800	NA	Yes	82.0	06/30/15

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Lamp Type	Manufacturer	Model Number	CCT	Input Wattage	Efficacy LPW	Rated Lumens	Rated CBCP	Dimmable	CRI	Post Date
A	GE Lighting	LED10LS3/5K/96	5000 K	9.2	80.7	760	NA	No	84.0	07/10/15
		LED10LS3/828	2850 K	9.4	82.3	760	NA	No	81.0	07/06/15
	Philips	9290002704	2700 K	7.7	68.3	450	NA	Yes	82.3	10/02/14
	Shenzhen Wellking Lighting co.	WK-BL-D24	6100 K	9.6	88.6	852.38	NA	Yes	82.7	11/24/14
A15	Ningbo Baishi Electric	Polaroid PLB10E12-40-300.5.1D	3000 K	4.4	76.4	300	NA	Yes	81.5	11/18/14
A17	Archipelago Lighting, Inc.	LTA17C35027K1	2700 K	3.2	121.5	350	NA	Yes	81.4	02/09/15
		LTA17C20027K1	2700 K	1.8	119.2	200	NA	Yes	81.9	02/09/15
A19	3M Company	RCA19-C4	4000 K	8.0	102.1	750	NA	Yes	82.2	05/14/15
		RCA19-C3	3000 K	8.1	91.7	750	NA	Yes	82.8	05/14/15
		A19-Z3	3000 K	7.0	68.1	450	NA	Yes	82.6	05/14/15
		A19-Y3	3000 K	9.7	86.2	800	NA	Yes	82.6	05/14/15
	DiVi Energy, LLC	HTAD1206	4500 K	10.6	90.2	950	NA	Yes	84.3	03/03/15
	ESL Vision, LLC	ESL-A19-9W-D27	2700 K	9.5	86.3	800	NA	Yes	82.0	03/13/15
		ESL-A19-9.5W-140	4000 K	9.4	90.7	850	NA	Yes	84.8	03/13/15
		ESL-A19-9.5W-130	3000 K	9.5	87.0	800	NA	Yes	83.5	03/13/15
		ESL-A21-13W-150	5000 K	12.1	105.8	1235	NA	Yes	82.6	06/02/15
	GE Lighting	LED11DA19V2STPSC	2700 K	11.2	75.0	800	NA	Yes	81.6	10/30/14
LED7DAV3/827W		2700 K	7.3	73.5	470	NA	Yes	81.0	04/15/15	

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Lamp Type	Manufacturer	Model Number	CCT	Input Wattage	Efficacy LPW	Rated Lumens	Rated CBCP	Dimmable	CRI	Post Date
A19	GE Lighting	LED11DAV3/827W	2700 K	10.0	80.9	800	NA	Yes	82.0	04/15/15
		LED11DA19/824	2400 K	10.7	79.4	800	NA	Yes	83.7	07/10/15
		LED7DA19/824	2400 K	6.8	76.0	450	NA	Yes	83.9	07/10/15
	Green Creative	9A19G4DIM/827	2700 K	8.8	101.2	800	NA	Yes	81.9	08/21/14
		9A19G4DIM/830	3000 K	8.5	99.2	800	NA	Yes	83.3	08/21/14
		9A19G4DIM/840	4000 K	9.4	102.4	800	NA	Yes	84.4	08/21/14
		9A19G4/827/277V	2700 K	9.2	96.4	800	NA	No	81.3	08/29/14
		9A19G4/840/277V	4000 K	9.2	102.6	850	NA	No	84.0	08/29/14
		6.5A19G4DIM/827	2700 K	7.4	70.8	470	NA	Yes	84.6	10/02/14
		6.5A19G4DIM/830	3000 K	6.7	76.6	480	NA	Yes	85.2	10/02/14
		9A19G4DIM/824	2400 K	9.0	92.2	700	NA	Yes	80.3	01/14/15
		9.5A19G4DIM840GU24	4000 K	8.9	115.0	850	NA	Yes	82.1	02/10/15
		9.5A19G4DIM830GU24	3000 K	9.0	99.7	800	NA	Yes	83.2	02/10/15
		9.5A19G4DIM827GU24	2700 K	9.1	96.8	800	NA	Yes	82.4	02/10/15
		11A19G4DIM/927/GU24	2700 K	10.5	82.6	800	NA	Yes	94.1	02/10/15
		8.5A19G4/827	2700 K	8.3	104.3	800	NA	No	81.0	02/09/15
		Main Power Electrical(Gui Yang) Co., Ltd.	MPL 103M600	6500 K	10.0	96.8	960	NA	No	84.5
	MPL 106		6500 K	7.0	91.1	640	NA	No	85.5	10/14/14
	MPL 105D		6500 K	9.1	97.7	880	NA	No	84.6	10/14/14
	Overdrive Electronics	L6A19DIM/30K	3000 K	5.5	94.4	520	140	Yes	80.9	07/01/15
		L10A19DIM50K	5000 K	9.4	107.2	1000	260	Yes	82.4	06/30/15
		L10A19DIM/30K	3000 K	9.9	103.9	930	230	Yes	82.0	07/30/15
		L6A19DIM/50K	5000 K	5.3	111.7	545	145	Yes	83.0	07/30/15
	Osram Sylvania	LED11A19/DIM/O/827/G3	2700 K	10.7	84.7	800	NA	Yes	82.0	09/25/14
		LED7A19/DIM/O/827/G3	2700 K	7.0	70.2	450	NA	Yes	83.9	09/25/14
		LED6A19F827G2	2700 K	6.4	81.5	450	NA	No	82.0	10/29/14
		LED13A19/DIM/O/827/G3	2700 K	13.1	91.0	1100	NA	Yes	82.5	02/09/15
		LED17A21/DIM/O/827/G3	2700 K	16.8	98.5	1600	NA	Yes	81.6	02/09/15
	SMART ENERGY SOLUTIONS	SES-A60-8W	6849 K	7.6	79.9	79.86	NA	No	85.8	03/13/15
	TCP	LED11E26SA1941K	4100 K	9.9	88.9	850	NA	Yes	85.0	08/29/14
		LED10A1941K	4100 K	9.6	109.7	850	NA	No	82.0	09/12/14
		LED7A19DOD30K	3000 K	6.7	71.7	475	NA	Yes	84.0	09/25/14
	Verbatim Americas	A19-L810-C30-B220-R	3000 K	9.8	90.1	810	NA	No	83.2	08/29/14
		A19-L485-C30-B220-R	3000 K	6.6	86.3	485	NA	No	82.4	09/24/14
		A-L810-C30-B220-D	3000 K	9.2	95.3	810	NA	Yes	85.0	01/06/15
		A19-L810-C50-B220-D	5000 K	10.2	97.2	810	NA	Yes	82.8	05/12/15
		A19-L810-C30-B220-D	3000 K	10.0	94.2	810	NA	Yes	81.3	05/12/15

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A19	Verbatim Americas	A19-L485-C50-B220-D	5000 K	6.7	96.9	485	NA	Yes	82.7	05/12/15	
		A19-L485-C30-B220-D	3000 K	6.6	90.4	485	NA	Yes	81.4	05/12/15	
	Viribright Lighting	A95GU6-5	6000 K	9.0	89.5	800	NA	Yes	95.8	08/19/15	
		A95GU4-5	4000 K	9.4	92.6	855	NA	Yes	95.7	08/19/15	
		A95GU2-5	2700 K	9.4	88.2	800	NA	Yes	92.5	08/19/15	
		A95EU6-5	6000 K	9.0	89.5	800	NA	Yes	95.8	08/19/15	
		A95EU4-5	4000 K	9.4	92.6	855	NA	Yes	95.7	08/19/15	
		A95EU2-5	2700 K	9.4	88.2	800	NA	Yes	92.5	08/19/15	
		A08EU6-5	6000 K	7.9	93.8	720	NA	Yes	95.8	08/19/15	
		A08EU2-5	2700 K	8.0	93.7	720	NA	Yes	91.1	08/19/15	
A08EU4-5	4000 K	7.9	96.5	720	NA	Yes	94.2	08/19/15			
A21	ESL Vision, LLC	ESL-A21-13W-130	3000 K	12.1	95.7	1125	NA	Yes	81.9	05/27/15	
		ESL-A21-13W-127	2700 K	12.0	8039.0	950	NA	Yes	82.0	05/27/15	
		ESL-A21-13W-140	4000 K	12.3	93.4	1150	NA	Yes	84.0	06/02/15	
	GE Lighting	LED14DA21/827W	2700 K	14.9	77.9	1100	NA	Yes	80.0	03/17/15	
		TCP	LED18A21DOD27K	2700 K	17.3	95.6	1600	NA	Yes	83.4	09/25/14
			LED18A21DOD30K	3000 K	17.1	92.5	1625	NA	Yes	84.0	09/25/14
			LED18A21DOD41K	4100 K	16.8	100.9	1650	NA	Yes	85.0	09/25/14
			LED18A21DOD50K	5000 K	17.3	101.3	1675	NA	Yes	84.0	09/25/14
			LED13A21DOD27K	2700 K	13.3	91.6	1100	NA	Yes	83.5	10/29/14
B10	Ningbo Baishi Electric	Polaroid PLB10E26-40-300.5.1D	3000 K	4.4	77.2	300	NA	Yes	82.5	11/18/14	
		Polaroid PLB10E12-40-300.5.7D	2700 K	4.4	70.1	300	NA	Yes	82.7	11/18/14	

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B10	Ningbo Baishi Electric	Polaroid PLB10E26-40-300.5.7D	2700 K	4.3	77.8	300	NA	Yes	82.4	12/02/14
	Osram Sylvania	LED4B10C/BLUNT/DIM/725	2500 K	3.5	60.5	200	NA	Yes	79.0	08/21/14
B13	Osram Sylvania	LED6B13C/BLUNT/DIM/827/G2	2700 K	5.7	70.8	350	NA	Yes	82.0	03/03/15
BR/R 20	Green Creative	6.5R20G4DIM/824	2400 K	5.8	89.0	450	NA	Yes	80.7	06/11/15
BR/R 30	ESL Vision, LLC	ESL-BR30-12W-40	4000 K	13.1	71.9	900	NA	Yes	81.5	03/13/15
	ETI	52501202	2700 K	10.7	71.8	750	245	Yes	83.2	08/29/14
		52501241	4000 K	10.5	80.1	830	265	Yes	87.0	08/29/14
	Green Creative	8BR30G4DIM/827	2700 K	8.0	87.2	650	NA	Yes	83.1	08/29/14
		8BR30G4DIM/824	2400 K	8.3	83.9	585	NA	Yes	81.1	01/06/15
	Ningbo Baishi Electric	Polaroid PLBR30-65.650.9.1D	3000 K	9.3	73.2	650	195	Yes	82.2	09/15/14
Philips	9.5BR30/SLIM/2700 DIM	2700 K	8.8	77.7	650	NA	Yes	81.6	09/25/14	
BR/R 40	Green Creative	9BR40G4DIM/824	2400 K	8.4	85.1	650	NA	Yes	81.5	06/12/15
	Ningbo Baishi Electric	Polaroid PLBR40-75.1050.15.1D	3000 K	15.8	72.9	1050	346	Yes	81.5	09/15/14
		Polaroid PLBR40-75.1050.15.7D	2700 K	14.9	73.8	1050	345	Yes	81.7	12/02/14
CA	Archipelago Lighting, Inc.	LTCA26C20027K1	2700 K	1.8	125.5	200	NA	Yes	81.8	08/05/15
Candle	Archipelago Lighting, Inc.	LTCA12C20027K1	2700 K	1.8	125.5	200	NA	Yes	81.8	02/09/15
		LTC7C5027K1	2700 K	0.7	89.1	50	NA	Yes	80.6	08/05/15
	Green Creative	4.5B11G4DIM/824	2400 K	4.5	62.9	275	NA	Yes	83.5	01/06/15
	Viribright Lighting	C32EU6	6000 K	3.0	91.5	270	NA	Yes	92.1	08/19/15
		C32EU4	4000 K	3.0	91.5	270	NA	Yes	93.1	08/19/15
		C32EU2	2700 K	3.0	91.5	270	NA	Yes	91.5	08/19/15
		C32SU6	6000 K	3.0	91.5	270	NA	Yes	92.1	08/19/15
		C32SU4	4000 K	3.0	91.5	270	NA	Yes	93.1	08/19/15
		C32SU2	2700 K	3.0	91.5	270	NA	Yes	91.5	08/19/15
CFL Replacement	EIKO Global	LED13W4PVL/840DR-G5	4000 K	15.9	77.8	900	NA	Yes	86.9	06/17/15
		LED13W4PVL/835DR-G5	3500 K	16.1	72.7	900	NA	Yes	83.3	06/17/15
		LED13W4PVL830DR-G5	3000 K	16.1	70.1	900	NA	Yes	84.5	06/17/15
		LED13W4PVL/827DR-G5	2700 K	13.8	73.8	900	NA	Yes	84.5	06/17/15
		LED13W4PH840DR-G5	4000 K	16.0	67.3	900	NA	Yes	86.1	06/17/15
		LED13W4PH835DR-G5	3500 K	16.1	65.3	900	NA	Yes	83.1	06/17/15
		LED13W4PH830DR-G5	3000 K	16.0	62.7	900	NA	Yes	84.8	06/17/15
		LED13WPH827DR-G5	2700 K	13.8	65.9	900	NA	Yes	83.8	06/17/15
	ESL Vision, LLC	ESL-PL-11W-30	3000 K	10.8	106.0	1140	NA	No	83.3	03/13/15

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CFL Replacement	ESL Vision, LLC	ESL-PL-7W-30	3000 K	7.0	108.0	750	NA	No	83.1	03/13/15
		ESL-PL-9W-30	3000 K	9.0	106.0	960	NA	No	83.1	03/13/15
		ESL-PL-9W-40	4000 K	8.0	108.5	860	NA	No	86.6	06/03/15
		ESL-PL-7W-50	5100 K	6.1	110.0	650	NA	No	86.4	06/03/15
		ESL-PL-7W-40	4000 K	6.2	105.0	650	NA	No	86.8	06/02/15
		ESL-PL-11W-50	5500 K	10.2	107.0	1050	NA	No	85.1	06/09/15
		ESL-PL-11W-40	4000 K	10.0	108.0	1080	NA	No	86.4	06/09/15
		ESL-PL-9W-50	5100 K	8.2	110.0	900	NA	No	86.8	06/09/15
	GE Lighting	LED12G24q-V/840	4000 K	11.6	78.9	1000	NA	No	83.6	06/17/15
		LED12G24q-V/835	3500 K	11.7	74.9	1000	NA	No	82.5	06/17/15
		LED12G24q-V/830	3000 K	11.7	74.3	950	NA	No	82.0	06/17/15
		LED12G24q-V/827	2700 K	11.7	72.7	950	NA	No	82.1	06/17/15
		LED12G24q-H/840	4000 K	11.6	79.6	1000	NA	No	83.2	06/17/15
		LED12G24q-H/835	3500 K	11.7	77.7	1000	NA	No	82.5	06/17/15
		LED12G24q-H/830	3000 K	11.6	76.9	950	NA	No	81.9	06/17/15
		LED12G24q-H/827	2700 K	11.8	72.9	950	NA	No	81.7	06/17/15
	Green Creative	11PLHG4/840/DIR	4000 K	14.3	75.0	1000	NA	No	84.8	06/02/15
		11PLHG4850BYP	5000 K	10.6	102.8	1000	NA	No	82.2	06/12/15
		11PLHG4840BYP	4000 K	10.6	104.9	1000	NA	No	83.6	06/12/15
		11PLHG4835BYP	3500 K	10.6	97.5	950	NA	No	80.4	06/12/15
		11PLHG4930DIR	3000 K	14.3	58.7	800	NA	No	93.6	06/12/15
		11PLHG4850DIR	5000 K	14.3	75.0	1000	NA	No	85.3	06/12/15
		11PLHG4835DIR	3500 K	14.3	72.1	950	NA	No	81.0	06/12/15
		11PLHG4830DIR	3000 K	14.4	70.5	920	NA	No	82.9	06/12/15
		11PLHG4/827/DIR	2700 K	14.0	63.4	850	NA	No	82.7	06/12/15
		11PLVG4930DIR	3000 K	13.3	61.0	730	NA	No	92.7	07/23/15
		11PLVG4850DIR	5000 K	13.3	82.6	940	NA	No	85.1	07/23/15
		11PLVG4840DIR	4000 K	13.2	79.9	920	NA	No	84.2	07/23/15
		11PLVG4/830/DIR	3000 K	13.3	72.5	875	NA	No	82.2	07/23/15
		11PLVG4/827/DIR	2700 K	13.2	72.2	875	NA	No	81.2	07/23/15
	Keystone Technologies	KT-LED134P-EV-840-S	4000 K	14.4	78.5	950	NA	Yes	87.0	08/06/15
		KT-LED134P-H-827-S	2700 K	13.8	65.9	900	NA	Yes	83.8	08/06/15
		KT-LED134P-H-835-S	3500 K	14.5	72.8	900	NA	Yes	83.8	08/06/15
		KT-LED134P-H-830-S	3000 K	14.4	66.5	900	NA	Yes	85.0	08/06/15
		KT-LED134P-H-840-S	4000 K	14.3	72.1	950	NA	Yes	86.3	08/06/15
		KT-LED134P-V-830-S	3000 K	14.0	72.7	900	NA	Yes	84.7	08/06/15
		KT-LED134P-V-840-S	4000 K	14.4	78.3	950	NA	Yes	86.9	08/06/15
		KT-LED134P-V-827-S	2700 K	13.9	65.4	900	NA	Yes	84.5	08/06/15
	Light Efficient Design	LED-7302-35A	3500 K	10.0	100.9	1043	NA	No	85.4	08/06/15
		LED-7302-42A	4200 K	10.1	100.9	1013	NA	No	84.9	08/06/15
		LED-7304-35A	3500 K	9.9	93.1	920	NA	No	85.1	08/06/15
		LED-7304-42A	4200 K	10.2	101.3	1032	NA	No	85.1	08/07/15
		LED-7306-42A	4200 K	11.8	90.8	3980	NA	No	84.6	08/06/15

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
CFL Replacement	Light Efficient Design	LED-7308-35A	3500 K	12.7	85.5	3535	NA	No	82.4	08/06/15
		LED-7306-35A	3500 K	11.5	90.7	1043	NA	No	82.5	08/06/15
		LED-7308-42A	4200 K	11.5	90.3	1043	NA	No	85.0	08/06/15
	Lunera	HN-V-G24Q-26W-4000-G3	4000 K	15.5	62.0	950	NA	Yes	84.0	07/21/15
		HN-H-G24Q-26W-2700-G3	2700 K	15.0	59.0	890	NA	Yes	83.0	07/21/15
		HN-H-G24Q-26W-3000-G3	3000 K	15.0	61.0	920	NA	Yes	83.0	07/21/15
		HN-H-G24Q-26W-3500-G3	3500 K	14.9	63.0	940	NA	Yes	83.0	07/21/15
		HN-H-G24Q-26W-4000-G3	4000 K	14.9	66.0	970	NA	Yes	83.0	07/21/15
		HN-V-G24Q-26W-2700-G3	2700 K	15.6	57.0	880	NA	Yes	83.0	07/21/15
		HN-V-G24Q-26W-3000-G3	3000 K	15.7	58.0	912	NA	Yes	83.0	07/21/15
		HN-V-G24Q-26W-3500-G3	3500 K	15.5	59.0	916	NA	Yes	84.0	07/21/15
	Maxlite	7PLGX23LED50	5000 K	6.4	109.3	750	NA	No	82.4	10/15/14
		7PLGX23LED41	4100 K	6.2	108.8	725	NA	No	81.5	10/15/14
		7PLGX23LED35	3500 K	6.4	99.9	700	NA	No	83.3	10/15/14
		7PLGX23LED27	2700 K	6.4	92.8	650	NA	No	81.5	10/15/14
		7PLGU24LED50	5000 K	6.4	109.3	750	NA	No	82.4	10/15/14
		7PLGU24LED41	4100 K	6.2	108.8	725	NA	No	81.5	10/15/14
		7PLGU24LED35	3500 K	6.4	99.9	700	NA	No	83.3	10/15/14
		7PLGU24LED27	2700 K	6.4	92.8	650	NA	No	81.5	10/15/14
		7PLG24QLED50	5000 K	6.4	109.3	750	NA	No	82.4	10/15/14
		7PLG24QLED41	4100 K	6.2	108.8	725	NA	No	81.5	10/15/14
		7PLG24QLED35	3500 K	6.4	99.9	700	NA	No	83.3	10/15/14
		7PLG24QLED27	2700 K	6.4	92.8	650	NA	No	81.5	10/15/14
		7PLE26LED50	5000 K	6.4	109.3	750	NA	No	82.4	10/15/14
		7PLE26LED41	4100 K	6.2	108.8	725	NA	No	81.5	10/15/14
		7PLE26LED35	3500 K	6.4	99.9	700	NA	No	83.3	10/15/14
		7PLE26LED27	2700 K	6.4	92.8	650	NA	No	81.5	10/15/14
		5PLGX23LED50	5000 K	5.0	103.1	550	NA	No	82.1	10/15/14
	5PLGX23LED41	4100 K	4.8	102.3	525	NA	No	81.4	10/15/14	

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Lamp Type	Manufacturer	Model Number	CCT	Input Wattage	Efficacy LPW	Rated Lumens	Rated CBCP	Dimmable	CRI	Post Date
CFL Replacement	Maxlite	5PLGX23LED35	3500 K	4.9	103.3	500	NA	No	80.4	10/15/14
		5PLGX23LED27	2700 K	4.9	89.6	450	NA	No	81.1	10/15/14
		5PLGU24LED50	5000 K	5.0	103.1	550	NA	No	82.1	10/15/14
		5PLGU24LED41	4100 K	4.8	102.3	525	NA	No	81.4	10/15/14
		5PLGU24LED35	3500 K	4.9	103.3	500	NA	No	80.4	10/15/14
		5PLGU24LED27	2700 K	4.9	89.6	450	NA	No	81.1	10/15/14
		5PLG24QLED50	5000 K	5.0	103.1	550	NA	No	82.1	10/15/14
		5PLG24QLED41	4100 K	4.8	102.3	525	NA	No	81.4	10/15/14
		5PLG24QLED35	3500 K	4.9	103.3	500	NA	No	80.4	10/15/14
		5PLG24QLED27	2700 K	4.9	89.6	450	NA	No	81.1	10/15/14
		5PLE26LED50	5000 K	5.0	103.1	550	NA	No	82.1	10/15/14
		5PLE26LED41	4100 K	4.8	102.3	525	NA	No	81.4	10/15/14
		5PLE26LED35	3500 K	4.9	103.3	500	NA	No	80.4	10/15/14
		5PLE26LED27	2700 K	4.9	89.6	450	NA	No	81.1	10/15/14
		13PLG24QHLED35	3500 K	13.0	78.1	900	NA	Yes	84.7	05/22/15
		13PLG24QHLED41	4100 K	13.1	82.0	900	NA	Yes	82.8	05/22/15
		13PLG24QVLED41	4100 K	13.1	93.0	900	NA	Yes	82.6	05/22/15
		13PLG24QVLED35	3500 K	13.1	83.6	900	NA	Yes	83.4	05/22/15
		13PLG24QVLED27	2700 K	13.1	76.4	850	NA	Yes	80.7	05/22/15
		13PLG24QHLED27	2700 K	13.2	70.0	850	NA	Yes	79.8	05/28/15
		8PLGX23LED50	5000 K	7.1	107.1	725	NA	No	85.2	08/10/15
		8PLGU24LED50	5000 K	7.1	107.1	725	NA	No	85.2	08/10/15
		8PLG24QLED50	5000 K	7.1	107.1	725	NA	No	85.2	08/10/15
		8PLE26LED50	5000 K	7.1	107.1	725	NA	No	85.2	08/10/15
		8PLGU24LED40	4000 K	7.2	106.2	725	NA	No	85.4	08/10/15
		8PLG24QLED40	4000 K	7.2	106.2	725	NA	No	85.4	08/10/15
		8PLE26LED40	4000 K	7.2	106.2	725	NA	No	85.4	08/10/15
		8PLGX23LED40	4000 K	7.2	106.2	725	NA	No	85.4	08/10/15
		8PLGU24LED35	3500 K	7.0	101.5	725	NA	No	84.4	08/10/15
		8PLE26LED35	3500 K	7.0	101.5	725	NA	No	84.4	08/10/15
		8PLG24LED35	3500 K	7.0	101.5	725	NA	No	84.4	08/10/15
		8PLGX23LED35	3500 K	7.0	101.5	725	NA	No	84.4	08/10/15
		8PLG24QLED30	3000 K	7.0	106.3	675	NA	No	84.6	08/10/15
		8PLGX23LED30	3000 K	7.0	106.3	675	NA	No	84.6	08/10/15
		8PLGU24LED30	3000 K	7.0	106.3	675	NA	No	84.6	08/10/15
		8PLE26LED30	3000 K	7.0	106.3	675	NA	No	84.6	08/10/15
		8PLE26LED27	2700 K	7.0	97.2	675	NA	No	82.3	08/10/15
		8PLGX23LED27	2700 K	7.0	97.2	675	NA	No	82.3	08/10/15
		8PLGU24LED27	2700 K	7.0	97.2	675	NA	No	82.3	08/10/15
		8PLG24QLED27	2700 K	7.0	97.2	675	NA	No	82.3	08/10/15
		6PLG24QLED40	4000 K	5.9	88.0	525	NA	No	86.4	08/10/15

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Lamp Type	Manufacturer	Model Number	CCT	Input Wattage	Efficacy LPW	Rated Lumens	Rated CBCP	Dimmable	CRI	Post Date
CFL Replacement	Maxlite	6PLGU24LED40	4000 K	5.9	88.0	525	NA	No	86.4	08/10/15
		6PLGX23LED40	4000 K	5.9	88.0	525	NA	No	86.4	08/10/15
		6PLE26LED40	4000 K	5.9	88.0	525	NA	No	86.4	08/10/15
		6PLE26LED35	3500 K	6.0	90.9	525	NA	No	85.2	08/10/15
		6PLG24QLED35	3500 K	6.0	90.9	525	NA	No	85.2	08/10/15
		6PLGU24LED35	3500 K	6.0	90.9	525	NA	No	85.2	08/10/15
		6PLGX23LED35	3500 K	6.0	90.9	525	NA	No	85.2	08/10/15
		6PLG24QLED30	3000 K	6.0	85.6	500	NA	No	84.2	08/10/15
		6PLGU24LED30	3000 K	6.0	85.6	500	NA	No	84.2	08/10/15
		6PLGX23LED30	3000 K	6.0	85.6	500	NA	No	84.2	08/10/15
		6PLE26LED30	3000 K	6.0	85.6	500	NA	No	84.2	08/10/15
		6PLG24QLED27	2700 K	6.0	82.5	500	NA	No	81.0	08/10/15
		6PLGX23LED27	2700 K	6.0	82.5	500	NA	No	81.0	08/10/15
		6PLGU24LED27	2700 K	6.0	82.5	500	NA	No	81.0	08/10/15
	6PLE26LED27	2700 K	6.0	82.5	500	NA	No	81.0	08/10/15	
	Philips	16.5PL-LED/24-4000 IF 10/1	4000 K	16.5	111.1	2100	NA	No	83.1	07/23/15
		16.5PL-LED/24-3500 IF 10/1	3500 K	16.5	107.4	2000	NA	No	84.2	07/23/15
		16.5PL-LED/24-3000 IF 10/1	3000 K	16.5	104.1	1900	NA	No	82.4	07/23/15
	Satco	S9310	4000 K	13.0	72.1	925	NA	Yes	86.3	08/18/15
		S9309	3500 K	13.0	71.1	900	NA	Yes	83.2	08/18/15
		S9308	2700 K	13.0	65.9	900	NA	Yes	83.8	08/18/15
		S9307	5000 K	13.0	76.2	950	NA	Yes	85.4	08/18/15
		S9306	4000 K	13.0	78.5	925	NA	Yes	87.0	08/18/15
		S9305	3500 K	13.0	75.1	900	NA	Yes	83.5	08/18/15
		S9304	2700 K	13.0	73.8	900	NA	Yes	84.5	08/18/15
		S9303	5000 K	13.0	75.9	950	NA	Yes	85.3	08/18/15
		S9302	4000 K	13.0	78.3	925	NA	Yes	86.9	08/18/15
		S9301	3500 K	13.0	72.8	900	NA	Yes	83.8	08/18/15
		S9300	2700 K	13.0	65.4	900	NA	Yes	84.5	08/18/15
	Viribright Lighting	B85JG2-5	2700 K	8.0	87.4	680	NA	No	90.0	08/19/15
		B85JG4-5	4000 K	8.0	92.7	680	NA	No	93.7	08/19/15

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Lamp Type	Manufacturer	Model Number	CCT	Input Wattage	Efficacy LPW	Rated Lumens	Rated CBCP	Dimmable	CRI	Post Date
CFL Replacement	Viribright Lighting	B85JG6-5	6000 K	8.1	87.1	680	NA	No	95.7	08/19/15
		B85KG6-5	6000 K	8.1	87.1	680	NA	No	95.7	08/19/15
		B85KG4-5	4000 K	8.0	92.7	680	NA	No	93.7	08/19/15
		B85KG2-5	2700 K	8.0	87.4	680	NA	No	90.0	08/19/15
		B85GG6-5	6000 K	8.1	87.1	680	NA	No	95.7	08/19/15
		B85GG4-5	4000 K	8.0	92.7	680	NA	No	93.7	08/19/15
		B85GG2-5	2700 K	8.0	87.4	680	NA	No	90.0	08/19/15
		B85IG6-5	6000 K	8.1	87.1	680	NA	No	95.7	08/19/15
		B85IG4-5	4000 K	8.0	92.7	680	NA	No	93.7	08/19/15
		B85IG2-5	2700 K	8.0	87.4	680	NA	No	90.0	08/19/15
CFL Replacement (uses line voltage)	Kobi Electric	LED-700-PL-G24-5.5-50-MV-NB	5000 K	7.7	117.2	700	NA	No	84.0	05/14/15
		LED-700-PL-G24-5.5-41-MV-NB	4100 K	7.7	110.8	700	NA	No	83.5	05/14/15
		LED-1400-PL-G24-6.5-50-MV-NB	5000 K	14.2	107.2	1400	NA	No	84.6	05/14/15
		LED-1400-PL-G24-6.5-41-MV-NB	4100 K	14.2	91.1	1400	NA	No	84.3	05/14/15
		LED-1000-PL-G24-5.5-50-MV-NB	5000 K	10.8	108.2	1000	NA	No	84.4	05/14/15
		LED-1000-PL-G24-5.5-27-MV-NB	2700 K	11.0	93.7	1000	NA	No	81.5	05/14/15
		LED-1000-PL-G24-5.5-41-MV-NB	4100 K	11.1	110.9	1000	NA	No	84.0	05/14/15
line voltage) Total										
Globe	Archipelago Lighting, Inc.	LTG16526C20027K1	2700 K	1.8	119.2	200	NA	Yes	81.9	02/09/15
		LTG25C35027K1	2700 K	3.1	122.5	350	NA	Yes	81.5	02/09/15
		LTG25C20027K1	2700 K	1.8	123.3	200	NA	Yes	81.6	02/09/15
		LTG16526C32527K1	2700 K	3.1	114.4	325	NA	Yes	81.6	08/05/15
	Viribright Lighting	C02EU6	6000 K	1.9	95.8	180	NA	No	93.7	08/19/15
		C02EU4	4000 K	2.0	92.0	180	NA	No	92.3	08/19/15
		C02SU6	6000 K	1.9	95.8	180	NA	No	93.7	08/19/15
		C02SU4	4000 K	2.0	92.0	180	NA	No	92.3	08/19/15
		C02SU2	2700 K	2.0	91.2	180	NA	No	92.4	08/19/15
HID Replacements (screw-in)	ARVA, LLC	HL-OC-8W-E26-50K	5000 K	7.6	105.9	800	NA	No	84.1	12/26/14
		HL-OC-10W-E26-50K	5000 K	9.7	109.8	1000	NA	No	84.2	12/26/14
		HL-OC-14W-E26-50K	5000 K	13.4	113.0	1400	NA	No	84.6	12/26/14
		HL-OC-18W-E26-50K	5000 K	17.3	116.6	1800	NA	No	83.7	12/26/14
		HL-OC-22W-E26-50K	5000 K	21.9	115.8	2200	NA	No	83.6	12/26/14
		HL-OC-27W-E39-50K	5000 K	25.3	117.1	2700	NA	No	83.7	12/26/14
		HL-OC-36W-E39-50K	5000 K	35.3	115.9	3800	NA	No	84.2	12/26/14
		HL-OC-45W-E39-50K	5000 K	43.8	114.8	4700	NA	No	83.7	12/26/14
		HL-OC-54W-E39-50K	5000 K	52.1	115.3	5700	NA	No	84.0	12/26/14
		HL-OC-80W-E39-50K	5000 K	72.8	115.2	8400	NA	No	84.0	12/26/14
		HL-OC-100W-E39-50K	5000 K	93.7	115.4	10500	NA	No	84.5	12/26/14

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HID Replacements	ARVA, LLC	HL-OC-120W-E39-50K	5000 K	109.5	116.2	12600	NA	No	84.4	12/26/14
		HL-AC-50-E39-50K	5000 K	48.4	116.3	5630	1641	No	84.2	04/15/15
		HL-AC-20W-E26-50K	5000 K	18.5	116.1	2150	626.9	No	83.9	04/15/15
	Bbier Manufacturing Co.,ltd	BB-HYD-004	5600 K	39.7	116.0	4800	NA	No	83.6	03/11/15
		BB-HJD-003	5700 K	37.8	134.3	5000	NA	No	83.0	04/15/15
		BB-HJD-052	5500 K	38.9	123.5	4800	NA	No	83.6	04/13/15
	CAO Lighting, Inc.	803-120W-40K-E39	4000 K	116.8	117.0	13680	NA	No	84.6	03/03/15
		803-100W-40K	4000 K	96.9	112.5	10500	NA	No	85.4	07/14/15
		803-080W-40K	4000 K	78.0	110.9	8400	NA	No	84.8	07/14/15
		802-45W-40K	4000 K	45.8	115.6	4700	NA	No	84.6	07/14/15
		802-36W-50K	5000 K	36.5	118.8	3800	NA	No	82.4	07/14/15
		802-36W-40K	4000 K	34.9	113.8	3800	NA	No	84.7	07/14/15
		802-27W-40K	4000 K	26.5	116.9	2800	NA	No	83.1	07/14/15
		802-45W-50K	5000 K	46.6	124.7	5661	NA	No	83.9	08/05/15
	Differential Energy Global	DEG-600750	4500 K	301.4	71.3	21714	46.89	Yes	75.0	10/01/14
		DEG-250400	4500 K	106.0	91.1	8700	1	Yes	74.0	10/01/14
		DEG-450550	4500 K	231.1	72.9	16849	65.1	Yes	75.1	01/07/15
		DEG-325400	4500 K	156.0	74.8	11665	41.8	Yes	78.3	02/09/15
		DEG-150175	4500 K	58.6	78.2	4585	6.9	Yes	76.0	01/07/15
		DEG-070120	4500 K	18.6	106.6	1982	0.77	Yes	74.5	07/30/15
		DEG-100225-3K CLiK (277v)	3000 K	58.3	80.0	4548	13.3	Yes	82.5	08/18/15
		DEG-100225-3.5K CLiK (277v)	3500 K	57.1	73.7	4126	11.9	Yes	83.1	08/18/15
		DEG-100225-4K CLiK (277v)	4000 K	58.8	86.1	4924	14.3	Yes	83.2	08/18/15
		DEG-100225-4K CLiK (120v)	4000 K	57.2	86.1	4924	14.3	Yes	83.2	07/30/15
		DEG-100225-3.5K CLiK (120v)	3500 K	56.0	73.7	4126	14.3	Yes	83.1	07/30/15
		DEG-100225-3K CLiK (120v)	3000 K	56.9	80.0	4548	13.3	Yes	82.5	07/30/15
		DEG-070120-G2 (120v)	4500 K	15.9	91.7	1444	4.7	Yes	74.7	08/18/15
		DEG-070120-G2 (277v)	4500 K	16.6	91.7	1444	4.7	Yes	74.7	08/18/15
		DiVi Energy, LLC	BB HJD 60W8S	4500 K	62.2	138.2	8400	NA	No	82.8
	G90-C60		4000 K	59.9	108.4	6000	NA	No	73.6	07/01/15
	EIKO Global	LED54WPT40KMOG-G5	4000 K	53.6	112.2	6000	NA	No	85.8	01/28/15
		LED54WPT40KMED-G5	4000 K	53.6	112.2	6000	NA	No	85.8	01/28/15
		LED45WPT40KMOG-G5	4000 K	44.3	117.3	5000	NA	No	84.3	01/28/15
		LED45WPT40KMED-G5	4000 K	44.3	117.3	5000	NA	No	84.3	01/28/15
		LED36WPT40KMOG-G5	4000 K	35.9	117.7	4000	NA	No	83.4	01/28/15
		LED36WPT40KMED-G5	4000 K	35.9	117.7	4000	NA	No	83.4	01/28/15
		LED27WPT40KMOG-G5	4100 K	26.6	112.3	3000	NA	No	85.7	01/28/15
		LED27WPT40KMED-G5	4100 K	26.6	112.3	3000	NA	No	85.7	01/28/15
		C0820-PT-40W-40K-N61-E26-DN-W	4000 K	38.7	108.5	4200	NA	No	74.6	02/27/15
		C0820-PT-25W-40K-N61-E39-DN-W	4000 K	24.6	112.0	2600	NA	No	73.0	02/27/15
		C0820-PT-25W-40K-N61-E26-DN-W	4000 K	24.6	112.0	2600	NA	No	73.0	02/27/15
		C0820-PT-25W-23K-N61-E39-DN-W	2300 K	24.4	77.0	1900	NA	No	79.0	02/27/15
		C0820-PT-25W-23K-N61-E26-DN-W	2300 K	24.4	77.0	1900	NA	No	79.0	02/27/15

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Lamp Type	Manufacturer	Model Number	CCT	Input Wattage	Efficacy LPW	Rated Lumens	Rated CBCP	Dimmable	CRI	Post Date
HID Replacements	EiKO Global	C0820-PT-40W-40K-N61-E39-DN-W	4000 K	38.7	108.5	4200	NA	No	74.6	02/27/15
	ESL Vision, LLC	ESL-CL-12W-50	5500 K	12.8	91.7	1170	NA	No	86.1	10/17/14
		ESL-CL-16W-50	5500 K	15.3	95.8	1170	NA	No	86.2	10/17/14
		ESL-CL-20W-50	5500 K	20.2	96.3	1950	NA	No	86.3	10/17/14
		ESL-CL-35W-50	5500 K	34.3	121.8	4175	NA	No	85.0	10/17/14
		ESL-CL-45W-50	5500 K	43.8	120.4	5270	NA	No	85.1	10/17/14
		ESL-CL-55W-50	5500 K	50.6	121.9	6170	NA	No	84.6	10/17/14
		ESL-PAR38F-45W-40	4000 K	42.9	99.5	4050	NA	No	72.6	07/08/15
	Halco	HID54/850/MV/LED	5000 K	51.3	128.3	6200	NA	No	82.3	07/30/15
	Hyperikon	501160508	5040 K	52.9	131.2	7020	NA	No	82.3	05/28/15
		501160504	5000 K	128.1	128.1	14100	NA	No	82.4	07/08/15
		501160502	5000 K	78.4	129.8	10400	NA	No	82.3	07/08/15
		501160412	5000 K	22.2	129.7	2750	NA	No	81.6	07/08/15
	LED Trail	2770	7000 K	15.0	104.3	2100	NA	No	73.2	03/12/15
		2771	4100 K	19.3	100.2	2100	NA	No	73.5	03/12/15
		2772	4100 K	30.0	95.1	2100	NA	No	78.7	03/12/15
		2773	7000 K	40.0	94.8	2100	NA	No	75.5	03/12/15
		2775	5500 K	60.0	103.1	2100	NA	No	75.6	03/12/15
		2776	7000 K	80.0	101.4	2100	NA	No	73.1	03/12/15
		2777	4100 K	100.0	99.5	2100	NA	No	73.5	03/12/15
		2778	6500 K	120.0	104.1	2100	NA	No	73.1	03/12/15
	Light Efficient Design	LED-8039E42	4368 K	19.1	102.7	1961.2	NA	No	84.9	12/16/14
		LED-8039E57	5688 K	19.3	104.4	2014.6	NA	No	86.7	12/16/14
		LED-8033E42	4287 K	37.6	116.1	4366.65	NA	No	84.5	12/16/14
		LED-8033E57	5576 K	38.3	116.1	4275.86	NA	No	86.4	12/16/14
		LED-8029E57	5704 K	25.1	94.3	2366.48	NA	No	85.6	12/16/14
		LED-8029E42	4340 K	22.2	100.0	2319.74	NA	No	84.4	12/16/14
		LED-8028E30	3300 K	21.5	95.8	2058.99	NA	No	84.5	12/16/14

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Lamp Type	Manufacturer	Model Number	CCT	Input Wattage	Efficacy LPW	Rated Lumens	Rated CBCP	Dimmable	CRI	Post Date
HID Replacements	Light Efficient Design	LED-8028E57	5718 K	21.1	94.4	1991.28	NA	No	85.5	12/16/14
		LED-8028E42	4317 K	20.9	99.1	2073.09	NA	No	84.4	12/16/14
		LED-8025E42	4211 K	52.3	103.5	5413.67	NA	No	84.4	12/16/14
		LED-8025E57	5470 K	52.5	98.9	5193.98	NA	No	86.0	12/16/14
		LED-8024E42	4302 K	45.1	118.9	5361	NA	No	84.4	12/16/14
		LED-8024E57	5610 K	45.1	111.7	5037.1	NA	No	86.0	12/16/14
		LED-8023E57	5610 K	35.7	111.5	3981.28	NA	No	86.0	12/16/14
		LED-8023E42	4310 K	35.1	118.3	4153	NA	No	84.3	12/16/14
		LED-8045M57	5140 K	50.4	88.9	4480.87	NA	No	72.5	12/16/14
		LED-8045M42	4024 K	51.1	90.3	4613.74	NA	No	81.9	12/16/14
		LED-8030M57	5574 K	154.4	96.6	14921.1	NA	No	85.8	12/16/14
		LED-8030M42	4287 K	151.8	102.2	15515.9	NA	No	84.1	12/16/14
		LED-8024M57	5586 K	47.2	116.4	5297.1	NA	No	85.8	12/16/14
		LED-8001M57	5814 K	34.7	82.6	2866	NA	No	82.8	12/16/14
		LED-8001M42	4000 K	35.1	78.6	2760	NA	No	83.2	12/16/14
		LED-8024M42	4301 K	44.2	116.4	5145.96	NA	No	84.2	12/16/14
		LED-8023E30	3270 K	35.4	113.9	4030	NA	No	84.5	12/16/14
		LED-8024E30	3273 K	44.4	111.9	4969.9	NA	No	84.4	12/16/14
		LED-8002M42	4200 K	44.9	80.4	3608	NA	No	83.1	12/16/14
		LED-8026M42	4285 K	101.3	106.8	10821	NA	No	8404.0	12/16/14
		LED-8027M42	4324 K	96.3	110.8	10669	NA	No	84.6	12/16/14
		LED-8027M57	5716 K	95.7	105.4	10083	NA	No	86.8	12/16/14
		LED-8026M57	5588 K	102.7	102.7	10191	NA	No	86.3	12/16/14
		LED8039E30	3281 K	19.2	96.0	1844.7	NA	No	84.0	12/16/14
		LED-8027M30	5716 K	95.7	105.4	10083	NA	No	86.8	12/16/14
		LED-8035E57	5474 K	60.8	98.4	5979.77	NA	No	85.5	12/16/14
		LED-8036M57	5578 K	101.1	103.5	10465.4	NA	No	86.2	12/16/14
		LED-8055E42	4086 K	29.7	73.9	2194.93	NA	No	83.7	12/16/14
		LED-8036M42	4281 K	98.5	108.6	10698.7	NA	No	84.0	12/16/14
		LED-8035E42	4229 K	61.0	98.3	5993.53	NA	No	84.6	12/16/14
		LED-8055E57	6008 K	30.0	72.9	2187.78	NA	No	83.1	12/16/14
		LED-8029E30	3287 K	24.1	96.3	2320.98	NA	No	84.5	12/16/14
		LED-8024M30	3271 K	45.6	112.0	5107	NA	No	84.4	12/16/14
		LED-8029M30	3287 K	23.8	97.2	2317	NA	No	84.8	02/09/15
		LED-8029M42	4297 K	23.6	101.1	2387	NA	No	88.0	02/09/15
		LED-8029M57	5972 K	22.9	97.2	2225	NA	No	85.6	02/09/15
		LED-8090M50	4981 K	113.5	91.9	10434	NA	No	77.0	04/03/15
		LED-8046M57	6084 K	65.0	100.0	6496	NA	No	80.8	04/03/15
		LED-8090M40	4144 K	117.7	81.5	9561	NA	No	84.6	04/03/15
		LED-8032M42	4191 K	148.1	101.4	15020	NA	No	84.3	04/03/15
		LED-8032M57	5402 K	148.8	95.1	14149	NA	No	86.3	04/03/15
		LED-8046M42	4014 K	65.7	96.7	6349	NA	No	82.2	04/13/15
LED-8090M4T3	4000 K	118.3	81.1	9561	NA	Yes	84.0	05/28/15		
LED-8090M4T4	4000 K	116.8	72.6	9561	NA	Yes	84.1	05/28/15		

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Lamp Type	Manufacturer	Model Number	CCT	Input Wattage	Efficacy LPW	Rated Lumens	Rated CBCP	Dimmable	CRI	Post Date
HID Replacements	Light Efficient Design	LED-8090M5T4	5000 K	117.3	86.7	10434	NA	Yes	76.8	05/28/15
		LED-8090M5T3	5000 K	115.3	91.7	10434	NA	Yes	76.4	05/28/15
		LED-8084M30	3136 K	43.5	93.4	4062	NA	Yes	84.4	05/28/15
		LED-8084M42	4200 K	44.1	96.9	4273	NA	Yes	85.8	05/28/15
		LED-8084M57	5782 K	43.9	102.7	4509	NA	Yes	84.2	05/28/15
		LED-8085M30	3000 K	56.6	94.1	5326	NA	Yes	84.0	05/28/15
		LED-8085M42	4200 K	57.2	101.5	5807	NA	Yes	86.2	05/28/15
		LED-8085M57	5700 K	57.1	107.4	6130	NA	Yes	84.7	05/28/15
		LED-8089M40	4000 K	80.6	85.8	6910	NA	Yes	72.5	05/28/15
	LED-8089M50	5482 K	80.2	82.3	7403	NA	Yes	69.5	05/28/15	
	Maxlite	SKPT12LEDU30E26	3000 K	12.3	90.1	1100	NA	No	82.9	08/20/14
		SKPT12LEDU50E26	5100 K	12.7	89.6	1100	NA	No	86.0	08/20/14
		SKPT20LEDU30E26	3000 K	19.7	95.0	1800	NA	No	82.6	08/20/14
		SKPT20LEDU50E26	5100 K	19.8	93.9	1800	NA	No	86.1	08/20/14
		13P30LNLED240FL	4000 K	13.1	99.0	1200	2100	No	79.4	05/22/15
	Optimal LED	CBU05NX2710W40E39JCW	4000 K	26.6	110.2	2970	NA	No	85.7	04/16/15
		CBU05NX3610W40E39JCW	4000 K	36.1	116.6	3960	NA	No	83.4	04/16/15
	PacLights	BX500NW	5000 K	106.1	86.4	9168	NA	No	83.0	08/17/15
	Satco	S9350	5000 K	17.4	128.6	2160	NA	No	81.6	08/05/15
		S9351	5000 K	22.2	129.7	2640	NA	No	81.6	08/05/15
		S9352	5000 K	36.0	131.2	4320	NA	No	81.8	08/05/15
		S9353	5000 K	45.5	127.6	5400	NA	No	81.6	08/05/15
		S9354	5000 K	52.7	128.5	6480	NA	No	81.6	08/05/15
		S9355	5000 K	100.1	124.8	12000	NA	No	81.6	08/05/15
		Shenzhen Guanke Technologies Co., Ltd; (Qu	GKS09-27W (E26; E39)	4200 K	26.6	110.2	2944	NA	No	85.7
	GKS09-54W (E26; E39)		4000 K	53.6	109.9	5895	NA	No	85.8	07/30/15
	GKS09-45W (E26; E39)		4000 K	44.1	114.0	5200	NA	No	84.3	07/30/15
	GKS09-36W (E26; E39)		4000 K	36.1	116.6	4209	NA	No	83.4	07/30/15
	SNC Opto Electronic Co, Ltd.	SNC-CL-60W	5500 K	60.0	103.1	4100	NA	No	75.6	04/14/15
		SNC-CL-80W	7000 K	80.0	101.4	4100	NA	No	73.1	04/13/15
		SNC-CL-40W	7300 K	40.0	94.8	4100	NA	No	75.5	04/13/15
		SNC-CL-20W	4309 K	19.3	100.2	1933.7	NA	No	73.5	04/13/15
		SNC12-100w-01	6500 K	100.9	106.1	11000	NA	No	72.3	07/21/15
	Topaz Lighting	LPT75/850/INT/E39-74 (277V)	5000 K	71.0	121.0	7875	NA	No	82.0	06/17/15
		LPT75/850/INT/E39-74v (120V)	5000 K	64.0	121.0	7875	NA	No	82.0	06/17/15
		LPT36/830/INT/E26-74 (120V)	3000 K	32.0	117.0	3780	NA	No	83.0	08/13/15
		LPT36/830/INT/E26-74 (277V)	3000 K	39.0	117.0	3780	NA	No	83.0	08/13/15
		LPT27/850/INT/E26-74 (120V)	5000 K	26.0	121.0	2900	NA	No	82.0	06/17/15
		LPT36/850/INT/E26-74 (120V)	5000 K	32.0	133.0	3780	NA	No	84.0	08/13/15
		LPT36/850/INT/E26-74 (277V)	5000 K	38.0	133.0	3780	NA	No	84.0	08/13/15
	Truly Green Solutions	310842	4000 K	51.0	114.0	5400	NA	No	86.0	06/16/15
		310843	3000 K	51.4	117.8	5400	NA	No	83.8	07/30/15

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HID Replacements	Truly Green Solutions	310841	5000 K	51.1	107.0	5400	NA	No	86.0	06/16/15
		310813	3000 K	26.9	99.0	2800	NA	No	82.0	06/16/15
		310812	4000 K	26.8	103.0	2800	NA	No	84.0	06/16/15
		310811	5000 K	26.6	109.0	2700	NA	No	85.0	06/16/15
		310822	4300 K	36.1	116.6	3800	NA	No	83.4	02/27/15
		310832	4300 K	44.1	114.0	4700	NA	No	84.3	02/27/15
		310842-G4	4000 K	53.3	142.9	7560	NA	No	83.3	06/03/15
		310832-G4	4000 K	45.1	142.9	6300	NA	No	83.4	06/03/15
		310822-G4	4000 K	36.0	139.9	5040	NA	No	83.2	06/03/15
	310821-G4	5000 K	35.0	139.1	5220	NA	No	84.1	06/03/15	
	310772	4000 K	12.1	106.1	1150	NA	No	84.6	08/13/15	
	Yankon	YGA15A00-200W-YXX-B	5000 K	200.0	83.8	20400	NA	No	81.2	08/20/14
	(screw-in) Total									
MR16	Green Creative	4MR16G4830FL36	3000 K	4.5	62.4	270	635	No	82.3	08/20/14
		4MR16G4/827FL36	2700 K	4.6	63.8	270	635	No	81.0	08/20/14
		6MR16G4DIM827FL36	2700 K	6.6	68.8	425	900	No	82.2	08/20/14
		6MR16G4DIM/827FL36	3000 K	6.5	74.1	440	925	Yes	81.9	08/20/14
		6GU10G4DIM/827FL36	2700 K	6.6	72.0	425	900	Yes	81.2	08/21/14
		6GU10G4DIM/830FL36	3000 K	6.7	73.7	450	925	Yes	81.3	08/21/14
		7MR16G4DIM/824FL36	2400 K	7.8	60.9	475	1180	Yes	84.8	06/11/15
	Maxlite	SKMR1607DLED30FL	3000 K	6.8	73.6	450	NA	Yes	84.1	06/02/15
		SKMR1607DLED27FI	2700 K	6.8	72.7	450	NA	Yes	82.2	06/02/15
	Ningbo Baishi Electric	Polaroid PLMR16GU10-35.350.5.7D	2700 K	4.8	77.7	350	750	Yes	81.9	12/02/14
	Overdrive Electronics	L5MR16/BG/NFL/30K	3000 K	4.3	62.5	270	1025	No	84.3	11/26/12
		L5MR16/SW/NFL/30K	3000 K	4.2	52.8	225	440	No	83.1	11/26/12
	Philips	7MR16/END/F36 2700	2700 K	7.3	48.1	335	820	Yes	85.1	10/31/12
	Sora	SM16-09-36D-927-03	2700 K	9.5	49.2	465	1210	Yes	95.4	03/03/15
		SM16-09-25D-930-03	3000 K	9.3	53.7	490	2700	Yes	94.9	03/03/15
		SM16-09-25D-830-03	3000 K	9.7	62.4	590	3260	Yes	84.3	03/03/15
		SM16-07-36D-940-03	4000 K	8.1	57.5	455	1190	Yes	82.9	03/03/15
		SM16-07-36D-927-03	2700 K	7.8	52.4	410	1070	Yes	96.4	03/03/15
		SM16-07-36D-830-03	3000 K	7.9	66.3	525	1370	Yes	85.3	03/03/15
		SM16-07-25D-930-03	3000 K	7.8	53.8	435	2400	Yes	95.9	03/03/15
		SM16-07-25D-927-03	2700 K	7.7	54.3	410	2260	Yes	96.0	03/03/15
		SM16-07-25D-830-03	3000 K	7.9	64.1	525	2900	Yes	85.7	03/03/15
		SM16-07-25D-827-03	2700 K	7.8	64.3	500	2760	Yes	82.9	03/03/15
	TCP	LED512VMR1630KFL	3000 K	5.4	82.1	370	728	Yes	82.0	09/12/14
		LED512VMR1627KFL	2700 K	5.2	78.9	350	728	Yes	82.0	09/12/14
		LED712VMR16V24KFL	2400 K	7.8	59.4	450	898	Yes	85.0	10/29/14
		LED712VMR16V24KNFL	2400 K	7.7	59.3	450	2802	Yes	85.0	10/29/14
LED712VMR16V41KFL		4100 K	7.1	78.7	525	1057	Yes	83.0	10/29/14	
LED712VMR16827KNFL		2700 K	7.2	69.4	500	3296	Yes	82.0	10/29/14	
LED712VMR16827KFL		4100 K	7.2	80.0	500	1057	Yes	87.0	10/29/14	
LED712VMR16927KFL	2700 K	7.4	61.7	425	898	Yes	93.8	10/29/14		

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
MR16	TCP	LED712VMR16930KFL	3000 K	7.4	60.9	425	898	Yes	94.5	10/29/14
	Verbatim Americas	M16-L350-C27-B38-W	2700 K	5.0	72.8	350	958	Yes	83.6	09/24/14
		G10-L360-C27-B38-W	2700 K	6.1	60.3	360	932	Yes	83.9	09/24/14
PAR16	Green Creative	6PAR16G4DIM827FL36	2700 K	6.6	74.7	425	900	Yes	82.0	08/20/14
		6PAR16G4DIM/830FL36	3000 K	6.6	76.2	450	925	Yes	82.0	08/20/14
PAR20	EiKO Global	LED7WPAR20/FL/840K-DIM-G4A	4000 K	7.2	92.0	500	1101	Yes	82.0	01/28/15
		LED7WPAR20N/FL/840K-DIM-G4A	4000 K	7.0	95.0	500	1638	Yes	83.0	01/28/15
	Ningbo Baishi Electric	Polaroid PLPAR20-45.500.8.2D	5000 K	7.2	75.6	500	846	Yes	83.3	12/02/14
		Polaroid PLPAR20-45.500.8.7D	2700 K	7.9	68.2	500	799	Yes	81.1	12/02/14
		Polaroid PLPAR20-45.500.8.1D	3000 K	7.6	78.9	500	866	Yes	81.2	01/06/15
	Osram Sylvania	LED8PAR20/DIM/830/FL40/G3	3000 K	7.8	72.1	475	960	Yes	82.0	09/24/14
		LED8PAR20/DIM/827/NFL25/G3	2700 K	7.6	61.0	450	1500	Yes	81.0	10/01/14
	TCP	LED8P20D27KFL	2700 K	8.5	65.7	500	754	Yes	85.0	08/29/14
PAR30	EiKO Global	LED12WPAR30N/FL/840K-DIM-G4A	4000 K	11.9	81.0	850	4712	Yes	83.0	01/28/15
		LED12WPAR30/FL/840K-DIM-G4A	4000 K	11.9	78.0	850	2058	Yes	83.0	01/28/15
	ESL Vision, LLC	ESL-Par30-13W-D40	4000 K	13.1	74.0	950	NA	Yes	80.7	03/13/15
	Maxlite	13P30LNLED240FL	4000 K	13.1	99.0	1200	2100	No	79.4	05/11/15
	Ningbo Baishi Electric	Polaroid PLPAR30-60.780.11.1D	3000 K	10.9	94.6	780	2053	Yes	81.5	01/06/15
	Osram Sylvania	LED10PAR30LN/DIM/830/FL30	3000 K	9.5	79.4	650	1500	Yes	83.0	10/16/14
	Sora	SP30L-18-36D-827-03	2700 K	18.9	74.1	1190	2960	Yes	82.9	03/03/15
		SP30L-18-36D-927-03	2700 K	18.4	58.3	930	2320	Yes	95.5	03/03/15
		SP30L-18-36D-830-03	3000 K	18.7	71.4	1280	3200	Yes	85.7	03/03/15
		SP30L-18-25D-950-03	5000 K	18.6	63.8	1050	5660	Yes	93.3	03/03/15
		SP30L-18-25D-930-03	3000 K	18.6	58.2	1000	5400	Yes	95.4	03/03/15
		SP30L-18-25D-927-03	2700 K	18.5	55.9	930	5020	Yes	96.6	03/03/15
		SP30L-18-25D-830-03	3000 K	18.5	72.3	1280	6900	Yes	85.5	03/03/15
	TCP	LED14P30D41KFL	4100 K	13.8	86.1	1150	2120	Yes	83.0	08/29/14
		LED12P30SD30KFL95	3000 K	11.5	66.0	650	5402	Yes	95.0	09/24/14
Toshiba	LDRB1640WE6USDL	4000 K	16.0	49.8	4000	3800	Yes	86.4	11/02/12	
PAR30L	ETI	52414202	2700 K	11.1	54.7	650	760	Yes	81.2	08/29/14
		52414242	4000 K	10.2	69.6	680	1091	Yes	85.2	08/29/14
	MSi Lighting Inc.	ZPAR30L272512T3N	2700 K	12.1	87.7	950	4750	No	82.6	02/24/15
		ZPAR30L301512T3N	3000 K	12.1	89.6	1000	11500	No	83.9	03/20/15
	Osram Sylvania	LED13PAR30LN/DIM/827/NFL25/G3	2700 K	12.8	65.9	800	3600	Yes	81.0	10/01/14
PAR30S	EiKO Global	LED12WPAR30S/NFL/840-DIM-G4A	4000 K	11.5	92.0	850	4501	Yes	82.0	01/28/15
		LED12WPAR30S/FL/840-DIM-G4A	4000 K	11.7	88.0	850	1852	Yes	82.0	01/28/15
	MSi Lighting Inc.	ZPAR30S272512T3N	2700 K	12.1	87.7	950	4750	No	82.6	02/24/15
		ZPAR30S301512T3N	3000 K	12.1	89.6	1000	11500	No	83.9	03/20/15

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Lamp Type	Manufacturer	Model Number	CCT	Input Wattage	Efficacy LPW	Rated Lumens	Rated CBCP	Dimmable	CRI	Post Date
PAR30S	Ningbo Baishi Electric	Polaroid PLPAR30S-75.800.11.7D	2700 K	11.0	80.3	800	1886	Yes	81.6	12/02/14
		Polaroid PLPAR30S-75.800.11.2D	5000 K	11.0	83.5	800	1804	Yes	83.8	01/06/15
PAR38	EiKO Global	LED17WPAR38/NFL/840K-DIM-G4A	4000 K	17.1	93.0	1300	7162	Yes	81.5	01/28/15
		LED17WPAR38/FL/840K-DIM-G4A	4000 K	17.6	92.0	1300	3206	Yes	81.0	01/28/15
		LED14WPAR38N/FL/840K-DIM-G4A	4000 K	12.6	95.0	950	5049	Yes	82.0	01/28/15
		LED14WPAR38/FL/840K-DIM-G4A	4000 K	12.7	100.0	950	2257	Yes	82.3	01/28/15
	ESL Vision, LLC	ESL-Par38-17W-D27	2700 K	17.5	74.0	1300	NA	Yes	81.0	03/13/15
		ESL-Par38-17W-D50	5000 K	17.1	84.0	1400	NA	Yes	82.1	03/13/15
	MSi Lighting Inc.	ZPAR38272512T3N	2700 K	12.1	88.2	950	4750	No	82.8	02/24/15
	Maxlite	17P38LED240FL	4000 K	16.9	115.9	1800	2300	No	81.0	05/11/15
		17P38LED230FL	3000 K	16.4	94.5	1700	1900	No	81.8	05/11/15
		17P38DLED50FL	5000 K	17.9	94.4	1300	NA	Yes	81.0	06/12/15
		17P38DLED41FL	4100 K	18.0	91.0	1300	NA	Yes	81.3	06/12/15
	Ningbo Baishi Electric	PLPAR38W-150.2200.30.2D	5000 K	29.4	83.7	2200	3796	Yes	85.1	01/06/15
		Polaroid PLPAR38W-120.1600.23.7D	2700 K	23.0	77.5	1600	3852	Yes	81.6	01/06/15
		Polaroid PLPAR38W-120.1600.23.3D	4100 K	23.0	79.7	1600	3771	Yes	85.5	01/06/15
	Osram Sylvania	LED16PAR38/DIM/827/NFL25/G3	2700 K	16.0	69.5	1000	4500	Yes	82.0	09/25/14
	TCP	LED29E26P3827KFLND	2700 K	30.7	60.9	1800	3587	No	84.8	10/29/14
		LED29E26P3841KFLND	4100 K	30.9	73.3	2000	3587	No	81.0	10/29/14
		LED17P38277V41KFL	4100 K	15.9	85.6	1300	2231	No	85.0	08/13/15
		LED17P38277V30KFL	3000 K	16.0	95.8	1250	2231	No	83.0	08/13/15
		LED17P38277V27KFL	2700 K	15.9	74.4	1200	2231	No	85.0	08/13/15
R20	Ningbo Baishi Electric	Polaroid PLG25-40.500.7.1D	3000 K	6.6	83.0	500	142	Yes	81.5	09/15/14
	Osram Sylvania	LED5R20/DIM/827	2700 K	5.0	75.1	325	NA	Yes	83.0	09/10/14
U-Bent	Green Creative	16T8U6G4/850/DIR	5000 K	22.2	96.8	1800	NA	No	85.7	06/02/15
		16T8U6G4/840/DIR	4000 K	21.6	97.9	1800	NA	No	84.3	06/02/15
		11PLVG4/840/BYP	4000 K	10.5	97.1	920	NA	No	83.9	07/23/15
		16T8U6G4/830/DIR	3000 K	21.5	96.4	1650	NA	No	86.2	07/23/15
	Philips	16.5T8/22.5-5000 IF-6U 10/1	5000 K	15.0	142.1	2150	NA	No	82.7	07/08/15
		16.5T8/22.5-4000 IF-6U 10/1	4000 K	14.9	138.3	2100	NA	No	81.4	07/08/15
		16.5T8/22.5-3000 IF-6U 10/1	3000 K	15.1	126.4	2000	NA	No	81.4	07/08/15
		16.5T8/22.5-3500 IF-6U 10/1	3500 K	15.5	127.4	2000	NA	No	82.5	07/08/15