

DATE	PROJECT	FIRM	TYPE
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## PHOTOMETRY CHARACTERISTICS

Photometric testing done by an independent lab in accordance with current IES published Procedures . Lumen measurements comply with IES LM-79 - 08. Some IES files are generated by multiplying tested IES files with a calculated lumen values . IES data is available at [www.ecosenselighting.com](http://www.ecosenselighting.com)

## 80 CRI

### L60 2W

	5' x 5'	10' x 10'	10' x 40'	10' x 65'	20' x 20'	20' x 40'	20' x 70'	30' x 30'	30' x 45'	30' x 75'	55' x 55'	55' x 60'	55' x 90'	ASYM
<b>2200K</b>														
Lumens	99	93	92	95	90	87	90	89	86	86	88	86	84	78
LPW	52	49	48	50	53	51	53	52	51	51	52	50	49	46
CBCP	6229	1954	494	307	621	603	622	615	596	597	612	592	580	543
<b>2700K</b>														
Lumens	119	112	111	115	107	104	107	106	103	103	105	102	100	93
Efficacy	63	59	58	60	63	61	63	62	60	61	62	60	59	55
CBCP	7535	2363	598	371	740	719	741	733	710	712	729	705	691	647
<b>3000K</b>														
Lumens	121	114	113	117	109	106	109	108	105	105	107	104	102	95
Efficacy	64	60	59	61	64	62	64	63	62	62	63	61	60	56
CBCP	7665	2404	608	378	754	732	755	747	724	725	742	719	704	659
<b>3500K</b>														
Lumens	124	117	116	119	112	109	112	111	107	108	110	107	104	98
Efficacy	65	62	61	63	66	64	66	65	63	63	65	63	61	58
CBCP	7852	2463	623	387	774	751	775	766	743	744	762	738	723	676
<b>4000K</b>														
Lumens	128	121	120	123	114	111	114	113	110	110	113	109	107	100
Efficacy	68	64	63	65	67	65	67	67	64	65	66	64	63	59
CBCP	8121	2547	645	400	791	768	792	783	759	760	778	754	739	691
<b>5000K</b>														
Lumens	134	126	125	129	115	112	115	114	111	111	114	110	108	101
Efficacy	70	66	66	68	68	66	68	67	65	65	67	65	63	59
CBCP	8460	2653	671	417	798	775	799	790	766	768	786	761	745	697
<b>6500K</b>														
Lumens	135	127	125	129	112	109	112	111	108	108	110	107	105	98
Efficacy	71	67	66	68	66	64	66	65	63	63	65	63	62	58
CBCP	8509	2669	675	419	777	754	778	769	745	747	765	740	725	679

### L60 4W

	5' x 5'	10' x 10'	10' x 40'	10' x 65'	20' x 20'	20' x 40'	20' x 70'	30' x 30'	30' x 45'	30' x 75'	55' x 55'	55' x 60'	55' x 90'	ASYM
<b>2200K</b>														
Lumens	286	269	266	275	298	289	298	295	286	287	293	284	278	260
LPW	70	66	65	67	81	78	81	80	77	77	79	77	75	70
CBCP	18069	5667	1434	891	2063	871	552	1019	623	386	303	269	186	362
<b>2700K</b>														
Lumens	346	326	322	332	355	345	356	352	341	342	350	338	332	310
Efficacy	84	79	78	81	96	93	96	95	92	92	94	91	90	84
CBCP	21858	6855	1735	1077	2458	1037	658	1214	742	460	361	320	221	431
<b>3000K</b>														
Lumens	352	331	327	338	362	351	362	358	347	348	356	345	338	316
Efficacy	86	81	80	82	98	95	98	97	94	94	96	93	91	85
CBCP	22236	6974	1765	1096	2505	1057	671	1237	756	469	368	326	226	439
<b>3500K</b>														
Lumens	360	340	335	346	371	361	372	368	356	357	366	354	347	325
Efficacy	88	83	82	84	100	97	100	99	96	97	99	96	94	88
CBCP	22778	7144	1808	1123	2570	1085	688	1270	776	481	378	335	231	451
<b>4000K</b>														
Lumens	373	351	347	358	379	368	380	376	364	365	374	362	354	332
Efficacy	91	86	85	87	103	100	103	102	98	99	101	98	96	90
CBCP	23558	7388	1870	1161	2626	1108	703	1297	793	491	386	342	236	460
<b>5000K</b>														
Lumens	388	366	361	373	383	372	383	379	367	368	377	365	358	335
Efficacy	95	89	88	91	104	100	104	102	99	100	102	99	97	90
CBCP	24539	7696	1948	1209	2650	1119	710	1309	800	496	390	345	239	465
<b>6500K</b>														
Lumens	391	368	363	375	373	362	373	369	357	358	367	355	348	326
Efficacy	95	90	89	92	101	98	101	100	97	97	99	96	94	88
CBCP	24683	23258	22971	23725	2579	1089	690	1274	779	482	379	336	232	452

NOTE: Information on this Spec Sheet is subject to change, please visit the website for most updated information.

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## 80 CRI

### L60 5W

	5' x 5'	10' x 10'	10' x 40'	10' x 65'	20' x 20'	20' x 40'	20' x 70'	30' x 30'	30' x 45'	30' x 75'	55' x 55'	55' x 60'	55' x 90'	ASYM
<b>2200K</b>														
Lumens	366	345	341	352	430	417	430	425	412	413	423	409	401	375
LPW	72	68	67	69	91	89	91	90	88	88	90	87	85	80
CBCP	23157	7262	1838	1141	2972	1255	796	1468	898	556	437	387	268	521
<b>2700K</b>														
Lumens	443	418	412	426	512	497	512	507	491	492	504	488	478	447
Efficacy	87	82	81	84	109	106	109	108	104	105	107	104	102	95
CBCP	28012	8785	2223	1381	3541	1495	948	1749	1070	663	521	461	319	621
<b>3000K</b>														
Lumens	451	425	420	433	522	506	522	516	500	502	513	497	487	456
Efficacy	88	83	82	85	111	108	111	110	106	107	109	106	104	97
CBCP	28497	8937	2262	1405	3609	1523	966	1783	1090	675	531	470	325	633
<b>3500K</b>														
Lumens	462	435	430	444	535	520	536	530	513	515	527	510	500	468
Efficacy	91	85	84	87	114	111	114	113	109	110	112	109	106	100
CBCP	29192	9155	2317	1439	3704	1563	992	1829	1119	693	545	482	334	649
<b>4000K</b>														
Lumens	478	450	445	459	547	531	547	541	524	526	538	521	511	478
Efficacy	94	88	87	90	116	113	116	115	112	112	115	111	109	102
CBCP	30192	9469	2396	1488	3784	1597	1013	1869	1143	708	556	493	341	663
<b>5000K</b>														
Lumens	498	469	463	478	552	536	552	546	529	531	543	526	515	482
Efficacy	98	92	91	94	117	114	118	116	113	113	116	112	110	103
CBCP	31449	9863	2496	1550	3819	1612	1022	1886	1153	714	561	497	344	670
<b>6500K</b>														
Lumens	500	472	466	481	537	521	538	532	515	516	529	512	502	469
Efficacy	98	92	91	94	114	111	114	113	110	110	112	109	107	100
CBCP	31634	9921	2511	1559	3716	1569	995	1836	1122	695	546	484	335	652

### L60 6W

	5' x 5'	10' x 10'	10' x 40'	10' x 65'	20' x 20'	20' x 40'	20' x 70'	30' x 30'	30' x 45'	30' x 75'	55' x 55'	55' x 60'	55' x 90'	ASYM
<b>2200K</b>														
Lumens	444	418	413	427	547	531	548	542	525	526	539	522	511	478
LPW	74	70	69	71	96	93	96	95	92	92	95	92	90	84
CBCP	28054	8798	2227	1383	3788	1599	1014	1871	1144	709	557	493	341	664
<b>2700K</b>														
Lumens	537	506	500	516	652	633	653	646	626	627	642	621	609	570
Efficacy	89	84	83	86	114	111	115	113	110	110	113	109	107	100
CBCP	33937	10643	2694	1673	4513	1905	1208	2229	1363	844	664	587	406	791
<b>3000K</b>														
Lumens	546	515	508	525	665	645	665	658	637	639	654	633	621	581
Efficacy	91	86	85	87	117	113	117	115	112	112	115	111	109	102
CBCP	34524	10827	2740	1702	4599	1941	1231	2272	1389	860	676	599	414	806
<b>3500K</b>														
Lumens	560	527	521	538	682	662	683	675	654	656	671	650	637	596
Efficacy	93	88	87	90	120	116	120	118	115	115	118	114	112	105
CBCP	35366	11091	2807	1743	4719	1992	1264	2331	1425	883	694	614	425	827
<b>4000K</b>														
Lumens	579	545	539	556	697	676	698	690	668	670	686	664	651	609
Efficacy	96	91	90	93	122	119	122	121	117	118	120	116	114	107
CBCP	36577	11471	2903	1803	4821	2035	1291	2382	1456	902	709	628	434	845
<b>5000K</b>														
Lumens	603	568	561	579	703	683	704	696	675	676	692	670	657	614
Efficacy	100	95	93	97	123	120	124	122	118	119	121	118	115	108
CBCP	38100	11949	3024	1878	4866	2054	1303	2404	1470	910	715	633	438	853
<b>6500K</b>														
Lumens	606	571	564	583	684	664	685	678	656	658	674	652	639	598
Efficacy	101	95	94	97	120	117	120	119	115	115	118	114	112	105
CBCP	38324	12019	3042	1889	4735	1999	1268	2339	1430	886	696	616	426	830

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### L60 8W

	5' x 5'	10' x 10'	10' x 40'	10' x 65'	20' x 20'	20' x 40'	20' x 70'	30' x 30'	30' x 45'	30' x 75'	55' x 55'	55' x 60'	55' x 90'	ASYM
<b>2200K</b>														
Lumens	581	548	541	559	780	757	781	772	748	750	768	743	729	682
LPW	75	70	69	72	103	100	103	102	98	99	101	98	96	90
CBCP	36756	11527	2917	1812	5398	2279	1445	2666	1630	1010	794	703	486	946
<b>2700K</b>														
Lumens	703	663	655	676	929	902	930	920	892	894	915	886	868	812
Efficacy	90	85	84	87	122	119	122	121	117	118	120	117	114	107
CBCP	44463	13945	3529	2191	6431	2715	1722	3177	1943	1203	946	837	579	1128
<b>3000K</b>														
Lumens	716	674	666	688	947	919	948	938	909	911	932	903	885	828
Efficacy	92	86	85	88	125	121	125	123	120	120	123	119	116	109
CBCP	45232	14186	3590	2229	6554	2767	1755	3237	1980	1226	964	853	590	1149
<b>3500K</b>														
Lumens	733	691	682	705	972	944	973	962	932	935	957	926	908	849
Efficacy	94	89	87	90	128	124	128	127	123	123	126	122	119	112
CBCP	46335	14532	3678	2284	6726	2839	1801	3322	2031	1258	989	876	606	1179
<b>4000K</b>														
Lumens	758	714	706	729	993	964	994	983	952	955	977	946	927	868
Efficacy	97	92	90	93	131	127	131	129	125	126	129	124	122	114
CBCP	47922	15029	3804	2362	6871	2901	1840	3394	2075	1286	1010	895	619	1205
<b>5000K</b>														
Lumens	790	744	735	759	1002	973	1003	992	961	964	986	955	936	876
Efficacy	101	95	94	97	132	128	132	131	126	127	130	126	123	115
CBCP	49918	15655	3962	2460	6935	2927	1857	3426	2095	1298	1020	903	625	1216
<b>6500K</b>														
Lumens	794	749	739	764	975	947	976	966	935	938	960	929	911	852
Efficacy	102	96	95	98	128	125	128	127	123	123	126	122	120	112
CBCP	50211	15747	3985	2475	6748	2849	1807	3333	2038	1263	992	879	608	1183

### L60 10W

	5' x 5'	10' x 10'	10' x 40'	10' x 65'	20' x 20'	20' x 40'	20' x 70'	30' x 30'	30' x 45'	30' x 75'	55' x 55'	55' x 60'	55' x 90'	ASYM
<b>2200K</b>														
Lumens	714	673	664	686	996	967	997	986	956	958	981	949	930	871
LPW	74	69	68	71	105	102	105	104	101	101	103	100	98	92
CBCP	45124	14152	3581	2224	6894	2910	1846	3405	2082	1290	1014	897	621	1209
<b>2700K</b>														
Lumens	864	814	804	830	1187	1152	1188	1175	1139	1141	1168	1131	1109	1037
Efficacy	89	84	83	86	125	121	125	124	120	120	123	119	117	109
CBCP	54587	17120	4332	2690	8214	3467	2199	4057	2481	1537	1208	1069	740	1440
<b>3000K</b>														
Lumens	879	828	818	844	1210	1174	1211	1198	1160	1163	1191	1153	1130	1057
Efficacy	91	85	84	87	127	124	127	126	122	122	125	121	119	111
CBCP	55531	17416	4407	2737	8371	3533	2241	4135	2528	1566	1231	1090	754	1468
<b>3500K</b>														
Lumens	900	848	838	865	1241	1205	1243	1229	1191	1194	1222	1183	1159	1085
Efficacy	93	87	86	89	131	127	131	129	125	126	129	125	122	114
CBCP	56885	17840	4515	2804	8590	3626	2300	4243	2595	1607	1263	1118	774	1506
<b>4000K</b>														
Lumens	931	877	866	895	1268	1231	1270	1256	1216	1220	1248	1208	1184	1108
Efficacy	96	90	89	92	134	130	134	132	128	128	131	127	125	117
CBCP	58833	18451	4670	2900	8776	3704	2350	4335	2651	1642	1290	1142	790	1539
<b>5000K</b>														
Lumens	970	914	902	932	1280	1243	1281	1267	1228	1231	1260	1220	1195	1119
Efficacy	100	94	93	96	135	131	135	133	129	130	133	128	126	118
CBCP	61283	19220	4864	3020	8857	3739	2371	4375	2675	1657	1302	1153	798	1553
<b>6500K</b>														
Lumens	975	919	908	937	1246	1209	1247	1233	1195	1198	1226	1187	1163	1088
Efficacy	101	95	94	97	131	127	131	130	126	126	129	125	122	115
CBCP	61643	19333	4893	3038	8619	3638	2308	4257	2603	1613	1267	1122	776	1511

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### L60 12W

	5' x 5'	10' x 10'	10' x 40'	10' x 65'	20' x 20'	20' x 40'	20' x 70'	30' x 30'	30' x 45'	30' x 75'	55' x 55'	55' x 60'	55' x 90'	ASYM
<b>2200K</b>														
Lumens	828	780	771	796	1212	1176	1213	1200	1162	1165	1193	1155	1132	1059
LPW	71	67	66	69	105	102	105	104	101	101	104	100	98	92
CBCP	52352	16419	4155	2580	8385	3540	2245	4142	2533	1569	1233	1092	755	1470
<b>2700K</b>														
Lumens	1002	944	932	963	1444	1402	1445	1430	1385	1388	1421	1376	1348	1262
Efficacy	86	81	80	83	126	122	126	124	120	121	124	120	117	110
CBCP	63330	19862	5026	3121	9991	4217	2675	4935	3018	1869	1469	1301	900	1752
<b>3000K</b>														
Lumens	1019	960	949	980	1471	1428	1473	1457	1411	1415	1448	1402	1374	1286
Efficacy	88	83	82	84	128	124	128	127	123	123	126	122	119	112
CBCP	64425	20205	5113	3175	10181	4298	2726	5029	3075	1905	1497	1325	917	1785
<b>3500K</b>														
Lumens	1044	984	972	1004	1510	1466	1512	1495	1448	1452	1486	1439	1410	1319
Efficacy	90	85	84	87	131	127	131	130	126	126	129	125	123	115
CBCP	65996	20698	5238	3253	10448	4410	2797	5161	3156	1955	1536	1360	941	1832
<b>4000K</b>														
Lumens	1080	1018	1005	1038	1543	1497	1544	1527	1480	1483	1518	1470	1441	1348
Efficacy	93	88	87	89	134	130	134	133	129	129	132	128	125	117
CBCP	68257	21407	5417	3364	10674	4506	2858	5272	3224	1997	1569	1390	961	1871
<b>5000K</b>														
Lumens	1125	1060	1047	1081	1557	1511	1559	1541	1493	1497	1532	1483	1454	1360
Efficacy	97	91	90	93	135	131	136	134	130	130	133	129	126	118
CBCP	71099	22298	5643	3504	10773	4547	2884	5321	3254	2016	1584	1402	970	1889
<b>6500K</b>														
Lumens	1131	1066	1053	1087	1515	1471	1517	1500	1453	1457	1491	1444	1415	1324
Efficacy	98	92	91	94	132	128	132	130	126	127	130	126	123	115
CBCP	71517	22429	5676	3525	10483	4425	2807	5178	3166	1961	1541	1365	944	1838

### L60 14W

	5' x 5'	10' x 10'	10' x 40'	10' x 65'	20' x 20'	20' x 40'	20' x 70'	30' x 30'	30' x 45'	30' x 75'	55' x 55'	55' x 60'	55' x 90'	ASYM
<b>2200K</b>														
Lumens	942	887	876	905	1405	1364	1407	1391	1348	1351	1383	1339	1312	1228
LPW	68	64	64	66	105	102	105	104	101	101	103	100	98	92
CBCP	59532	18670	4725	2934	9722	4104	2603	4802	2937	1819	1430	1266	876	1705
<b>2700K</b>														
Lumens	1139	1074	1060	1095	1674	1625	1676	1658	1606	1610	1648	1595	1563	1463
Efficacy	83	78	77	79	125	121	125	124	120	120	123	119	117	109
CBCP	72015	22585	5716	3549	11584	4890	3102	5722	3499	2167	1703	1508	1043	2031
<b>3000K</b>														
Lumens	1159	1092	1079	1114	1706	1656	1708	1689	1636	1640	1679	1626	1593	1491
Efficacy	84	79	78	81	127	124	127	126	122	122	125	121	119	111
CBCP	73261	22976	5815	3611	111804	4983	3161	5831	3565	2209	1736	1537	1063	2070
<b>3500K</b>														
Lumens	1187	1119	1105	1141	1751	1700	1753	1733	1679	1683	1723	1668	1635	1530
Efficacy	86	81	80	83	131	127	131	129	125	126	129	124	122	114
CBCP	75047	23536	5956	3699	12114	5114	3244	5984	3659	2266	1781	1577	1091	2124
<b>4000K</b>														
Lumens	1228	1157	1143	1180	1789	1736	1791	1771	1716	1720	1760	1704	1670	1563
Efficacy	89	84	83	86	133	130	134	132	128	128	131	127	125	117
CBCP	77618	24343	6160	3826	12376	5224	3314	6113	3738	2315	1820	1611	1115	2170
<b>5000K</b>														
Lumens	1279	1205	1190	1229	1805	1752	1807	1787	1731	1736	1777	1720	1686	1577
Efficacy	93	87	86	89	135	131	135	133	129	130	133	128	126	118
CBCP	80850	25356	6417	3985	12491	5273	3344	6170	3773	2337	1837	1626	1125	2190
<b>6500K</b>														
Lumens	1287	1212	1197	1237	1757	1705	1759	1739	1685	1689	1729	1674	1640	1535
Efficacy	93	88	87	90	131	127	131	130	126	126	129	125	122	115
CBCP	81325	25505	6455	4008	12155	5131	3254	6004	3671	2274	1787	1582	1095	2131

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### L60 16W

	5' x 5'	10' x 10'	10' x 40'	10' x 65'	20' x 20'	20' x 40'	20' x 70'	30' x 30'	30' x 45'	30' x 75'	55' x 55'	55' x 60'	55' x 90'	ASYM
<b>2200K</b>														
Lumens	1019	960	948	979	1603	1556	1605	1587	1538	1542	1578	1528	1497	1401
LPW	65	62	61	63	104	101	104	103	100	100	102	99	97	91
CBCP	64382	20191	5110	3173	11094	4683	2970	5480	3351	2076	1631	1444	999	1945
<b>2700K</b>														
Lumens	1232	1161	1147	1184	1910	1854	1912	1891	1832	1837	1880	1820	1784	1669
Efficacy	79	74	74	76	124	120	124	123	119	119	122	118	116	108
CBCP	77883	24426	6181	3839	13218	5580	3539	6529	3993	2473	1944	1721	1190	2318
<b>3000K</b>														
Lumens	1253	1181	1166	1205	1947	1890	1949	1927	1867	1872	1916	1855	1818	1701
Efficacy	80	76	75	77	126	123	127	125	121	122	124	120	118	110
CBCP	79229	24848	6288	3905	13470	5686	3607	6654	4069	2520	1981	1754	1213	2362
<b>3500K</b>														
Lumens	1284	1210	1195	1234	1998	1939	2000	1978	1916	1921	1966	1904	1866	1746
Efficacy	82	78	77	79	130	126	130	128	124	125	128	124	121	113
CBCP	81161	25454	6442	4000	13823	5835	3701	6828	4175	2586	2033	1800	1245	2424
<b>4000K</b>														
Lumens	1328	1251	1236	1276	2041	1981	2043	2021	1958	1962	2009	1945	1906	1783
Efficacy	85	80	79	82	133	129	133	131	127	127	130	126	124	116
CBCP	83941	26326	6662	4137	14122	5961	3781	6976	4266	2642	2076	1838	1272	2476
<b>5000K</b>														
Lumens	1383	1303	1287	1330	2060	2000	2062	2039	1976	1981	2027	1963	1924	1800
Efficacy	89	84	83	85	134	130	134	132	128	129	132	127	125	117
CBCP	87437	27422	6940	4310	14253	6017	3816	7040	4305	2667	2096	1856	1284	2499
<b>6500K</b>														
Lumens	1391	1311	1295	1337	2005	1946	2007	1985	1923	1927	1973	1910	1872	1752
Efficacy	89	84	83	86	130	126	130	129	125	125	128	124	122	114
CBCP	87951	27583	6981	4335	13870	5855	3714	6851	4189	2595	2039	1806	1249	2432

### L60 18W

	5' x 5'	10' x 10'	10' x 40'	10' x 65'	20' x 20'	20' x 40'	20' x 70'	30' x 30'	30' x 45'	30' x 75'	55' x 55'	55' x 60'	55' x 90'	ASYM
<b>2200K</b>														
Lumens	1089	1026	1013	1046	1786	1734	1788	1768	1713	1717	1758	1702	1668	1560
LPW	62	58	58	59	103	100	103	102	99	99	102	98	96	90
CBCP	68804	21578	5461	3391	12357	5216	3309	6104	3732	2312	1817	1609	1113	2166
<b>2700K</b>														
Lumens	1317	1241	1225	1266	2128	2065	2130	2107	2041	2046	2094	2027	1987	1859
Efficacy	75	70	70	72	123	119	123	122	118	118	121	117	115	107
CBCP	83232	26103	6606	4102	14723	6215	3942	7272	4447	2755	2165	1917	1326	2581
<b>3000K</b>														
Lumens	1340	1262	1247	1288	2168	2105	2171	2147	2080	2085	2134	2066	2025	1895
Efficacy	76	72	71	73	125	122	125	124	120	121	123	119	117	110
CBCP	84671	26555	6720	4173	15003	6333	4017	7411	4532	2807	2206	1953	1351	2630
<b>3500K</b>														
Lumens	1372	1293	1277	1319	2225	2160	2228	2203	2134	2140	2190	2120	2078	1944
Efficacy	78	73	73	75	129	125	129	127	123	124	127	123	120	112
CBCP	86736	27202	6884	4275	15396	6499	4122	7605	4650	2881	2264	2004	1387	2699
<b>4000K</b>														
Lumens	1419	1337	1321	1364	2273	2207	2276	2251	2180	2186	2237	2166	2123	1986
Efficacy	81	76	75	78	131	128	132	130	126	126	129	125	123	115
CBCP	89707	28134	7120	4421	15729	6640	4212	7770	4751	2943	2313	2048	1417	2758
<b>5000K</b>														
Lumens	1478	1393	1376	1421	2294	2227	2297	2272	2201	2206	2258	2186	2142	2005
Efficacy	84	79	78	81	133	129	133	131	127	128	131	126	124	116
CBCP	93443	29306	7416	4606	15875	6701	4251	7842	4795	2970	2334	2067	1430	2783
<b>6500K</b>														
Lumens	1487	1401	1384	1429	2233	2167	2235	2210	2141	2147	2197	2127	2085	1951
Efficacy	84	80	79	81	129	125	129	128	124	124	127	123	121	113
CBCP	93992	29478	7460	4633	15448	6521	4136	7631	4666	2890	2271	2011	1391	2708

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## 90 CRI

### L0 2W

	5' x 5'	10' x 10'	10' x 40'	10' x 65'	20' x 20'	20' x 40'	20' x 70'	30' x 30'	30' x 45'	30' x 75'	55' x 55'	55' x 60'	55' x 90'	ASYM
<b>2700K</b>														
Lumens	88	83	82	85	91	88	91	90	87	87	89	86	85	79
Efficacy	46	44	43	44	53	52	53	53	51	51	53	51	50	47
CBCP	5559	1743	441	274	628	265	168	310	190	117	92	82	57	110
<b>3000K</b>														
Lumens	100	94	93	96	93	90	93	92	89	89	91	89	87	81
Efficacy	53	50	49	51	55	53	55	54	52	53	54	52	51	48
CBCP	6327	1984	502	312	643	271	172	318	194	120	95	84	58	113
<b>3500K</b>														
Lumens	108	102	101	104	96	93	96	95	92	92	95	92	90	84
Efficacy	57	54	53	55	57	55	57	56	54	54	56	54	53	49
CBCP	6832	2143	542	337	665	281	178	329	201	124	98	87	60	117
<b>4000K</b>														
Lumens	104	101	104	103	95	92	95	94	91	91	93	91	89	83
Efficacy	55	53	55	54	56	54	56	55	54	54	55	53	52	49
CBCP	6564	2115	559	332	657	277	176	325	199	123	97	86	59	115

### L90 4W

	5' x 5'	10' x 10'	10' x 40'	10' x 65'	20' x 20'	20' x 40'	20' x 70'	30' x 30'	30' x 45'	30' x 75'	55' x 55'	55' x 60'	55' x 90'	ASYM
<b>2700K</b>														
Lumens	255	240	237	245	301	293	302	298	289	290	297	287	281	263
Efficacy	62	59	58	60	81	79	82	81	78	78	80	78	76	71
CBCP	16124	5057	1280	795	2085	880	558	1030	630	390	307	271	188	366
<b>3000K</b>														
Lumens	290	274	270	279	308	299	309	305	296	297	304	294	288	270
Efficacy	71	67	66	68	83	81	83	83	80	80	82	79	78	73
CBCP	18352	5756	1457	905	2134	901	571	1054	645	399	314	278	192	374
<b>3500K</b>														
Lumens	314	295	292	301	319	310	320	316	306	307	314	304	298	279
Efficacy	76	72	71	73	86	84	86	85	83	83	85	82	81	75
CBCP	19817	18673	18442	19047	2209	932	591	1091	667	413	325	288	199	387
<b>4000K</b>														
Lumens	312	294	290	299	315	306	316	312	302	303	310	300	295	276
Efficacy	76	72	71	73	85	83	85	84	82	82	84	81	80	74
CBCP	19692	18555	18326	18927	2182	921	584	1078	659	408	321	284	197	383

### L90 5W

	5' x 5'	10' x 10'	10' x 40'	10' x 65'	20' x 20'	20' x 40'	20' x 70'	30' x 30'	30' x 45'	30' x 75'	55' x 55'	55' x 60'	55' x 90'	ASYM
<b>2700K</b>														
Lumens	327	308	304	314	434	421	435	430	416	418	427	414	405	379
Efficacy	64	60	60	62	92	90	92	91	89	89	91	88	86	81
CBCP	20665	6481	1640	1018	3004	1268	804	1484	907	562	442	391	271	527
<b>3000K</b>														
Lumens	372	351	346	358	444	431	445	440	426	427	437	423	415	388
Efficacy	73	58	44	37	95	92	95	94	91	91	93	90	88	83
CBCP	23519	7376	1867	1159	3075	1298	823	1519	929	575	452	400	277	539
<b>3500K</b>														
Lumens	402	379	374	386	460	446	460	455	441	442	453	438	430	402
Efficacy	79	74	73	76	98	95	98	97	94	94	96	93	91	86
CBCP	25397	7965	2016	1252	3183	1343	852	1572	961	595	468	414	287	558
<b>4000K</b>														
Lumens	399	376	372	384	454	441	455	450	436	437	447	433	424	397
Efficacy	78	74	73	75	97	94	97	96	93	93	95	92	90	84
CBCP	25237	7915	2003	1244	3144	1327	842	1553	950	588	462	409	283	551

### L90 6W

	5' x 5'	10' x 10'	10' x 40'	10' x 65'	20' x 20'	20' x 40'	20' x 70'	30' x 30'	30' x 45'	30' x 75'	55' x 55'	55' x 60'	55' x 90'	ASYM
<b>2700K</b>														
Lumens	396	373	369	381	553	537	554	548	531	532	545	527	517	483
Efficacy	66	62	61	63	97	94	97	96	93	93	96	92	91	85
CBCP	25035	23590	23298	24063	3828	1616	1025	1891	1156	716	563	498	345	671
<b>3000K</b>														
Lumens	451	425	420	433	566	550	567	561	543	545	557	540	529	495
Efficacy	75	71	70	72	99	96	99	98	95	96	98	95	93	87
CBCP	28494	8936	2262	1404	3919	1654	1049	1936	1184	733	576	510	353	687
<b>3500K</b>														
Lumens	487	459	453	468	586	569	587	580	562	564	577	558	547	512
Efficacy	81	76	76	78	103	100	103	102	99	99	101	98	96	90
CBCP	30769	9650	2442	1517	4055	1712	1086	2003	1225	759	596	528	365	711
<b>4000K</b>														
Lumens	484	456	450	465	579	562	580	573	555	557	570	552	541	506
Efficacy	81	76	75	77	102	99	102	101	97	98	100	97	95	89
CBCP	30575	9589	2427	1507	4007	1691	1073	1979	1210	750	589	522	361	702

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## 90 CRI

### L60 8W

	5' x 5'	10'x10'	10' x 40'	10' x 65'	20' x 20'	20' x 40'	20' x 70'	30' x 30'	30' x 45'	30' x 75'	55' x 55'	55' x 60'	55' x 90'	ASYM
<b>2700K</b>														
Lumens	519	489	483	499	789	765	789	781	756	758	776	751	736	689
Efficacy	67	63	62	64	104	101	104	103	100	100	102	99	97	91
CBCP	32800	10287	2603	1617	5456	2303	1461	2695	1648	1021	802	710	491	957
<b>3000K</b>														
Lumens	591	557	550	568	807	784	808	799	774	776	794	769	754	705
Efficacy	76	71	70	73	106	103	106	105	102	102	105	101	99	93
CBCP	37332	11708	2963	1840	5585	2358	1495	2759	1687	1045	821	727	503	979
<b>3500K</b>														
Lumens	638	601	594	613	835	811	836	827	801	803	822	796	780	730
Efficacy	82	77	76	79	110	107	110	109	105	106	108	105	103	96
CBCP	40312	12643	3200	1987	5780	2440	1548	2855	1746	1081	850	752	521	1013
<b>4000K</b>														
Lumens	634	597	590	609	825	801	826	817	792	794	812	786	771	721
Efficacy	81	77	76	78	109	105	109	108	104	104	107	103	101	95
CBCP	40058	12563	3179	1974	5710	2411	1529	2821	1725	1068	840	743	514	1001

### L60 10W

	5' x 5'	10'x10'	10' x 40'	10' x 65'	20' x 20'	20' x 40'	20' x 70'	30' x 30'	30' x 45'	30' x 75'	55' x 55'	55' x 60'	55' x 90'	ASYM
<b>2700K</b>														
Lumens	637	600	593	612	1007	978	1008	997	966	968	991	960	940	880
Efficacy	66	62	61	63	106	103	106	105	102	102	104	101	99	93
CBCP	40268	12629	3196	1985	6968	2942	1866	3442	2105	1304	1025	907	628	1222
<b>3000K</b>														
Lumens	725	683	675	697	1031	1001	1032	1021	989	991	1015	982	963	901
Efficacy	75	70	70	72	109	105	109	107	104	104	107	103	101	95
CBCP	45832	14374	3638	2259	7133	3011	1910	3523	2155	1335	1049	929	642	1251
<b>3500K</b>														
Lumens	783	738	729	753	1067	1036	1068	1056	1023	1026	1050	1016	996	932
Efficacy	81	76	75	78	112	109	112	111	108	108	111	107	105	98
CBCP	49491	15521	3928	2439	7382	3116	1976	3646	2230	1381	1085	961	665	1294
<b>4000K</b>														
Lumens	778	733	724	748	1054	1023	1055	1044	1011	1013	1037	1004	984	921
Efficacy	80	76	75	77	111	108	111	110	106	107	109	106	104	97
CBCP	49178	15423	3903	2424	7293	3079	1953	3603	2203	1365	1072	949	657	1279

### L60 12W

	5' x 5'	10'x10'	10' x 40'	10' x 65'	20' x 20'	20' x 40'	20' x 70'	30' x 30'	30' x 45'	30' x 75'	55' x 55'	55' x 60'	55' x 90'	ASYM
<b>2700K</b>														
Lumens	739	696	688	710	1225	1189	1226	1213	1175	1178	1206	1167	1144	1070
Efficacy	64	60	59	61	107	103	107	105	102	102	105	101	99	93
CBCP	46718	14652	3708	2303	8476	3578	2269	4187	2560	1586	1246	1103	763	1486
<b>3000K</b>														
Lumens	841	793	783	809	1254	1217	1255	1241	1203	1206	1234	1195	1171	1096
Efficacy	73	68	67	70	109	106	109	108	105	105	107	104	102	95
CBCP	53172	16676	4220	2621	8676	3662	2323	4286	2621	1623	1276	1129	781	1521
<b>3500K</b>														
Lumens	908	856	845	873	1298	1260	1299	1285	1245	1248	1277	1236	1212	1134
Efficacy	78	74	73	75	113	110	113	112	108	108	111	108	105	99
CBCP	57418	18007	4557	2830	8978	3790	2404	4435	2712	1680	1320	1169	809	1574
<b>4000K</b>														
Lumens	903	851	840	868	1282	1244	1283	1269	1230	1233	1262	1222	1197	1120
Efficacy	78	73	72	75	111	108	112	110	107	107	110	106	104	97
CBCP	57055	17894	4528	2812	8871	3744	2375	4382	2679	1660	1304	1155	799	1555

### L60 14W

	5' x 5'	10'x10'	10' x 40'	10' x 65'	20' x 20'	20' x 40'	20' x 70'	30' x 30'	30' x 45'	30' x 75'	55' x 55'	55' x 60'	55' x 90'	ASYM
<b>2700K</b>														
Lumens	840	792	782	808	1420	1379	1422	1406	1362	1366	1398	1353	1326	1241
Efficacy	61	57	57	59	106	103	106	105	102	102	104	101	99	93
CBCP	53125	16661	4217	2618	9827	4148	2631	4854	2968	1839	1445	1279	885	1723
<b>3000K</b>														
Lumens	957	901	890	919	1454	1411	1455	1439	1394	1398	1431	1385	1358	1270
Efficacy	69	65	65	67	108	105	109	107	104	104	107	103	101	95
CBCP	60465	18963	4799	2980	10059	4246	2693	4969	3038	1882	1479	1310	906	1764
<b>3500K</b>														
Lumens	1033	973	961	993	1504	1460	1506	1490	1443	1447	1481	1433	1405	1315
Efficacy	75	71	70	72	112	109	112	111	108	108	111	107	105	98
CBCP	65293	20477	5182	3218	10410	4394	2787	5142	3144	1948	1531	1355	938	1825
<b>4000K</b>														
Lumens	1026	967	955	987	1486	1443	1488	1472	1426	1429	1463	1416	1388	1299
Efficacy	74	70	69	71	111	108	111	110	106	107	109	106	104	97
CBCP	64880	20348	5149	3198	10285	4342	2754	5080	3107	1924	1512	1339	926	1803

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## 90 CRI

### L60 16W

	5' x 5'	10' x 10'	10' x 40'	10' x 65'	20' x 20'	20' x 40'	20' x 70'	30' x 30'	30' x 45'	30' x 75'	55' x 55'	55' x 60'	55' x 90'	ASYM
<b>2700K</b>														
Lumens	909	856	846	874	1621	1573	1622	1605	1554	1558	1595	1544	1513	1416
Efficacy	58	55	54	56	105	102	105	104	101	101	104	100	98	92
CBCP	57454	18019	4560	2832	11214	4734	3002	5539	3387	2098	1649	1460	1010	1966
<b>3000K</b>														
Lumens	1035	975	963	994	1659	1610	1661	1642	1591	1595	1633	1581	1549	1450
Efficacy	66	62	62	64	108	105	108	107	103	104	106	103	101	94
CBCP	65391	20508	5190	3223	11479	4845	3073	5670	3467	2148	1688	1494	1034	2013
<b>3500K</b>														
Lumens	1117	1053	1040	1074	1717	1667	1719	1700	1647	1651	1690	1636	1603	1500
Efficacy	72	67	67	69	111	108	112	110	107	107	110	106	104	97
CBCP	70612	22145	5604	3480	11879	5014	3181	5868	3588	2222	1747	1546	1070	2083
<b>4000K</b>														
Lumens	1110	1046	1033	1067	1696	1647	1698	1679	1627	1631	1669	1616	1584	1482
Efficacy	71	67	66	68	110	107	110	109	106	106	108	105	103	96
CBCP	70166	22005	5569	3458	11736	4954	3142	5797	3545	2196	1726	1528	1057	2058

### L60 18W

	5' x 5'	10' x 10'	10' x 40'	10' x 65'	20' x 20'	20' x 40'	20' x 70'	30' x 30'	30' x 45'	30' x 75'	55' x 55'	55' x 60'	55' x 90'	ASYM
<b>2700K</b>														
Lumens	971	915	904	934	1805	1752	1807	1787	1731	1736	1777	1720	1686	1577
Efficacy	55	52	51	53	104	101	104	103	100	100	103	99	97	91
CBCP	61400	19256	4873	3026	12490	5272	3344	6169	3772	2337	1836	1626	1125	2190
<b>3000K</b>														
Lumens	1106	1042	1029	1063	1848	1794	1850	1829	1772	1777	1819	1761	1725	1615
Efficacy	63	59	58	60	107	104	107	106	102	103	105	102	100	93
CBCP	69882	21916	5546	3444	12785	5397	3423	6315	3862	2392	1880	1664	1151	2242
<b>3500K</b>														
Lumens	1194	1125	1111	1147	1912	1856	1914	1893	1834	1839	1882	1822	1786	1671
Efficacy	68	64	63	65	111	107	111	109	106	106	109	105	103	97
CBCP	75462	23666	5989	3719	13230	5585	3542	6535	3996	2475	1945	1722	1192	2320
<b>4000K</b>														
Lumens	1186	1118	1104	1140	1889	1834	1891	1870	1812	1817	1859	1800	1764	1651
Efficacy	67	64	63	65	109	106	109	108	105	105	107	104	102	95
CBCP	74985	23517	5952	3696	13072	5518	3500	6457	3948	2446	1922	1702	1177	2292