

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**

**F170 SINGLE LOW OUTPUT (13 WATTS)**

	5"	10"	15"	20"	40"	60"	80"	15" x 60"	30" x 60"	60" x 15"	60" x 30"
<b>2200K</b>											
Lumens	973	966	930	901	686	710	664	850	843	850	843
Efficacy	75	74	80	69	53	55	51	65	65	65	65
CBCP	56,108	14,245	8,791	3,827	998	549	373	1,643	1,471	1,643	1,471
<b>2700K</b>											
Lumens	1,123	1,114	1,073	1,040	791	819	766	981	973	981	973
Efficacy	86	86	72	80	61	63	59	75	75	75	75
CBCP	64,741	16,437	10,144	4,416	1,152	633	430	1,896	1,697	1,896	1,697
<b>3000K</b>											
Lumens	1,140	1,131	1,090	1,056	803	832	778	996	988	996	988
Efficacy	88	87	83	81	62	64	60	77	76	77	76
CBCP	65,737	16,690	10,300	4,484	1,169	643	437	1,925	1,723	1,925	1,723
<b>3500K</b>											
Lumens	1,231	1,221	1,176	1,139	867	898	839	1,075	1,066	1,066	1,066
Efficacy	95	94	84	88	67	69	65	83	83	83	82
CBCP	70,938	18,010	11,115	4,838	1,262	694	472	2,077	1,859	2,077	1,859
<b>4000K</b>											
Lumens	1,258	1,247	1,202	1,164	886	917	858	1,099	1,089	1,099	1,089
Efficacy	97	96	90	90	68	71	66	85	84	85	84
CBCP	72,487	18,404	11,357	4,944	1,290	709	482	2,123	1,900	2,123	1,900
<b>5000K</b>											
Lumens	1,297	1,287	1,239	1,201	913	946	884	1,133	1,123	1,133	1,123
Efficacy	100	99	92	92	70	73	68	87	86	87	86
CBCP	74,756	18,980	11,713	5,099	1,330	731	497	2,189	1,960	2,189	1,960
<b>6500K</b>											
Lumens	1,199	1,189	1,146	1,110	844	875	818	1,047	1,039	1,047	1,039
Efficacy	92	91	85	85	65	67	63	81	80	81	80
CBCP	69,112	17,547	10,829	4,714	1,230	676	459	2,024	1,812	2,024	1,812

**F170 SINGLE MED OUTPUT (25 WATTS)**

	5"	10"	15"	20"	40"	60"	80"	15" x 60"	30" x 60"	60" x 15"	60" x 30"
<b>2200K</b>											
Lumens	1,686	1,672	1,611	1,561	1,187	1,230	1,150	1,473	1,460	1,473	1,460
Efficacy	67	67	64	62	47	49	46	59	58	59	58
CBCP	97,166	24,669	15,224	6,627	1,729	950	646	2,845	2,547	2,845	2,547
<b>2700K</b>											
Lumens	1,973	1,957	1,885	1,826	1,389	1,439	1,345	1,723	1,709	1,723	1,709
Efficacy	79	78	75	73	56	58	54	69	68	69	68
CBCP	113,711	28,870	17,816	7,756	2,023	1,112	756	3,330	2,981	3,330	2,981
<b>3000K</b>											
Lumens	1,999	1,983	1,910	1,850	1,408	1,458	1,363	1,746	1,731	1,746	1,731
Efficacy	80	79	76	74	56	58	55	70	69	70	69
CBCP	115,205	29,249	18,051	7,858	2,050	1,126	766	3,374	3,020	3,374	3,020
<b>3500K</b>											
Lumens	2,049	2,032	1,957	1,897	1,443	1,495	1,397	1,790	1,775	1,790	1,775
Efficacy	82	81	78	76	58	60	56	72	71	72	71
CBCP	118,082	29,980	18,501	8,054	2,101	1,155	785	3,458	3,095	3,458	3,095
<b>4000K</b>											
Lumens	2,131	2,114	2,036	1,973	1,501	1,555	1,453	1,862	1,846	1,862	1,846
Efficacy	85	85	81	79	60	62	58	74	74	74	74
CBCP	122,841	31,188	19,247	8,379	2,185	1,201	817	3,597	3,330	3,597	3,330
<b>5000K</b>											
Lumens	2,244	2,226	2,144	2,078	1,581	1,637	1,530	1,061	1,944	1,061	1,944
Efficacy	90	89	86	83	63	65	61	78	78	78	78
CBCP	129,370	32,845	20,270	8,824	2,302	1,265	860	3,788	3,391	3,788	3,391
<b>6500K</b>											
Lumens	2,094	2,077	2,000	1,938	1,475	1,527	1,428	1,829	1,814	1,829	1,814
Efficacy	84	83	80	78	59	61	57	73	73	73	73
CBCP	120,683	30,640	18,909	8,231	2,147	1,180	802	3,534	3,163	3,534	3,163

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DATE	PROJECT	FIRM	TYPE
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# 80 CRI

## F170 SINGLE HIGH OUTPUT (38 WATTS)

	5'	10'	15'	20'	40'	60'	80'	15' x 60'	30' x 60'	60' x 15'	60' x 30'
<b>2200K</b>											
Lumens	2,173	2,156	2,077	2,012	1,531	1,586	1,482	1,899	1,883	1,899	1,883
Efficacy	57	57	55	53	40	42	39	50	50	50	50
CBCP	125,276	31,806	19,628	8,545	2,229	1,225	833	3,668	3,284	3,668	3,284
<b>2700K</b>											
Lumens	2,580	2,560	2,465	2,389	1,817	1,883	1,760	2,254	2,235	2,254	2,235
Efficacy	68	67	65	63	48	50	46	59	59	59	59
CBCP	148,737	37,762	23,304	10,145	2,646	1,454	989	4,355	3,899	4,335	3,899
<b>3000K</b>											
Lumens	2,651	2,629	2,532	2,454	1,867	1,934	1,807	2,315	2,296	2,315	2,296
Efficacy	70	69	67	65	49	51	48	61	60	61	61
CBCP	152,777	38,788	23,937	10,420	2,718	1,494	1,016	4,474	4,005	4,474	4,005
<b>3500K</b>											
Lumens	2,756	2,734	2,633	2,552	1,941	2,011	1,879	2,408	2,387	2,408	2,387
Efficacy	73	72	69	67	51	53	49	63	63	63	63
CBCP	158,863	40,333	24,891	10,835	2,826	1,553	1,056	4,652	4,164	4,652	4,164
<b>4000K</b>											
Lumens	2,878	2,855	2,750	2,665	2,027	2,100	1,963	2,514	2,493	2,514	2,493
Efficacy	76	75	72	70	53	55	52	66	66	66	66
CBCP	165,891	42,117	25,992	11,315	2,951	1,622	1,103	4,858	4,348	4,858	4,348
<b>5000K</b>											
Lumens	3,012	2,987	2,877	2,788	2,121	2,197	2,054	2,631	2,609	2,631	2,609
Efficacy	79	79	76	73	56	58	54	69	69	69	69
CBCP	173,582	44,070	27,197	11,839	3,088	1,697	1,154	5,083	4,550	5,083	4,550
<b>6500K</b>											
Lumens	2,750	2,728	2,628	2,546	1,937	2,007	1,875	2,403	2,382	2,403	2,382
Efficacy	72	72	69	67	51	53	49	63	63	63	63
CBCP	185,531	40,249	24,839	10,813	2,820	1,550	1,054	4,642	4,156	4,642	4,156

## F170 DUO LOW OUTPUT (26 WATTS)

	5'	10'	15'	20'	40'	60'	80'	15' x 60'	30' x 60'	60' x 15'	60' x 30'
<b>2200K</b>											
Lumens	1,947	1,931	1,860	1,802	1,371	1,420	1,328	1,701	1,686	1,701	1,686
Efficacy	75	74	72	69	53	55	51	65	65	65	65
CBCP	112,217	28,490	17,582	7,654	1,996	1,097	746	3,286	2,942	3,286	2,942
<b>2700K</b>											
Lumens	2,246	2,228	2,146	2,080	1,582	1,639	1,532	1,962	1,946	1,962	1,946
Efficacy	86	86	83	80	61	63	59	75	75	75	75
CBCP	129,481	32,874	20,287	8,831	2,303	1,266	861	3,792	3,394	3,792	3,394
<b>3000K</b>											
Lumens	2,281	2,263	2,179	2,112	1,607	1,664	1,555	1,993	1,976	1,993	1,976
Efficacy	88	87	84	81	62	64	60	77	76	77	76
CBCP	131,473	33,379	20,599	8,967	2,339	1,285	874	3,850	3,446	3,850	3,446
<b>3500K</b>											
Lumens	2,461	2,442	2,352	2,279	1,734	1,796	1,678	2,150	2,132	2,150	2,132
Efficacy	95	94	90	88	67	69	65	83	82	83	82
CBCP	141,876	36,807	22,229	9,677	2,524	1,387	943	4,155	3,719	4,155	3,719
<b>4000K</b>											
Lumens	2,515	2,495	2,403	2,329	1,771	1,835	1,715	2,197	2,179	2,197	2,179
Efficacy	97	96	92	90	68	71	66	85	84	85	84
CBCP	144,975	36,807	22,715	9,888	2,579	1,417	964	4,245	3,800	4,245	3,800
<b>5000K</b>											
Lumens	2,594	2,573	2,478	2,401	1,827	1,892	1,769	2,266	2,247	2,266	2,247
Efficacy	100	99	95	92	70	73	68	87	86	87	86
CBCP	149,512	37,959	23,426	10,198	2,660	1,462	994	4,378	3,919	4,378	3,919
<b>6500K</b>											
Lumens	2,398	2,379	2,291	2,220	1,689	1,749	1,635	2,095	2,077	2,095	2,077
Efficacy	92	91	88	85	65	67	63	81	80	81	80
CBCP	138,224	35,093	21,657	9,428	2,459	1,351	919	4,048	3,623	4,048	3,623

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DATE	PROJECT	FIRM	TYPE
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# 80 CRI

## F170 DUO MED OUTPUT (52 WATTS)

	5'	10'	15'	20'	40'	60'	80'	15' x 60'	30' x 60'	60' x 15'	60' x 30'
<b>2200K</b>											
Lumens	3,372	3,344	3,221	3,121	2,375	2,460	2,299	2,945	2,921	2,945	2,921
Efficacy	65	64	62	60	46	47	44	57	56	57	56
CBCP	194,332	49,338	30,448	13,255	3,457	1,900	1,292	5,691	5,094	5,691	5,094
<b>2700K</b>											
Lumens	3,946	3,914	3,770	3,653	2,779	2,878	2,690	3,447	3,418	3,447	3,418
Efficacy	76	75	72	70	53	55	52	66	66	66	66
CBCP	227,422	57,739	35,633	15,512	4,046	2,224	1,512	6,660	5,961	6,660	5,961
<b>3000K</b>											
Lumens	3,997	3,965	3,819	3,701	2,815	2,916	2,726	3,492	3,463	3,492	3,463
Efficacy	77	76	73	71	54	56	52	67	67	67	67
CBCP	230,410	58,498	36,101	15,715	4,099	2,253	1,532	6,747	6,040	6,747	6,040
<b>3500K</b>											
Lumens	4,097	4,064	3,915	3,793	2,886	2,989	2,794	3,579	3,549	3,579	3,549
Efficacy	79	78	75	73	55	57	54	69	68	69	68
CBCP	236,165	59,959	37,003	16,108	4,201	2,309	1,570	6,916	6,191	6,916	6,191
<b>4000K</b>											
Lumens	4,462	4,228	4,07	3,946	3,002	3,110	2,907	3,723	3,692	3,723	3,692
Efficacy	82	81	78	76	58	60	56	72	71	72	71
CBCP	245,682	62,375	38,494	16,757	4,371	2,402	1,633	7,194	6,440	7,194	6,440
<b>5000K</b>											
Lumens	4,489	4,453	4,289	4,156	3,162	3,275	3,061	3,921	3,888	3,921	3,888
Efficacy	86	86	82	80	61	63	59	75	75	75	75
CBCP	258,741	65,691	40,540	17,648	4,603	2,530	1,720	7,577	6,782	7,577	6,782
<b>6500K</b>											
Lumens	4,188	4,154	4,001	3,877	2,949	3,055	2,855	3,658	3,627	3,658	3,627
Efficacy	81	80	77	75	57	59	55	70	70	70	70
CBCP	241,366	61,280	37,818	16,463	4,294	2,360	1,604	7,068	6,327	7,068	6,327

## F170 DUO HIGH OUTPUT (78 WATTS)

	5'	10'	15'	20'	40'	60'	80'	15' x 60'	30' x 60'	60' x 15'	60' x 30'
<b>2200K</b>											
Lumens	4,347	4,312	4,153	4,024	3,062	3,171	2,964	3,797	3,765	3,797	3,765
Efficacy	56	55	53	52	39	41	38	49	48	49	48
CBCP	250,552	63,612	39,257	17,089	4,457	2,450	1,665	7,337	6,568	7,337	6,568
<b>2700K</b>											
Lumens	5,161	5,119	4,931	4,778	3,635	3,765	3,519	4,508	4,471	4,508	4,471
Efficacy	66	66	63	61	47	48	45	58	57	58	57
CBCP	297,475	75,525	46,609	20,290	5,292	2,908	1,977	8,711	7,798	8,711	7,798
<b>3000K</b>											
Lumens	5,301	5,258	5,065	4,908	3,734	3,867	3,615	4,631	4,592	4,631	4,592
Efficacy	68	67	65	63	48	50	46	59	59	59	59
CBCP	305,553	77,576	47,875	20,841	5,436	2,987	2,031	8,947	8,009	8,947	8,009
<b>3500K</b>											
Lumens	5,512	5,468	5,267	5,103	3,882	4,021	3,759	4,815	4,775	4,815	4,775
Efficacy	71	70	68	65	50	52	48	62	61	62	61
CBCP	317,727	80,667	49,782	21,671	5,652	3,106	2,112	9,304	8,329	9,304	8,329
<b>4000K</b>											
Lumens	5,756	5,710	5,499	5,329	4,054	4,199	3,925	5,028	4,986	5,028	4,986
Efficacy	74	73	71	68	52	54	50	64	64	64	64
CBCP	331,782	84,235	51,984	22,630	5,902	3,244	2,205	9,715	8,697	9,715	8,697
<b>5000K</b>											
Lumens	6,023	5,975	5,754	5,576	4,242	4,394	4,107	5,261	5,217	5,261	5,217
Efficacy	77	77	74	71	54	56	53	67	67	67	67
CBCP	347,164	88,140	54,394	23,679	6,176	3,394	2,308	10,166	9,100	10,166	9,100
<b>6500K</b>											
Lumens	5,501	5,457	5,256	5,093	3,874	4,013	3,751	4,805	4,765	4,805	4,765
Efficacy	71	70	67	65	50	51	48	62	61	62	61
CBCP	317,063	80,498	49,678	21,626	5,641	3,100	2,108	9,284	8,311	9,284	8,311

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DATE	PROJECT	FIRM	TYPE
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80 CRI

F170 QUAD LOW OUTPUT (52 WATTS)

	5'	10'	15'	20'	40'	60'	80'	15' x 60'	30' x 60'	60' x 15'	60' x 30'
<b>2200K</b>											
Lumens	3,894	3,862	3,720	3,605	2,742	2,841	2,655	3,401	3,373	3,401	3,373
Efficacy	75	74	72	69	53	55	51	65	65	65	65
CBCP	224,434	56,981	35,165	15,308	3,993	2,194	1,492	6,572	5,883	6,572	5,883
<b>2700K</b>											
Lumens	4,493	4,457	4,292	4,159	3,164	3,278	3,064	3,925	3,892	3,925	3,892
Efficacy	86	86	83	80	61	63	59	75	75	75	75
CBCP	258,962	65,747	40,575	17,663	4,607	2,532	1,721	7,583	6,788	7,583	6,788
<b>3000K</b>											
Lumens	4,562	4,525	4,359	4,223	3,213	3,328	3,111	3,985	3,952	3,985	3,952
Efficacy	88	87	84	81	62	64	60	77	76	77	76
CBCP	262,946	66,759	41,199	17,935	4,678	2,571	1,748	7,700	6,893	7,700	6,893
<b>3500K</b>											
Lumens	4,923	4,883	4,703	4,558	3,467	3,591	3,357	4,300	4,264	4,300	4,264
Efficacy	95	94	90	88	67	69	65	83	82	83	82
CBCP	283,752	72,041	44,459	19,354	5,048	2,774	1,886	8,309	7,438	8,309	7,438
<b>4000K</b>											
Lumens	5,030	4,990	4,806	4,657	3,543	3,670	3,430	4,394	4,357	4,394	4,357
Efficacy	97	96	92	90	68	71	66	85	84	85	84
CBCP	289,949	73,614	45,430	19,776	5,158	2,835	1,927	8,491	7,600	8,491	7,600
<b>5000K</b>											
Lumens	5,188	5,146	4,957	4,803	3,654	3,785	3,538	4,532	4,494	4,532	4,494
Efficacy	100	99	95	92	70	73	68	87	86	87	86
CBCP	299,024	75,918	46,852	20,395	5,320	2,924	1,988	8,756	7,838	8,756	7,838
<b>6500K</b>											
Lumens	4,796	4,758	4,582	4,440	3,378	3,499	3,270	4,190	4,155	4,190	4,155
Efficacy	92	91	88	85	65	67	63	81	80	81	80
CBCP	276,448	70,186	43,314	18,855	4,918	2,703	1,838	8,095	7,247	8,095	7,247

F170 QUAD MED OUTPUT (104 WATTS)

	5'	10'	15'	20'	40'	60'	80'	15' x 60'	30' x 60'	60' x 15'	60' x 30'
<b>2200K</b>											
Lumens	6,743	6,689	6,442	6,243	4,749	4,919	4,598	5,890	5,841	5,890	5,841
Efficacy	65	64	62	60	46	47	44	57	56	57	56
CBCP	388,665	98,677	60,897	26,509	6,914	3,800	2,584	11,381	10,188	11,381	10,188
<b>2700K</b>											
Lumens	7,891	7,828	7,539	7,306	5,558	5,757	5,381	6,893	6,836	6,893	6,836
Efficacy	76	75	72	70	53	55	52	66	66	66	66
CBCP	454,844	115,479	71,266	31,023	8,092	4,447	3,023	13,319	11,923	13,319	11,923
<b>3000K</b>											
Lumens	7,995	7,931	7,638	7,402	5,631	5,833	5,452	6,984	6,925	6,984	6,925
Efficacy	77	76	73	71	54	56	52	67	67	67	67
CBCP	460,820	116,996	72,202	31,431	8,198	4,505	3,063	13,494	12,079	13,494	12,079
<b>3500K</b>											
Lumens	8,195	8,129	7,829	7,587	5,772	5,978	5,588	7,158	7,098	7,158	7,098
Efficacy	79	78	75	73	55	57	54	69	68	69	68
CBCP	472,330	119,918	74,006	32,216	8,403	4,618	3,140	13,831	12,381	13,831	12,381
<b>4000K</b>											
Lumens	8,525	8,456	8,145	7,892	6,004	6,219	5,813	7,447	7,384	7,447	7,384
Efficacy	82	81	78	76	58	60	56	72	71	72	71
CBCP	491,364	124,751	76,988	33,514	8,741	4,804	3,266	14,389	12,880	14,389	12,880
<b>5000K</b>											
Lumens	8,978	8,906	8,578	8,312	6,323	6,550	6,122	7,843	7,777	7,843	7,777
Efficacy	86	86	82	80	61	63	59	75	75	75	75
CBCP	517,482	131,382	81,080	35,295	9,206	5,059	3,440	15,153	13,565	15,153	13,565
<b>6500K</b>											
Lumens	8,375	8,308	8,002	7,754	5,899	6,110	5,711	7,316	7,255	7,316	7,255
Efficacy	81	80	77	75	57	59	55	70	70	70	70
CBCP	482,732	122,559	75,636	32,925	8,588	4,720	3,209	14,136	12,654	14,136	12,654

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

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DATE	PROJECT	FIRM	TYPE
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# 80 CRI

## F170 QUAD HIGH OUTPUT (156 WATTS)

	5'	10'	15'	20'	40'	60'	80'	15' x 60'	30' x 60'	60' x 15'	60' x 30'
<b>2200K</b>											
Lumens	8,694	8,624	8,306	8,049	6,123	6,342	5,928	7,594	7,531	7,594	7,531
Efficacy	56	55	53	52	39	41	38	49	48	49	48
CBCP	501,103	127,223	78,514	34,178	8,915	4,899	3,331	14,674	13,135	14,674	13,135
<b>2700K</b>											
Lumens	10,322	10,239	9,862	9,556	7,270	7,530	7,038	9,017	8,941	9,017	8,941
Efficacy	66	66	63	61	47	48	45	58	57	58	57
CBCP	594,949	151,050	93,218	40,579	10,584	5,817	3,955	17,422	15,595	17,422	15,595
<b>3000K</b>											
Lumens	10,602	10,517	10,129	9,816	7,467	7,735	7,230	9,261	9,184	9,261	9,184
Efficacy	68	67	65	63	48	50	46	59	59	59	59
CBCP	611,107	155,152	95,749	41,681	10,872	5,975	4,062	17,895	16,019	17,895	16,019
<b>3500K</b>											
Lumens	11,025	10,936	10,533	10,207	7,765	8,043	7,518	9,630	9,550	9,630	9,550
Efficacy	71	70	68	65	50	52	48	62	61	62	61
CBCP	635,454	161,333	99,564	43,342	11,305	6,213	4,224	18,608	16,657	18,608	16,657
<b>4000K</b>											
Lumens	11,512	11,420	10,999	10,658	8,108	8,399	7,850	10,056	9,970	10,056	9,970
Efficacy	74	73	71	68	52	54	50	64	64	64	64
CBCP	663,563	168,470	103,968	45,259	11,805	6,488	4,411	19,431	17,394	19,431	17,394
<b>5000K</b>											
Lumens	12,046	11,949	11,509	11,152	8,484	8,788	8,214	10,523	10,435	10,523	10,435
Efficacy	77	77	74	71	54	56	53	67	67	67	67
CBCP	694,329	176,281	108,789	47,357	12,352	6,789	4,615	20,332	18,200	20,332	18,200
<b>6500K</b>											
Lumens	11,002	10,913	10,511	10,185	7,749	8,026	7,502	9,610	9,530	9,610	9,530
Efficacy	71	70	67	65	50	51	48	62	61	62	61
CBCP	634,126	160,996	99,356	43,251	11,281	6,200	4,215	18,569	16,622	18,569	16,622

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**5/9**

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)

**90 CRI**

**F170 SINGLE LOW OUTPUT (13 WATTS)**

	5'	10'	15'	20'	40'	60'	80'	15' x 60'	30' x 60'	60' x 15'	60' x 30'
<b>2700K</b>											
Lumens	949	942	907	879	669	693	647	829	822	829	822
Efficacy	73	72	70	68	51	53	50	64	63	64	63
CBCP	54,725	13,894	8,574	3,733	974	535	364	1,603	1,435	1,603	1,435
<b>3000K</b>											
Lumens	1,002	994	958	928	706	731	683	875	868	875	868
Efficacy	77	76	74	71	54	56	53	67	67	67	67
CBCP	57,769	14,667	9,051	3,940	1,028	565	384	1,692	1,514	1,692	1,514
<b>3500K</b>											
Lumens	1,031	1,023	985	955	726	752	703	901	893	901	893
Efficacy	79	79	76	73	56	58	54	69	69	69	69
CBCP	59,429	15,088	9,311	4,053	1,057	581	395	1,740	1,558	1,740	1,558
<b>4000K</b>											
Lumens	1,047	1,039	1,001	970	738	764	714	915	907	915	907
Efficacy	81	80	77	75	57	59	55	70	70	70	70
CBCP	60,369	15,327	9,459	4,118	1,074	590	401	1,768	1,582	1,768	1,582

**F170 SINGLE MED OUTPUT (25 WATTS)**

	5'	10'	15'	20'	40'	60'	80'	15' x 60'	30' x 60'	60' x 15'	60' x 30'
<b>2700K</b>											
Lumens	1,410	1,399	1,347	1,306	993	1,029	962	1,232	1,222	1,232	1,222
Efficacy	56	56	54	52	40	41	38	49	49	49	49
CBCP	81,285	20,637	12,736	5,544	1,446	795	540	2,380	2,131	2,380	2,131
<b>3000K</b>											
Lumens	1,626	1,613	1,554	1,506	1,145	1,186	1,109	1,421	1,409	1,421	1,409
Efficacy	65	65	62	60	46	47	44	57	56	57	56
CBCP	93,735	23,798	14,687	6,393	1,668	916	623	2,745	2,457	2,745	2,457
<b>3500K</b>											
Lumens	1,766	1,752	1,688	1,635	1,244	1,289	1,204	1,543	1,530	1,530	1,530
Efficacy	71	70	68	65	50	52	48	62	61	62	61
CBCP	101,814	25,849	15,952	6,944	1,811	995	677	2,981	2,669	2,981	2,669
<b>4000K</b>											
Lumens	1,799	1,785	1,719	1,666	1,267	1,312	1,227	1,572	1,558	1,558	1,558
Efficacy	72	71	69	67	51	52	49	63	62	63	62
CBCP	103,696	26,327	16,247	7,073	1,845	1,014	689	3,036	2,718	3,036	2,718

**F170 SINGLE HIGH OUTPUT (38 WATTS)**

	5'	10'	15'	20'	40'	60'	80'	15' x 60'	30' x 60'	60' x 15'	60' x 30'
<b>2700K</b>											
Lumens	1,960	1,945	1,873	1,815	1,381	1,430	1,337	1,712	1,698	1,712	1,698
Efficacy	52	51	49	48	36	38	35	45	45	45	45
CBCP	54,725	13,894	8,574	3,733	974	535	364	1,603	1,435	1,603	1,435
<b>3000K</b>											
Lumens	2,069	2,052	1,977	1,915	1,457	1,509	1,411	1,807	1,792	1,807	1,792
Efficacy	54	54	52	50	38	40	37	48	47	48	47
CBCP	57,769	14,667	9,051	3,940	1,028	565	384	1,692	1,514	1,692	1,514
<b>3500K</b>											
Lumens	2,346	2,327	2,242	2,172	1,652	1,712	1,600	2,050	2,032	2,050	2,032
Efficacy	62	61	59	57	43	45	42	54	53	54	53
CBCP	59,429	15,088	9,311	4,053	1,057	581	395	1,740	1,558	1,740	1,558
<b>4000K</b>											
Lumens	2,489	2,469	2,378	2,305	1,753	1,816	1,697	2,174	2,156	2,174	2,156
Efficacy	66	65	63	61	46	48	45	57	57	57	57
CBCP	60,369	15,327	9,459	4,118	1,074	590	401	1,768	1,582	1,768	1,582

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DATE	PROJECT	FIRM	TYPE
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# 90 CRI

## F170 DUO LOW OUTPUT (26 WATTS)

	5'	10'	15'	20'	40'	60'	80'	15' x 60'	30' x 60'	60' x 15'	60' x 30'
<b>2700K</b>											
Lumens	1,899	1,884	1,814	1,758	1,337	1,385	1,295	1,659	1,645	1,659	1,645
Efficacy	73	72	70	68	51	53	50	64	63	64	63
CBCP	109,450	27,788	17,149	7,465	1,947	1,070	728	3,205	2,869	3,205	2,869
<b>3000K</b>											
Lumens	2,004	1,988	1,915	1,856	1,412	1,462	1,367	1,751	1,736	1,751	1,736
Efficacy	77	76	74	71	54	56	53	67	67	67	67
CBCP	115,537	29,333	18,103	7,880	2,055	1,130	768	3,383	3,029	3,383	3,029
<b>3500K</b>											
Lumens	2,062	2,045	1,970	1,909	1,452	1,504	1,406	1,801	1,786	1,801	1,786
Efficacy	79	79	76	73	56	58	54	69	69	69	69
CBCP	118,857	30,176	18,103	8,107	2,114	1,162	790	3,480	3,116	3,480	3,116
<b>4000K</b>											
Lumens	2,095	2,078	2,001	1,939	1,475	1,528	1,428	1,830	1,815	1,830	1,815
Efficacy	81	80	77	75	57	59	55	70	70	70	70
CBCP	120,738	20,654	18,918	8,235	2,148	1,180	802	3,536	3,165	3,536	3,165

## F170 DUO MED OUTPUT (52 WATTS)

	5'	10'	15'	20'	40'	60'	80'	15' x 60'	30' x 60'	60' x 15'	60' x 30'
<b>2700K</b>											
Lumens	2,820	2,798	2,695	2,611	1,987	2,058	1,923	2,646	2,443	2,646	2,443
Efficacy	54	54	52	50	38	40	37	47	47	47	47
CBCP	162,571	41,275	25,472	11,088	2,892	1,589	1,081	4,761	4,261	4,761	4,261
<b>3000K</b>											
Lumens	3,252	3,226	3,107	3,011	2,291	2,373	2,218	2,841	2,817	2,841	2,817
Efficacy	63	62	60	58	44	46	43	55	54	55	54
CBCP	187,471	47,596	29,373	12,787	3,335	1,833	1,246	5,490	4,914	5,490	4,914
<b>3500K</b>											
Lumens	3,533	3,504	3,375	3,271	2,488	2,577	2,409	3,086	3,060	3,086	3,060
Efficacy	68	67	65	63	48	50	46	59	59	59	59
CBCP	203,628	51,699	31,905	13,889	3,623	1,991	1,354	5,963	5,338	5,963	5,338
<b>4000K</b>											
Lumens	3,598	3,569	3,438	3,331	2,534	2,625	2,454	3,143	3,117	3,143	3,117
Efficacy	69	69	66	64	49	50	47	60	60	60	60
CBCP	207,391	52,654	32,494	14,145	3,690	2,028	1,379	6,073	5,436	6,073	5,436

## F170 DUO HIGH OUTPUT (78 WATTS)

	5'	10'	15'	20'	40'	60'	80'	15' x 60'	30' x 60'	60' x 15'	60' x 30'
<b>2700K</b>											
Lumens	3,921	3,889	3,746	3,630	2,761	2,860	2,673	3,425	3,396	3,425	3,396
Efficacy	50	50	48	47	35	37	34	44	44	44	44
CBCP	225,983	57,374	35,408	15,413	4,020	2,209	1,502	6,617	5,924	6,617	5,924
<b>3000K</b>											
Lumens	4,138	4,104	3,953	3,831	2,914	3,019	2,821	3,614	3,584	3,614	3,584
Efficacy	53	53	51	49	37	39	36	46	46	46	46
CBCP	238,489	60,549	37,367	16,266	4,243	2,332	1,585	6,984	6,251	6,984	6,251
<b>3500K</b>											
Lumens	4,692	4,655	4,483	4,344	3,305	3,423	3,200	4,099	4,065	4,099	4,065
Efficacy	60	60	57	56	42	44	41	53	52	53	52
CBCP	270,472	68,669	42,378	18,448	4,812	2,644	1,798	7,920	7,090	7,920	7,090
<b>4000K</b>											
Lumens	4,979	4,939	4,757	4,609	3,506	3,632	3,395	4,349	4,313	4,349	4,313
Efficacy	64	63	61	59	45	47	44	56	55	56	55
CBCP	286,961	72,856	44,962	19,573	5,105	2,806	1,907	8,403	7,522	8,403	7,522

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DATE	PROJECT	FIRM	TYPE
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# 90 CRI

## F170 QUAD LOW OUTPUT (52 WATTS)

	5'	10'	15'	20'	40'	60'	80'	15' x 60'	30' x 60'	60' x 15'	60' x 30'
<b>2700K</b>											
Lumens	3,798	3,767	3,628	3,516	2,675	2,771	2,590	3,317	3,290	3,317	3,290
Efficacy	73	72	70	68	51	53	50	64	63	64	63
CBCP	218,901	55,576	34,298	14,930	3,894	2,140	1,455	6,410	5,738	6,410	5,738
<b>3000K</b>											
Lumens	4,009	3,977	3,830	3,712	2,824	2,925	2,734	3,502	3,473	3,473	3,473
Efficacy	77	76	74	71	54	56	53	67	67	67	67
CBCP	231,074	58,667	36,205	15,761	4,111	2,259	1,536	6,766	6,057	6,766	6,057
<b>3500K</b>											
Lumens	4,124	4,091	3,940	3,818	2,905	3,009	2,812	3,603	3,572	3,603	3,572
Efficacy	79	79	76	73	56	58	54	69	69	69	69
CBCP	237,714	60,352	37,246	16,214	4,229	2,324	1,580	6,961	6,231	6,961	6,231
<b>4000K</b>											
Lumens	4,189	4,156	4,003	3,879	2,951	3,056	2,857	3,660	3,629	3,660	3,629
Efficacy	81	81	77	75	57	59	55	70	70	70	70
CBCP	241,477	61,308	37,835	16,470	4,296	2,361	1,605	7,071	6,330	7,071	6,330

## F170 QUAD MED OUTPUT (104 WATTS)

	5'	10'	15'	20'	40'	60'	80'	15' x 60'	30' x 60'	60' x 15'	60' x 30'
<b>2700K</b>											
Lumens	5,641	5,596	5,389	5,222	3,973	4,115	3,847	4,928	4,886	4,928	4,886
Efficacy	54	54	52	50	38	40	37	47	47	47	47
CBCP	325,142	82,549	50,944	22,177	5,784	3,179	2,161	9,521	8,523	9,521	8,523
<b>3000K</b>											
Lumens	6,505	6,453	6,215	6,022	4,582	4,746	4,436	5,682	5,635	5,682	5,635
Efficacy	63	62	60	58	44	46	43	55	54	55	54
CBCP	374,942	95,193	58,747	25,573	6,670	3,666	2,492	10,979	9,828	10,979	9,828
<b>3500K</b>											
Lumens	7,066	7,009	6,751	6,541	4,976	5,155	4,818	6,172	6,120	6,172	6,120
Efficacy	68	67	65	63	48	50	46	59	59	59	59
CBCP	407,257	103,397	63,810	27,777	7,245	3,982	2,707	11,926	10,675	11,926	10,675
<b>4000K</b>											
Lumens	7,196	7,138	6,875	6,662	5,068	5,250	4,907	6,286	6,234	6,286	6,234
Efficacy	69	69	66	64	49	50	47	60	60	60	60
CBCP	414,782	105,308	64,989	28,291	7,379	4,055	2,757	12,146	10,873	12,146	10,873

## F170 QUAD HIGH OUTPUT (156 WATTS)

	5'	10'	15'	20'	40'	60'	80'	15' x 60'	30' x 60'	60' x 15'	60' x 30'
<b>2700K</b>											
Lumens	7,841	7,778	7,492	7,259	5,523	5,720	5,347	6,850	6,792	6,850	6,792
Efficacy	50	50	48	47	35	37	34	44	44	44	44
CBCP	451,967	114,748	70,815	30,827	8,041	4,419	3,004	13,235	11,847	13,235	11,847
<b>3000K</b>											
Lumens	8,275	8,209	7,906	7,661	5,828	6,037	5,643	7,229	7,168	7,229	7,168
Efficacy	53	53	51	49	37	39	36	46	46	46	46
CBCP	476,978	121,098	74,734	32,533	8,485	4,663	3,171	13,967	12,503	13,967	12,503
<b>3500K</b>											
Lumens	9,385	9,309	8,966	8,689	6,610	6,847	6,400	8,198	8,130	8,198	8,130
Efficacy	60	60	57	56	42	44	41	53	52	53	52
CBCP	540,943	137,338	84,756	36,896	9,623	5,289	3,596	15,840	14,180	15,840	14,180
<b>4000K</b>											
Lumens	9,957	9,877	9,513	9,218	7,013	7,264	6,790	8,698	8,625	8,698	8,625
Efficacy	64	63	61	59	45	47	44	56	55	56	55
CBCP	573,922	145,711	89,923	39,145	10,210	5,611	3,815	16,806	15,044	16,806	15,044

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

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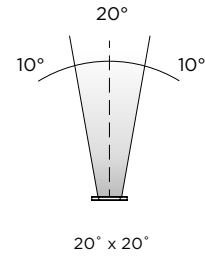
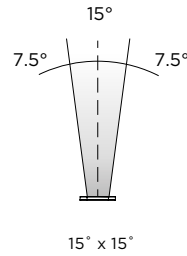
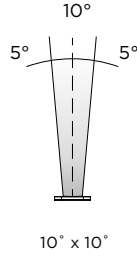
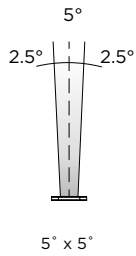
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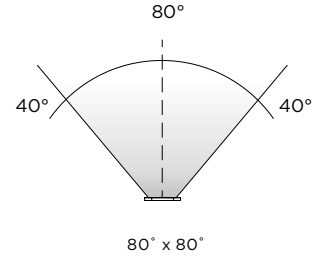
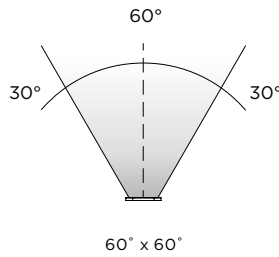
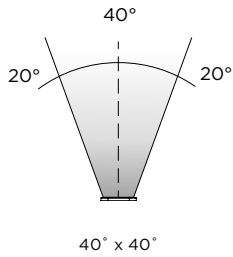


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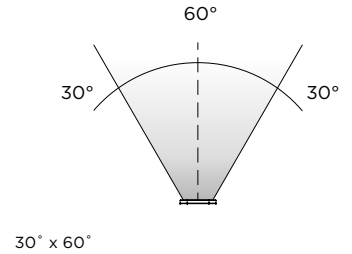
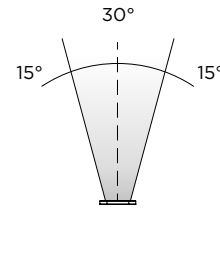
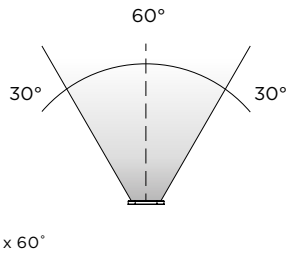
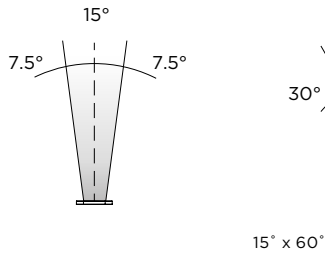
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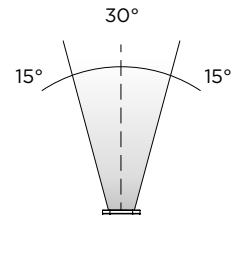
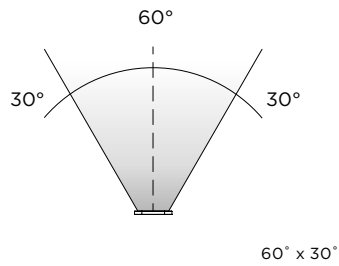
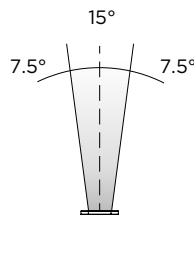
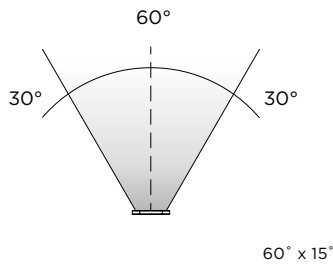
**Flood Light Distribution**



**Horizontal Elliptical Light Distribution**



**Vertical Elliptical Light Distribution**



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