

COLONIAL SERIES - LED

PHOTOMETRIC DATA GUIDE - LUMEN TABLES (COL21-VLED)

COL21-VLED																
LED Count	Drive Current (mA)	System Watts	Dist'n Type	WW (3000K - 70CRI)			NW (4000K - 70CRI)			CW (5000K - 70CRI)			System Watts	TRA (590nm)		
				LUMENS	LPW	BUG RATING	LUMENS	LPW	BUG RATING	LUMENS	LPW	BUG RATING		LUMENS	LPW	BUG RATING
64	350	69.0	II	6399	93	B2-U1-G2	6738	98	B2-U2-G2	7075	103	B2-U2-G2	53.1	2011	38	B1-U1-G1
			III	6906	100	B1-U1-G2	7272	105	B1-U2-G2	7635	111	B2-U2-G2		2170	41	B1-U1-G1
			IV	6430	93	B1-U1-G2	6771	98	B1-U2-G2	7108	103	B1-U2-G2		2021	38	B0-U1-G1
			VSQ	6936	101	B3-U2-G1	7302	106	B3-U2-G1	7666	111	B3-U2-G2		2179	41	B2-U1-G1
			II-HS	5060	73	B1-U1-G2	5328	77	B1-U1-G2	5593	81	B1-U1-G2		1590	30	B1-U1-G1
			III-HS	5040	73	B1-U1-G2	5306	77	B1-U1-G2	5571	81	B1-U1-G2		1582	30	B0-U1-G1
			IV-HS	4911	71	B1-U1-G2	5170	75	B1-U1-G2	5428	79	B1-U1-G2		1542	29	B0-U1-G1
64	525	100.0	II	8715	87	B2-U2-G2	9176	92	B2-U2-G2	9634	96	B2-U2-G2	77.0	2738	36	B1-U1-G1
			III	9405	94	B2-U2-G2	9903	99	B2-U2-G2	10397	104	B2-U2-G2		2955	38	B1-U1-G1
			IV	8757	88	B1-U2-G2	9221	92	B1-U2-G2	9681	97	B1-U2-G2		2751	36	B1-U1-G1
			VSQ	9446	94	B3-U2-G2	9944	99	B3-U2-G2	10442	104	B4-U2-G2		2967	39	B2-U1-G1
			II-HS	6892	69	B2-U1-G2	7257	73	B2-U1-G2	7619	76	B2-U1-G2		2165	28	B1-U1-G1
			III-HS	6863	69	B1-U1-G2	7227	72	B1-U1-G2	7588	76	B1-U1-G2		2156	28	B1-U1-G1
			IV-HS	6689	67	B1-U1-G2	7044	70	B1-U2-G2	7396	74	B1-U2-G2		2101	27	B0-U1-G1
80	350	87.0	II	7999	92	B2-U2-G2	8421	97	B2-U2-G2	8842	102	B2-U2-G2	67.0	2513	38	B1-U1-G1
			III	8632	99	B2-U1-G2	9088	104	B2-U2-G2	9542	110	B2-U2-G2		2712	40	B1-U1-G1
			IV	8037	92	B1-U2-G2	8462	97	B1-U2-G2	8885	102	B1-U2-G2		2525	38	B1-U1-G1
			VSQ	8670	100	B3-U2-G2	9127	105	B3-U2-G2	9583	110	B3-U2-G2		2724	41	B2-U1-G1
			II-HS	6324	73	B1-U1-G2	6658	77	B1-U1-G2	6990	80	B2-U1-G2		1986	30	B1-U1-G1
			III-HS	6298	72	B1-U1-G2	6631	76	B1-U1-G2	6961	80	B1-U1-G2		1978	30	B1-U1-G1
			IV-HS	6138	71	B1-U1-G2	6462	74	B1-U1-G2	6784	78	B1-U1-G2		1927	29	B0-U1-G1
80	525	130.0	II	10895	84	B2-U2-G2	11470	88	B2-U2-G3	12043	93	B3-U2-G3	100.1	3423	34	B1-U1-G1
			III	11759	90	B2-U2-G3	12379	95	B2-U2-G3	12998	100	B2-U2-G3		3694	37	B1-U1-G1
			IV	10948	84	B2-U2-G2	11525	89	B2-U2-G3	12101	93	B2-U2-G3		3440	34	B1-U1-G1
			VSQ	11809	91	B4-U2-G2	12431	96	B4-U2-G2	13052	100	B4-U2-G2		3710	37	B2-U1-G1
			II-HS	8615	66	B2-U1-G2	9070	70	B2-U2-G2	9523	73	B2-U2-G2		2706	27	B1-U1-G1
			III-HS	8580	66	B1-U1-G2	9032	69	B2-U1-G2	9484	73	B2-U1-G2		2695	27	B1-U1-G1
			IV-HS	8361	64	B1-U1-G2	8803	68	B1-U2-G2	9243	71	B1-U2-G2		2627	26	B0-U1-G1
100	350	108.0	II	9116	84	B2-U2-G2	9598	89	B2-U2-G2	10077	93	B2-U2-G2	83.2	2864	34	B1-U1-G1
			III	9839	91	B2-U2-G2	10359	96	B2-U2-G2	10876	101	B2-U2-G2		3091	37	B1-U1-G1
			IV	9159	85	B1-U2-G2	9644	89	B1-U2-G2	10125	94	B1-U2-G2		2878	35	B1-U1-G1
			VSQ	9881	91	B3-U2-G2	10403	96	B4-U2-G2	10922	101	B4-U2-G2		3104	37	B2-U1-G1
			II-HS	7208	67	B2-U1-G2	7589	70	B2-U2-G2	7968	74	B2-U2-G2		2264	27	B1-U1-G1
			III-HS	7179	66	B1-U1-G2	7558	70	B1-U1-G2	7936	73	B1-U1-G2		2255	27	B1-U1-G1
			IV-HS	6996	65	B1-U1-G2	7367	68	B1-U2-G2	7734	72	B1-U2-G2		2198	26	B0-U1-G1
100	525	160.0	II	12684	79	B3-U2-G3	13352	83	B3-U2-G3	14019	88	B3-U2-G3	123.2	3984	32	B1-U1-G1
			III	13690	86	B2-U2-G3	14412	90	B2-U2-G3	15132	95	B3-U2-G3		4301	35	B1-U1-G2
			IV	12746	80	B2-U2-G3	13417	84	B2-U2-G3	14087	88	B2-U2-G3		4004	33	B1-U1-G1
			VSQ	13747	86	B4-U2-G2	14472	90	B4-U2-G2	15195	95	B4-U2-G2		4319	35	B3-U1-G1
			II-HS	10031	63	B2-U2-G2	10561	66	B2-U2-G2	11089	69	B2-U2-G3		3151	26	B1-U1-G1
			III-HS	9990	62	B2-U2-G2	10519	66	B2-U2-G3	11044	69	B2-U2-G3		3139	25	B1-U1-G1
			IV-HS	9735	61	B1-U2-G2	10250	64	B1-U2-G2	10762	67	B1-U2-G3		3058	25	B1-U1-G1
120	350	129.0	II	10940	85	B2-U2-G2	11517	89	B3-U2-G3	12092	94	B3-U2-G3	99.3	3437	35	B1-U1-G1
			III	11807	92	B2-U2-G3	12429	96	B2-U2-G3	13050	101	B2-U2-G3		3709	37	B1-U1-G1
			IV	10993	85	B2-U2-G2	11572	90	B2-U2-G3	12150	94	B2-U2-G3		3454	35	B1-U1-G1
			VSQ	11856	92	B4-U2-G2	12480	97	B4-U2-G2	13104	102	B4-U2-G2		3725	38	B2-U1-G1
			II-HS	8649	67	B2-U1-G2	9106	71	B2-U2-G2	9561	74	B2-U2-G2		2717	27	B1-U1-G1
			III-HS	8613	67	B1-U1-G2	9068	70	B2-U1-G2	9521	74	B2-U1-G2		2706	27	B1-U1-G1
			IV-HS	8396	65	B1-U1-G2	8839	69	B1-U2-G2	9281	72	B1-U2-G2		2638	27	B0-U1-G1
120	525	192.0	II	15222	79	B3-U2-G3	16023	83	B3-U2-G3	16824	88	B3-U2-G3	147.8	4782	32	B1-U1-G2
			III	16429	86	B3-U2-G3	17293	90	B3-U2-G4	18158	95	B3-U2-G4		5161	35	B1-U1-G2
			IV	15297	80	B2-U2-G3	16102	84	B2-U2-G3	16906	88	B2-U2-G3		4805	33	B1-U1-G2
			VSQ	16498	86	B4-U2-G2	17366	90	B4-U2-G2	18233	95	B4-U2-G2		5182	35	B3-U1-G1
			II-HS	12036	63	B2-U2-G3	12671	66	B2-U2-G3	13304	69	B2-U2-G3		3781	26	B1-U1-G1
			III-HS	11987	62	B2-U2-G3	12621	66	B2-U2-G3	13251	69	B2-U2-G3		3766	25	B1-U1-G2
			IV-HS	11683	61	B1-U2-G3	12300	64	B1-U2-G3	12914	67	B2-U2-G3		3670	25	B1-U1-G1

COLONIAL SERIES - LED

PHOTOMETRIC DATA GUIDE - LUMEN TABLES (COL18 / COL12 VLED)

COL18-VLED																
LED Count	Drive Current (mA)	System Watts	Dist'n Type	WW (3000K - 70CRI)			NW (4000K - 70CRI)			CW (5000K - 70CRI)			System Watts	TRA (590nm)		
				LUMENS	LPW	BUG RATING	LUMENS	LPW	BUG RATING	LUMENS	LPW	BUG RATING		LUMENS	LPW	BUG RATING
48	350	52.0	II	4386	84	B1-U1-G2	4618	89	B1-U1-G2	4848	93	B1-U1-G2	40.0	1377	34	B1-U1-G1
			III	4371	84	B1-U1-G2	4601	88	B1-U1-G2	4831	93	B1-U1-G2		1372	34	B0-U1-G1
			IV	4050	78	B1-U1-G2	4264	82	B1-U1-G2	4477	86	B1-U1-G2		1272	32	B0-U1-G0
			VSQ	4706	91	B3-U1-G1	4954	95	B3-U1-G1	5201	100	B3-U1-G1		1478	37	B1-U1-G0
			II-HS	3224	62	B1-U1-G1	3395	65	B1-U1-G1	3564	69	B1-U1-G1		1012	25	B0-U1-G0
			III-HS	3507	67	B1-U1-G1	3692	71	B1-U1-G2	3876	75	B1-U1-G2		1100	28	B0-U1-G1
			IV-HS	3360	65	B1-U1-G1	3537	68	B1-U1-G1	3714	71	B1-U1-G2		1054	26	B0-U1-G0
48	525	75.0	II	6005	80	B1-U1-G2	6324	84	B2-U2-G2	6639	89	B2-U2-G2	57.8	1887	33	B1-U1-G1
			III	5984	80	B1-U1-G2	6302	84	B1-U1-G2	6616	88	B1-U1-G2		1881	33	B0-U1-G1
			IV	5543	74	B1-U1-G2	5837	78	B1-U2-G2	6128	82	B1-U2-G2		1742	30	B0-U1-G1
			VSQ	6443	86	B3-U2-G1	6783	90	B3-U2-G1	7121	95	B3-U2-G1		2024	35	B1-U1-G0
			II-HS	4414	59	B1-U1-G2	4648	62	B1-U1-G2	4880	65	B1-U1-G2		1386	24	B0-U1-G0
			III-HS	4800	64	B1-U1-G2	5053	67	B1-U1-G2	5306	71	B1-U1-G2		1507	26	B0-U1-G1
			IV-HS	4599	61	B1-U1-G2	4842	65	B1-U1-G2	5084	68	B1-U1-G2		1444	25	B0-U1-G1
64	350	71.0	II	5750	81	B1-U1-G2	6054	85	B2-U1-G2	6356	90	B2-U1-G2	54.7	1806	33	B1-U1-G1
			III	5731	81	B1-U1-G2	6033	85	B1-U1-G2	6334	89	B1-U1-G2		1800	33	B0-U1-G1
			IV	5309	75	B1-U1-G2	5590	79	B1-U1-G2	5869	83	B1-U1-G2		1668	30	B0-U1-G1
			VSQ	6171	87	B3-U1-G1	6497	92	B3-U2-G1	6821	96	B3-U2-G1		1939	35	B1-U1-G0
			II-HS	4226	60	B1-U1-G2	4449	63	B1-U1-G2	4671	66	B1-U1-G2		1327	24	B0-U1-G0
			III-HS	4597	65	B1-U1-G2	4839	68	B1-U1-G2	5080	72	B1-U1-G2		1443	26	B0-U1-G1
			IV-HS	4404	62	B1-U1-G2	4636	65	B1-U1-G2	4867	69	B1-U1-G2		1383	25	B0-U1-G1
64	525	103.0	II	7883	77	B2-U2-G2	8299	81	B2-U2-G2	8714	85	B2-U2-G2	79.3	2477	31	B1-U1-G1
			III	7856	76	B1-U1-G2	8272	80	B1-U2-G2	8685	84	B1-U2-G2		2469	31	B1-U1-G1
			IV	7275	71	B1-U1-G2	7660	74	B1-U2-G2	8042	78	B1-U2-G2		2286	29	B0-U1-G1
			VSQ	8457	82	B3-U2-G2	8903	86	B3-U2-G2	9349	91	B3-U2-G2		2657	34	B2-U1-G1
			II-HS	5794	56	B1-U1-G2	6102	59	B1-U1-G2	6406	62	B1-U1-G2		1821	23	B1-U1-G1
			III-HS	6301	61	B1-U1-G2	6635	64	B1-U1-G2	6966	68	B1-U1-G2		1980	25	B0-U1-G1
			IV-HS	6036	59	B1-U1-G2	6356	62	B1-U1-G2	6673	65	B1-U1-G2		1896	24	B0-U1-G1

COL12-VLED																
LED Count	Drive Current (mA)	System Watts	Dist'n Type	WW (3000K - 70CRI)			NW (4000K - 70CRI)			CW (5000K - 70CRI)			System Watts	TRA (590nm)		
				LUMENS	LPW	BUG RATING	LUMENS	LPW	BUG RATING	LUMENS	LPW	BUG RATING		LUMENS	LPW	BUG RATING
24	350	26.0	ASY	2184	84	B1-U1-G1	2299	88	B1-U1-G1	2414	93	B1-U1-G1	20.0	686	34	B0-U1-G0
			ASY-HS	1751	67	B0-U1-G1	1844	71	B0-U1-G1	1936	74	B0-U1-G1		550	27	B0-U0-G0
			SYM	2351	90	B2-U1-G1	2475	95	B2-U1-G1	2599	100	B2-U1-G1		739	37	B1-U1-G0

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PHOTOMETRIC DATA GUIDE - LM-80 LUMEN MAINTENANCE

LED Life / Operating Hours	Lumen Depreciation	Lumen Depreciation Scale Factor
60,000 (10x Test Time Calculated)	L94	0.94x
100,000 (Theoretical Calculated)	L92	0.92x
150,000 (Theoretical Calculated)	L89	0.89x

Lumen Depreciation Calculations Done in Accordance With IESNA TM-21 & LM-80 (25°C Ambient)
TM-21 6x Test Time Dictates that L94 > 60,000 Hours.