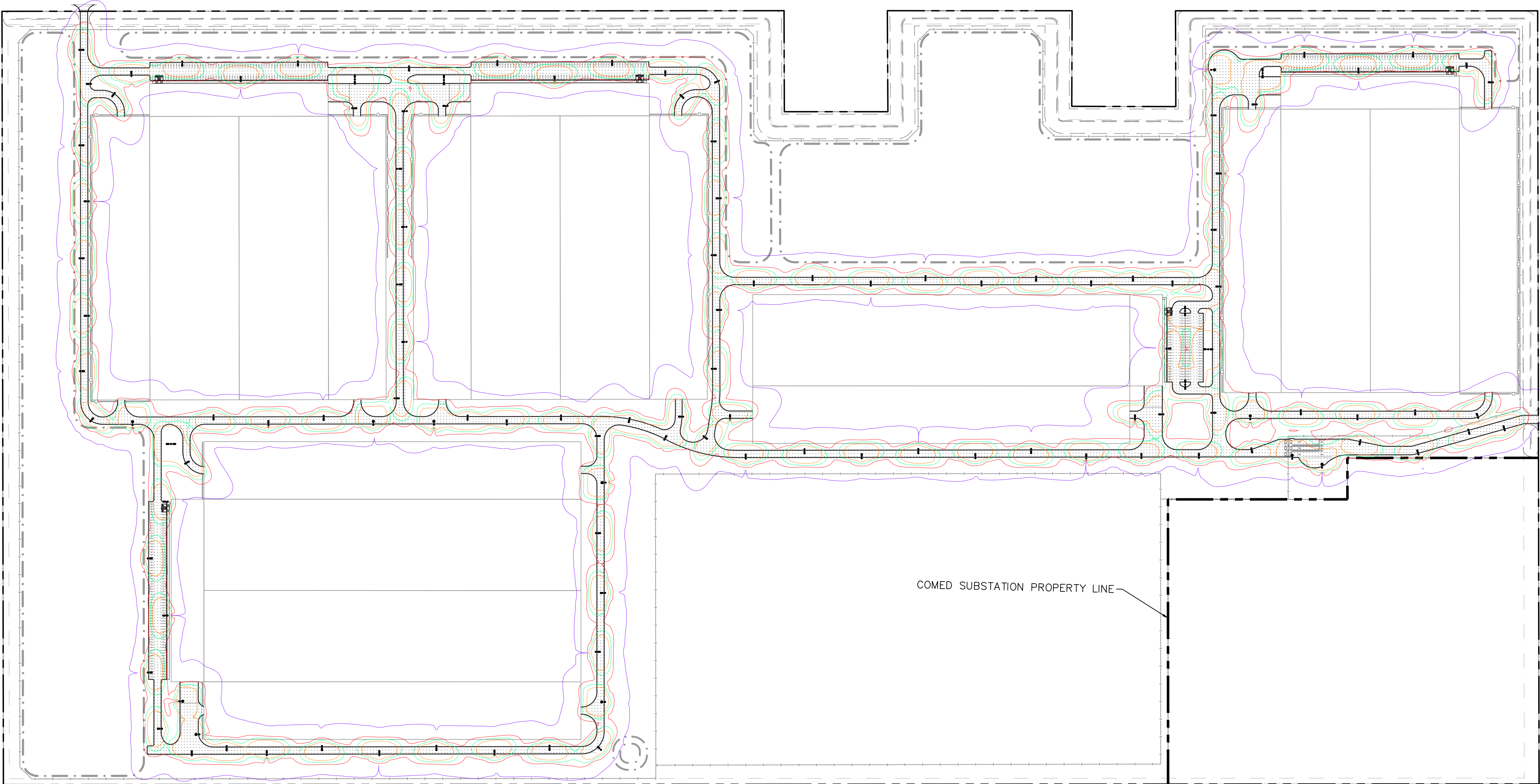


S CARBON HILL ROAD



E REED ROAD

LIGHTING CRITERIA

DRIVE AISLES*
ILLUMINANCE (Fc)
MINIMUM = 0.2
MAX/AVG = 4.0

*PER IESNA TABLE 17-1

CALCULATION SUMMARY

DRIVE AISLES	PROPERTY LINE*
ILLUMINANCE (Fc)	ILLUMINANCE (Fc)
MINIMUM = 0.2	MINIMUM = 0.0
MAXIMUM = 7.2	MAXIMUM = 0.0
AVERAGE = 1.88	AVERAGE = 0.0
MAX/AVG = 3.83	MAX:AVG = N/A

*EXCLUDING COMED SUBSTATION PROPERTY LINE

LEGEND

SYMBOL	QTY	DESCRIPTION
	7	PROPOSED TYPE 3 DUAL HEAD LUMINAIRE
	104	PROPOSED TYPE 3 SINGLE HEAD LUMINAIRE
	11	PROPOSED FORWARD THROW SINGLE HEAD LUMINAIRE
		PROPERTY LINE
		1 FC LINE (BRIGHT)
		0.5 FC LINE (MODERATELY BRIGHT)
		0.2 FC LINE (NOT BRIGHT)
		0.0 FC LINE (DARK)

LUMINAIRE SCHEDULE

SYMBOL	DESCRIPTION	MANUFACTURER AND MODEL	LLF	VOLTAGE	ARRANGEMENT WATTAGE	ARRANGEMENT LUMENS	FINISH	POLE HEIGHT
	SHORT ARM STYLE LED SINGLE HEAD LUMINAIRE WITH 1' MAST ARM AND HOUSE SIDE SHIELD	LITHONIA DSX2 DSX2-LED-P2-40K-70CRI-T3M-HS	0.90	120-277V	180 W	21,602 LUMENS	BLACK	20'-0"
	SHORT ARM STYLE LED DUAL HEAD LUMINAIRE WITH 1' MAST ARMS AND HOUSE SIDE SHIELDS	LITHONIA DSX2 DSX2-LED-P2-40K-70CRI-T3M-HS	0.90	120-277V	360 W	43,204 LUMENS	BLACK	20'-0"
	SHORT ARM STYLE LED SINGLE HEAD LUMINAIRE WITH 1' MAST ARM AND HOUSE SIDE SHIELD	LITHONIA DSX2 DSX2-LED-P2-40K-70CRI-TFTM-HS	0.90	120-277V	180 W	21,359 LUMENS	BLACK	20'-0"

PRELIMINARY - NOT FOR CONSTRUCTION

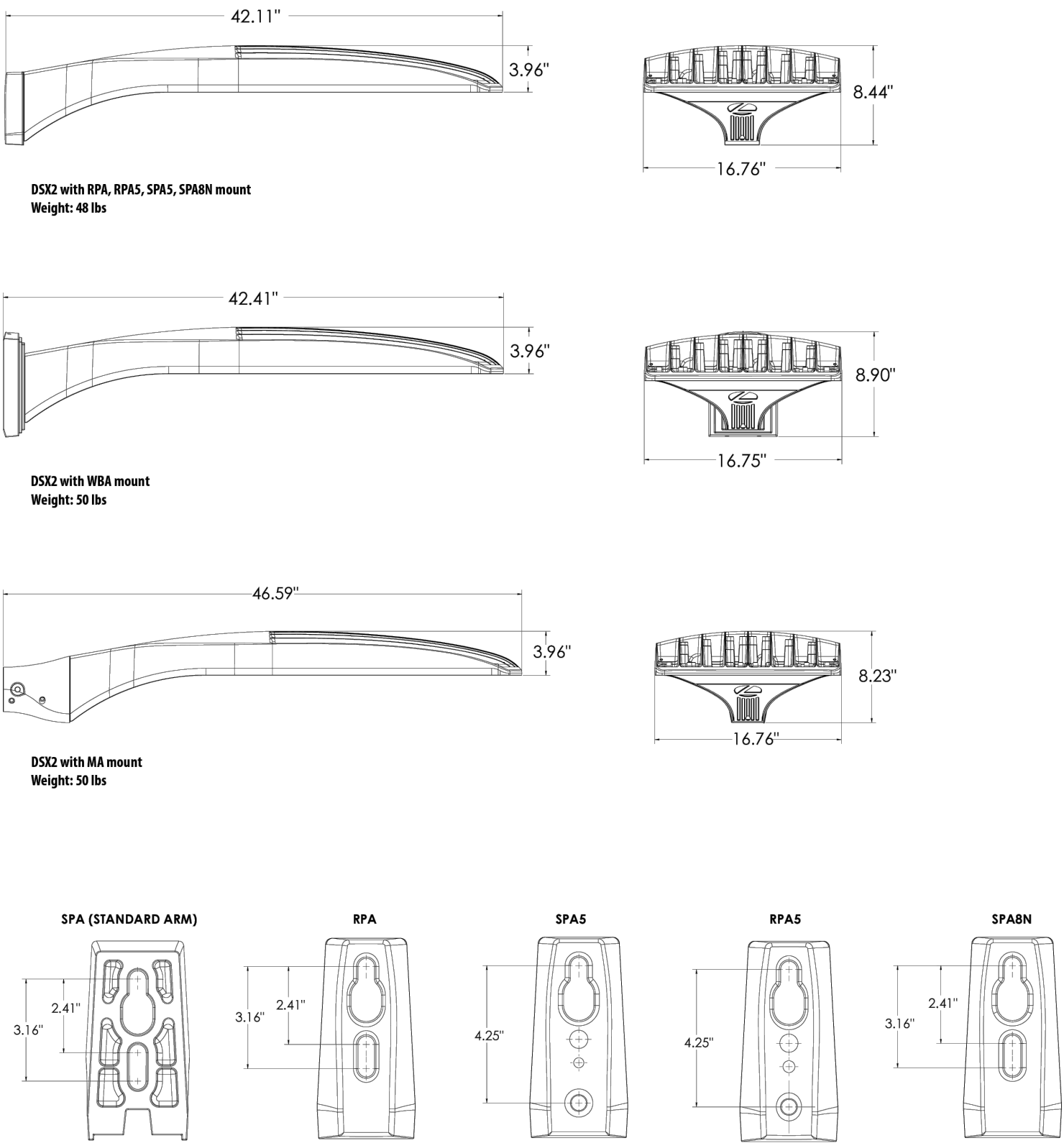
Performance Data

Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of configurations shown within the tolerances described within LM-79. Contact factory for performance data on any configurations not shown here.

Rotated Optics																									
Performance Package	System Watts	LED Count	Drive Current (mA)	Distribution Type	T08 (LM80K, 70 CRI)					T09 (LM80K, 70 CRI)					T10 (LM80K, 70 CRI)										
					1300K, 70 CRI		1500K, 70 CRI		1700K, 70 CRI		1300K, 70 CRI		1500K, 70 CRI		1700K, 70 CRI		1300K, 70 CRI		1500K, 70 CRI		1700K, 70 CRI				
					Footcandle	Footcandle	Footcandle	Footcandle	Footcandle	Footcandle	Footcandle	Footcandle	Footcandle	Footcandle	Footcandle	Footcandle	Footcandle	Footcandle	Footcandle	Footcandle	Footcandle	Footcandle	Footcandle	Footcandle	
P10	152W	90	530	T15	22,796	4	0	4	120	22,796	4	0	4	120	24,229	4	0	4	120	45,248	5	0	5	120	45,248
				T2M	21,119	5	0	5	139	22,010	5	0	5	140	22,499	5	0	5	140	42,880	5	0	5	120	44,168
				T3M	21,361	5	0	5	141	22,462	5	0	5	147	22,096	5	0	5	149	42,865	5	0	5	121	46,671
				T5LG	19,084	4	0	4	126	19,849	4	0	4	131	20,277	4	0	4	133	38,296	5	0	5	108	39,911
				T4M	21,679	5	0	5	143	22,594	5	0	5	149	23,034	5	0	5	152	43,503	5	0	5	123	45,339
				T4LG	19,717	4	0	4	130	20,549	4	0	4	135	20,950	4	0	4	138	39,566	5	0	5	112	41,255
				TTTM	21,683	5	0	5	144	22,554	5	0	5	150	23,197	5	0	5	153	43,671	5	0	5	124	45,469
				T5M	22,805	5	0	5	147	23,246	5	0	5	153	23,699	5	0	5	156	44,360	5	0	5	126	46,668
				T5W	22,647	5	0	5	149	23,623	5	0	5	155	24,084	5	0	5	158	44,485	5	0	5	129	47,444
				T5LG	22,070	4	0	2	147	23,314	4	0	2	153	23,768	4	0	2	156	44,689	5	0	5	127	46,783
				BC13	15,539	4	0	4	102	16,194	4	0	4	107	16,510	4	0	4	109	31,181	5	0	5	88	32,496
				BC14	16,608	4	0	4	106	16,925	4	0	4	110	17,051	4	0	4	112	32,202	5	0	5	91	33,401
				RC10	15,679	1	0	3	103	16,340	1	0	3	108	16,639	1	0	3	110	31,483	2	0	5	89	32,790
				LC10	15,679	1	0	3	103	16,340	1	0	3	108	16,639	1	0	3	110	31,483	2	0	5	89	32,790
				APR	22,798	4	0	4	150	23,769	4	0	4	156	24,223	4	0	4	159	45,748	5	0	5	129	47,429
P11	201W	90	700	T15	29,222	4	0	4	144	30,455	4	0	4	150	31,048	4	0	4	153	51,272	5	0	5	123	53,455
				T2M	27,679	5	0	5	134	28,212	5	0	5	139	28,742	5	0	5	142	47,407	5	0	5	114	49,506
				T3M	27,380	5	0	5	135	28,535	5	0	5	141	29,091	5	0	5	144	48,040	5	0	5	116	50,067
				T5LG	24,462	4	0	4	121	25,493	4	0	4	126	25,990	4	0	4	128	42,919	5	0	5	103	44,730
				T4M	27,738	5	0	5	137	28,560	5	0	5	143	29,625	5	0	5	146	48,256	5	0	5	117	50,813
				T4LG	25,273	4	0	4	125	26,339	4	0	4	130	26,853	4	0	4	133	44,543	5	0	5	107	46,214
				TTTM	27,985	5	0	5	138	29,165	5	0	5	144	29,734	5	0	5	147	49,301	5	0	5	118	51,172
				T5W	28,591	5	0	4	141	29,797	5	0	4	147	30,377	5	0	4	150	50,184	5	0	5	121	52,480
				T5W	29,854	5	0	4	143	30,380	5	0	4	149	30,970	5	0	4	152	50,977	5	0	5	123	53,127
				T5LG	26,673	4	0	2	142	29,883	4	0	2	148	30,465	5	0	2	150	45,389	5	0	4	121	52,642
				BC13	19,517	4	0	4	98	20,157	4	0	4	102	21,362	4	0	4	104	34,583	5	0	5	84	36,420
				BC14	20,570	5	0	5	102	21,437	5	0	5	106	21,855	5	0	5	108	36,090	5	0	5	87	37,613
				RC10	20,097	1	0	4	99	20,945	1	0	4	103	21,553	1	0	4	105	35,261	2	0	5	85	36,749
				LC10	20,097	1	0	4	99	20,945	1	0	4	103	21,553	1	0	4	105	35,261	2	0	5	85	36,749
				APR	29,222	4	0	4	144	30,455	4	0	4	150	31,048	4	0	4	153	51,272	5	0	5	123	53,455
P12	248W	90	850	T15	34,526	5	0	5	139	35,983	5	0	5	145	36,684	5	0	5	148	61,944	5	0	5	120	64,608
				T2M	31,984	5	0	5	129	33,333	5	0	5	135	33,983	5	0	5	137	59,184	5	0	5	118	62,329
				T3M	32,550	5	0	5	131	33,715	5	0	5	136	34,372	5	0	5	139	60,184	5	0	5	121	62,840
				T5LG	28,902	4	0	4	117	30,121	4	0	4	122	30,708	4	0	4	124	50,184	5	0	5	108	52,480
				T4M	32,832	5	0	5	133	34,217	5	0	5	138	34,884	5	0	5	141	61,944	5	0	5	120	64,608
				T4LG	29,861	4	0	4	121	31,128	4	0	4	126	31,737	5	0	4	128	50,184	5	0	5	114	52,480
				TTTM	33,064	5	0	5	134	34,459	5	0	5	139	35,111	5	0	5	142	62,329	5	0	5	122	65,003
				T5W	33,780	5	0	4	136	35,205	5	0	4	142	35,891	5	0	4	145	63,984	5	0	5	124	66,688
				T5W	34,127	5	0	4	139	35,726	5	0	4	145	36,471	5	0	4	147	64,608	5	0	5	126	67,376
				T5LG	33,478	5	0	3	137	35,307	5	0	3	143	35,995	5	0	3	145	65,504	5	0	5	128	68,064
				BC13	23,532	5	0	5	96	24,525	5	0	5	99	25,003	5	0	5	101	40,184	5	0	5	89	41,255
				BC14	24,483	5	0	5	98	25,108	5	0	5	102	25,622	5	0	5	104	41,255	5	0	5	91	42,326
				RC10	23,745	1	0	4	96	24,747	1	0	4	100	25,229	1	0	4	102	39,504	2	0	5	87	40,679
				LC10	23,745	1	0	4	96	24,747	1	0	4	100	25,229	1	0	4	102	39,504	2	0	5	87	40,679
				APR	34,526	5	0	5	139	35,983	5	0	5	145	36,684	5	0	5	148	61,944	5	0	5	120	64,608

Dimensions



Performance Data

Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of configurations shown within the tolerances described within LM-79. Contact factory for performance data on any configurations not shown here.

Rotated Optics																									
Performance Package	System Watts	LED Count	Drive Current (mA)	Distribution Type	T08 (LM80K, 70 CRI)					T09 (LM80K, 70 CRI)					T10 (LM80K, 70 CRI)					T11 (LM80K, 70 CRI)					
					Footcandle	Footcandle	Footcandle	Footcandle	Footcandle	Footcandle	Footcandle	Footcandle	Footcandle	Footcandle	Footcandle	Footcandle	Footcandle	Footcandle	Footcandle	Footcandle	Footcandle	Footcandle	Footcandle	Footcandle	Footcandle
					Footcandle	Footcandle	Footcandle	Footcandle	Footcandle	Footcandle	Footcandle	Footcandle	Footcandle	Footcandle	Footcandle	Footcandle	Footcandle	Footcandle	Footcandle	Footcandle	Footcandle	Footcandle	Footcandle	Footcandle	Footcandle
P13	354W	90	1200	T15	42,748	5	0	5	129	47,478	5	0	5	135	48,608	5	0	5	137	86,608	5	0	5	127	90,432
				T2M	42,880	5	0	5	120	44,168	5	0	5	125	45,029	5	0	5	127	84,800	5	0	5	122	87,616
				T3M	42,865	5	0	5	121	44,671	5	0	5	126	45,544	5	0	5	129	84,865	5	0	5	124	87,671
				T4M	38,206	5	0	5	108	39,981	5	0	5	113	40,689	5	0	5	115	77,408	5	0	5	111	79,936
				T4M	43,550	5	0	5	126	45,329	5	0	5	131	46,202	5	0	5	133	86,422	5	0	5	128	90,248
				T4G	39,566	5	0	5	112	41,235	5	0	5	117	42,039	5	0	5	119	77,408	5	0	5	113	79,936
				T7M	41,581	5	0	5	124	45,659	5	0	5	129	46,545	5	0	5	132	84,865	5	0	5	126	87,671
				T8M	43,560	5	0	5	126	46,648	5	0	5	131	47,557	5	0	5	133	86,422	5	0	5	128	90,248
				T9M	44,485	5	0	5	129	47,404	5	0	5	134	48,328	5	0	5	137	87,616	5	0	5	130	90,248
				T9G	46,859	5	0	5	127	49,783	5	0	5	132	50,705	5	0	5	135	89,664	5	0	5	132	92,192
P14	415W	90	1000	BC1	31,181	5	0	5	88	32,496	5	0	5	92	33,319	5	0	5	94	62,400	5	0	5	88	65,216
				BC4	32,482	5	0	5	91	33,561	5	0	5	95	34,725	5	0	5	97	65,216	5	0	5	91	68,032
				RCO	31,642	5	0	5	89	32,790	5	0	5	93	33,629	5	0	5	95	62,400	5	0	5	89	65,216
				LCO	31,481	5	0	5	89	32,790	2	0	5	93	33,290	2	0	5	94	62,400	2	0	5	89	65,216
				A0R	45,748	5	0	5	129	47,478	5	0	5	135	48,608	5	0	5	137	86,608	5	0	5	127	90,432
				T15	51,272	5	0	5	123	53,455	5	0	5	128	54,619	5	0	5	131	98,464	5	0	5	126	101,280
				T2M	47,497	5	0	5	114	49,006	5	0	5	119	50,605	5	0	5	121	92,192	5	0	5	117	94,808
				T3M	48,404	5	0	5	116	50,067	5	0	5	121	51,803	5	0	5	123	94,808	5	0	5	119	97,424
				T4M	42,879	5	0	5	103	44,730	5	0	5	108	46,582	5	0	5	110	84,865	5	0	5	106	87,481
				T4M	48,750	5	0	5	117	50,813	5	0	5	122	51,903	5	0	5	125	98,464	5	0	5	121	101,280