

## SAE Systems

P-ID-9800 & LS-P-ID-9800  
Pendant-Mounted Indirect

### Product Description

Graceful arcuate-shaped housing with an indirect-direct distribution. UL listed. Cradle to Cradle Certified.<sup>CM</sup>

### Ordering Guide

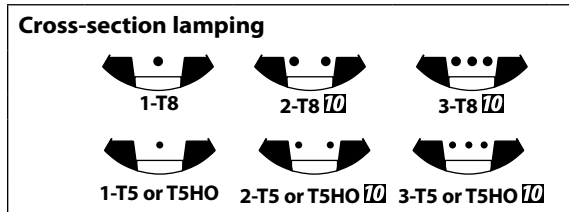
Product, Lamping, & Length						Options							
P -	ID -	98	6	8	T5 -	SGL -	TCWM -	LP/ELB -	TW -	2CWQ -	F -	120	
Mounting	Distribution	Series	Lamp Count	Nominal Length (ft)	Lamp Type	Baffle or Diffuser	Finish	Ballast	Tandem Wiring	Pre-wiring	Other Options	Volts	
P Pendant-mounted LS-P LiteSpeed Pendant-mounted	ID Indirect/Direct	98	1, 2, 3 →	4 →	T8	see notes	PBCWM PBCWM/O PBSS PBSS/O SGL  see Baffle and Diffuser Options	TCWM (textured matte white) is standard  see LiteColors™ in product guide for other finishes	LP/ELB is std  DA/MK7 LPD/MK7 LPD/DIO LPD/CS/e  see Ballast Options	-- →	1CWQ	DSR ECSS F LP/EF see Other Options	120 277
			2, 4, 6 →	8 →						TW →	2CWQ		
			3, 6, 9 →	12 →	see notes								
			1, 2, 3 →	4 →	T5								
			2, 4, 6 →	8 →	T5HO								
			3, 6, 9 →	12 →									

**Mounting**  
- add to end of catalog number  
**Aircraft Cables**  
 FAI/ACC (field adjustable)  
standard

**notes:**  
Lamp count = total number of lamps in the fixture  
Tandem wiring not available for one-lamp cross-section fixtures  
For ordering guide information in shaded areas, choose selection by reading ACROSS the shaded areas for correct specifications.

**P-ID-9868T5-SGL-TCWM-LP/ELB-TW-2CWQ-F-120-FAI/ACC** is a typical catalog number for a 6-lamp (3 lamps in cross-section), 8-foot long T5 fixture with soft glow lens, textured matte white finish, low-profile electronic ballast, tandem-wired, pre-wired with two-circuit branch wiring and quick-connects, fuse, 120 volts, mounted with field adjustable aircraft cables.

**10 DAY LiteSpeed Quick-Ship**  
Many configurations of this fixture are available in our Litespeed 10-day quick-ship program. The "10-day" icon in the descriptions below shows which options are available in Litespeed. Litespeed orders are shipped within 10 working days of receipt of a released, cleared order. An "LS" prefix is required in front of the ordering number to have the order handled as Litespeed. Other configurations not indicated here may be available for 10-day shipment; contact Customer Service for availability. Some restrictions may apply to large orders. All Litespeed fixtures are supplied in textured white finish (TCWM).



### Baffle and Diffuser Options

- PBCWM** Radiused Parabolic Baffle finished Matte White. 30 cells producing 30° lengthwise shielding.
- PBCWM/O** Radiused Parabolic Baffle finished Matte White, with Overlay. For additional diffusing of lamp(s), Matte White acrylic overlay provided to lay over baffle blades.
- PBSS** Radiused Parabolic Semi-specular Baffle. 30 cells, producing 30° lengthwise shielding.
- PBSS/O** Radiused Parabolic Semi-specular Baffle, with Overlay. For additional diffusing of lamp(s), Matte White acrylic overlay provided to lay over baffle blades.
- SGL** Soft Glow Lens. Extruded frosted acrylic, follows contour of fixture housing.

### Other Options

- DSR** Distribution Separator Reflector. Allows fixtures to deliver separate uplight and downlight with three-lamp cross-section. Requires tandem wiring (TW) to provide separate switching of downlight. No tools required for installation. Finish is Matte White.
- ECSS** End Cap Shelf-Style. Die-cast shelf-style end caps with no exposed fasteners.
- F** Fuse. Slow or fast blow, determined by Litecontrol.
- LP/EF** Low-profile Emergency Fluorescent Ballast. Battery-powered ballast from a UL Listed manufacturer will operate one lamp for 1 1/2 hours.

### Ballast Options

- Specify in place of LP/ELB, contact factory for availability/compatibility with lamping:
- DA/MK7** Advance Mark VII dimming ballast
  - LPD/MK7** Low-profile Advance Mark VII dimming ballast (T5HO)
  - LPD/DIO** Low-profile Universal DIO dimming ballast (T5)

#### To have the fixture enabled for Lutron EcoSystem compatibility:



**LPD/CS/e** EcoSystem low-profile dimming electronic ballasts installed at the factory, along with all required internal EcoSystem wiring. For other configurations of the Lutron EcoSystem components, including custom device connection feeds to enable connection to ceiling-mounted sensors and control devices, consult [litecontrol.com/cs](http://litecontrol.com/cs) or contact the factory.

#### Questions to Ask

1. Row information, including desired fixture lengths? 2. Lamp type?
3. Baffle or Diffuser type? 4. White, Litecolor, or special color?
5. Ballast options? 6. Tandem wiring? 7. Controls solutions?
8. Other options? 9. 120 or 277 volt?

Click on  
**Quick Find 98id**  
  
[litecontrol.com](http://litecontrol.com)

## Tandem Wiring & Circuiting Options

**1CWQ**  Fixture is wired with a single-circuit so that all lamps are switched together.  
**TW-2CWQ**  Fixtures wired with two circuits. 2-lamp in cross section fixtures, the fixture is wired such that the inline lamps are switched separately. 3-lamp in cross section fixtures, the fixture is wired such that the inline center lamps are switched separately from the inline outer lamps.

## Specifications

**HOUSING.** Die-formed steel with downlight opening, 3 11/16" x 41 1/4", in each four-foot section of fixture. Diffuser opening starts at 3 3/8" from each fixture end. At the center of eight-foot fixtures and four-feet from the ends of twelve-foot fixtures openings are spaced 6 3/4" end-to-end, to match spacing between openings in joined fixtures.

**END CAPS.** End caps are 14-gauge steel with no holes or knockouts, finished to match housing.

**REFLECTORS.** Die-formed high-reflectance aluminum side reflectors. Optional Distribution Separator Reflector (**DSR**) allows three-lamp fixtures to deliver separately switched uplight and downlight.

**LAMPING.** Available in one-, two-, and three-lamp T5, T5HO, or T8.

**BALLAST.** Electronic Ballast (**ELB** - for T8 lamping) or Low-profile Electronic Ballast (**LP/ELB** - for T5 or T5HO lamping), high power factor, thermally protected Class P, Sound Rated A, less than 10% THD, manufactured by a UL Listed manufacturer, as available, determined by Litecontrol. Ballasts with a voltage range of 120 to 277 will be used when fixture configuration and ballast availability allow. The minimum number of ballasts will be used.


**TANDEM WIRING.** When selected from Ordering guide below, fixtures wired to switch in-line lamps separately, providing two or three (three-lamp cross-section fixtures only) levels of light.

**PRE-WIRING.** Fixtures are supplied with #12 AWG type THHN wire for branch circuits. One end will have factory-installed push-in quick-connects. The other end will be stripped back 1/2" for quick connection in field. For fixtures to accommodate special circuits such as night light and emergency, etc., in-field wiring will be required. See Pre-Wiring Information for details.

**ROW JOINING.** Fixture end headers are threaded in two locations to allow easy row joining without removing reflectors. Support points are centered above the midpoint of joint "on seam" for aligned, symmetrical appearance.

**SYSTEM CONNECTORS.** Corners, tees, and crosses available. Connectors are die-formed steel, same profile as housing, with no exposed fasteners or knockouts. Each system connector shall have a rigid cross-member with a .687" diameter stem hole at center to accept any of Litecontrol's pendant assemblies.

**SUSPENSION.** Yoke with field adjustable aircraft cable attaches directly to the end header. Mounting points in rows are exactly "on module" at 48", 96", and 144" including at ends of rows.

**CERTIFICATION.** Fixture and electrical components shall be UL and/or CUL Listed and shall bear the I.B.E.W., A.F. of L. label.  This fixture is Cradle to Cradle Certified<sup>CM</sup> Silver by MBDC.

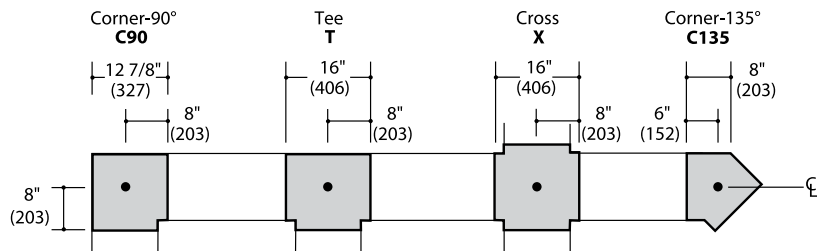
Note: Litecontrol reserves the right to change specifications without notice for product development and improvement.

## System connectors

### Catalog Number

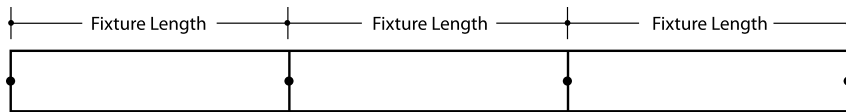
Series	Connector	Finish
P-ID-9800	C90	
P-ID-9800	C135	
P-ID-9800	T	
P-ID-9800	X	

P-ID-9800-C90-TCWM is a typical catalog number for a 90° corner connector finished Textured Matte White.



## Planning for installation

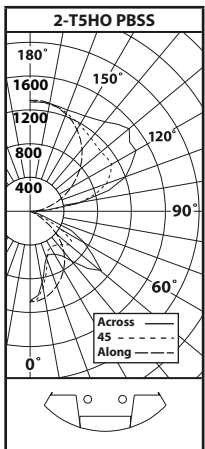
### Row diagram



Fixture Lengths: 4', 8', 12'  
 • Indicates pendant locations

Photometric data T5HO lamping

SAE P-ID-9800 & LS-P-ID-9800



CANDLEPOWER SUMMARY						
ANGLE	0	22.5	45	67.5	90	OUTPUT LUMENS
180	1298	1298	1298	1298	1298	
175	1304	1299	1303	1311	1305	125
165	1258	1261	1278	1297	1288	362
155	1165	1177	1209	1274	1289	566
145	1029	1057	1157	1283	1337	736
135	855	902	1109	1355	1463	877
125	657	750	1114	1395	1433	967
115	448	624	1054	1277	1315	947
105	236	524	804	945	962	737
95	63	223	237	206	190	245
90	4	13	9	7	6	
85	14	15	15	19	23	21
75	40	50	58	61	79	70
65	99	148	257	423	530	280
55	286	327	602	813	894	508
45	522	371	554	823	959	480
35	710	458	491	593	645	355
25	860	669	506	547	562	285
15	975	899	754	671	642	224
5	1049	1046	1034	1018	1001	97
0	1055	1055	1055	1055	1055	

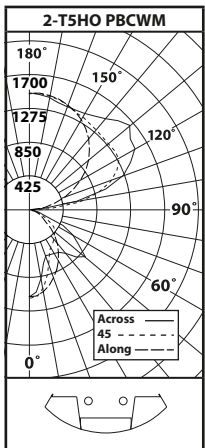
P-ID-9824T5HO-PBSS 87.5% Efficiency																		
Litecontrol Certified Test Report #63026340																		
RCC	80			70			50			30			10			0		
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	
RCR																		
0	.89	.89	.89	.89	.80	.80	.80	.80	.63	.63	.63	.47	.47	.47	.33	.33	.33	.26
1	82	78	75	72	73	70	68	65	56	54	52	42	41	40	29	29	28	22
2	75	69	64	59	67	62	57	54	49	46	43	37	35	34	26	25	24	19
3	68	60	54	50	61	54	49	45	43	40	37	33	31	29	23	22	21	16
4	62	53	47	42	56	48	43	38	38	34	31	29	27	24	21	19	18	14
5	57	47	40	35	51	43	37	32	34	30	26	26	23	21	18	17	15	12
6	52	42	35	30	47	38	32	28	30	26	23	23	20	18	16	14	13	10
7	48	37	31	26	43	34	28	24	27	23	20	21	18	15	15	13	11	09
8	44	34	27	22	39	30	25	21	24	20	17	19	15	13	13	11	10	07
9	41	30	24	19	36	27	22	18	22	18	15	17	14	11	12	10	08	06
10	38	27	21	17	34	25	19	16	20	16	13	15	12	10	11	09	07	06

Floor Cavity Reflectance .20

ZONAL LUMEN SUMMARY				
ZONE	LUMENS	% LAMP	% LUMINAIRE	
180-90°	5557	61.75	70.60	
90-0°	2313	25.71	29.40	
180-0°	7871	87.46	100.00	

LUMINANCE SUMMARY (fL)				
ANGLE	0°	45°	90°	
45°	1546	1647	2850	
55°	1045	2206	3278	
65°	491	1277	2637	
75°	322	466	643	
85°	334	364	554	



CANDLEPOWER SUMMARY						
ANGLE	0	22.5	45	67.5	90	OUTPUT LUMENS
180	1437	1437	1437	1437	1437	
175	1451	1439	1434	1431	1422	137
165	1420	1398	1395	1386	1364	395
155	1346	1332	1317	1353	1352	620
145	1225	1216	1279	1373	1404	815
135	1060	1083	1251	1456	1550	986
125	858	935	1252	1495	1519	1091
115	608	772	1149	1330	1379	1048
105	337	598	852	963	978	791
95	86	236	236	210	190	259
90	10	30	29	22	14	
85	28	31	31	33	37	42
75	92	99	102	107	126	113
65	163	173	189	328	460	245
55	258	245	346	595	737	374
45	451	335	414	628	824	390
35	638	488	478	574	641	344
25	814	700	550	581	609	297
15	964	923	802	719	682	233
5	1068	1062	1048	1037	1017	99
0	1072	1072	1072	1072	1072	

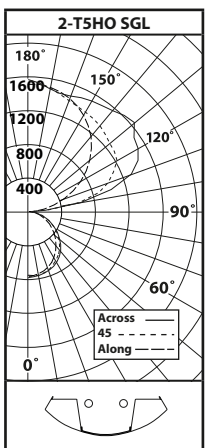
P-ID-9824T5HO-PBCWM 91.9% Efficiency																		
Litecontrol Certified Test Report #63026390																		
RCC	80			70			50			30			10			0		
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	
RCR																		
0	.93	.93	.93	.93	.83	.83	.83	.83	.64	.64	.64	.47	.47	.47	.31	.31	.31	.24
1	85	81	78	75	76	73	70	67	56	55	53	42	40	39	28	27	27	20
2	77	71	66	61	69	64	59	55	50	47	44	37	35	33	25	24	23	17
3	71	63	57	51	63	56	51	47	44	40	37	33	30	28	22	21	20	15
4	65	55	49	43	58	50	44	39	39	35	32	29	26	24	20	18	17	13
5	59	48	42	37	53	44	38	33	35	30	27	26	23	21	18	16	15	11
6	54	44	37	32	48	39	33	29	31	27	23	23	20	18	16	14	13	10
7	50	39	32	27	45	35	29	25	28	23	20	21	18	16	14	12	11	08
8	46	35	28	24	41	32	26	22	25	21	18	19	16	14	13	11	10	07
9	43	32	25	21	38	29	23	19	23	18	15	17	14	12	12	10	08	06
10	40	29	23	18	35	26	21	17	21	17	14	16	13	11	11	09	07	06

Floor Cavity Reflectance .20

ZONAL LUMEN SUMMARY				
ZONE	LUMENS	% LAMP	% LUMINAIRE	
180-90°	6138	68.20	74.21	
90-0°	2133	23.70	25.79	
180-0°	8271	91.90	100.00	

LUMINANCE SUMMARY (fL)				
ANGLE	0°	45°	90°	
45°	1336	1231	2449	
55°	941	1269	2700	
65°	807	939	2291	
75°	742	825	1025	
85°	674	738	896	



CANDLEPOWER SUMMARY						
ANGLE	0	22.5	45	67.5	90	OUTPUT LUMENS
180	1513	1513	1513	1513	1513	
175	1521	1507	1496	1493	1482	143
165	1476	1441	1409	1416	1406	405
155	1386	1328	1344	1417	1442	637
145	1248	1202	1316	1438	1484	836
135	1064	1063	1263	1467	1561	988
125	846	915	1217	1451	1482	1064
115	596	750	1084	1297	1392	1021
105	323	567	845	956	987	781
95	79	233	235	204	198	262
90	17	57	44	39	36	
85	42	46	52	60	63	67
75	136	142	148	156	159	159
65	238	251	264	276	281	262
55	350	366	385	403	408	344
45	464	474	502	525	528	386
35	571	579	602	624	625	377
25	662	663	677	692	691	313
15	727	723	729	733	727	207
5	761	755	756	754	746	72
0	757	757	757	757	757	

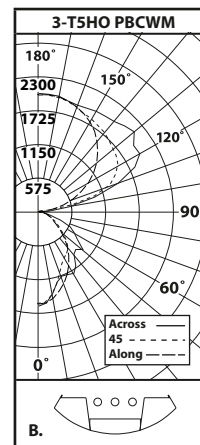
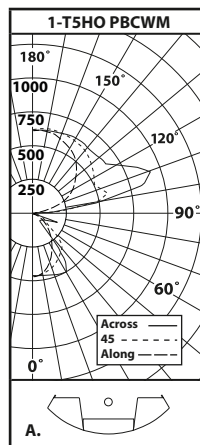
P-ID-9824T5HO-SGL 92.4% Efficiency																		
Litecontrol Certified Test Report #63026600																		
RCC	80			70			50			30			10			0		
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	
RCR																		
0	.94	.94	.94	.94	.84	.84	.84	.84	.65	.65	.65	.48	.48	.48	.32	.32	.32	.24
1	85	82	78	75	76	73	70	67	57	55	53	42	41	39	28	27	27	20
2	78	71	66	61	69	64	59	55	50	47	44	37	35	33	25	24	23	17
3	71	63	56	51	63	56	51	46	44	40	37	33	30	28	22	21	19	15
4	65	55	48	43	58	50	44	39	39	35	32	29	26	24	20	18	17	13
5	59	48	42	37	53	44	38	33	35	30	27	26	23	20	17	16	14	11
6	54	44	37	31	48	39	33	29	31	26	23	23	20	18	16	14	12	09
7	50	39	32	27	45	35	29	25	28	23	20	21	18	15	14	12	11	08
8	46	35	28	23	41	32	26	21	25	21	17	19	16	13	13	11	09	07
9	43	32	25	20	38	29	23	19	22	18	15	17	14	12	12	10	08	06
10	40	29	22	18	35	26	20	16	21	16	13	15	12	10	11	09	07	05

Floor Cavity Reflectance .20

ZONAL LUMEN SUMMARY				
ZONE	LUMENS	% LAMP	% LUMINAIRE	
180-90°	6133	68.15	73.76	
90-0°	2182	24.25	26.24	
180-0°	8316	92.40	100.00	

LUMINANCE SUMMARY (fL)				
ANGLE	0°	45°	90°	
45°	1375	1493	1571	
55°	1277	1413	1497	
65°	1179	1314	1400	
75°	1103	1201	1292	
85°	998	1242	1521	



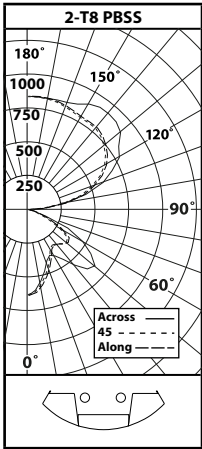
A. P-ID-9814T5HO-PBCWM  
91.8% Efficiency  
Litecontrol Certified Test Report #63016390

B. P-ID-9834T5HO-PBCWM  
88.3% Efficiency  
Litecontrol Certified Test Report #63036390

LITE

**Photometric data T8 lamping**

**SAE P-ID-9800 & LS-P-ID-9800**



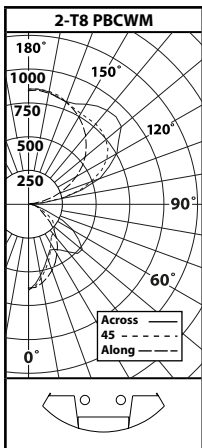
CANDLEPOWER SUMMARY						
ANGLE	0	22.5	45	67.5	90	OUTPUT LUMENS
180	831	831	831	831	831	831
175	836	829	833	835	828	80
165	805	806	821	837	830	233
155	748	757	793	841	854	370
145	661	684	780	888	914	492
135	551	597	763	876	910	573
125	423	520	701	800	809	592
115	289	430	590	658	675	535
105	157	306	409	437	434	377
95	37	108	115	113	113	122
90	1	9	5	3	1	10
85	2	6	5	8	12	10
75	21	27	35	36	48	43
65	63	84	159	238	319	170
55	185	198	357	483	559	309
45	326	253	355	520	612	307
35	433	346	319	396	445	239
25	517	452	386	356	368	193
15	582	548	504	477	464	146
5	626	622	609	600	590	58
0	628	628	628	628	628	628

P-ID-9824T8-PBSS 83.4% Efficiency															
Litecontrol Certified Test Report #63124340															
RCC	80			70			50			30			10	0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	0
RCR															
0	.85	.85	.85	.85	.77	.77	.77	.60	.60	.60	.45	.45	.45	.32	.25
1	.78	.75	.72	.69	.70	.67	.65	.62	.53	.52	.50	.41	.40	.39	.28
2	.71	.66	.61	.57	.64	.59	.55	.52	.47	.44	.42	.36	.34	.33	.26
3	.65	.58	.52	.48	.59	.52	.48	.44	.42	.38	.36	.32	.30	.28	.23
4	.60	.51	.45	.40	.53	.46	.41	.37	.37	.33	.30	.28	.26	.24	.19
5	.55	.45	.39	.34	.49	.41	.35	.31	.33	.29	.26	.25	.22	.20	.16
6	.50	.40	.34	.29	.45	.36	.31	.27	.29	.25	.22	.22	.20	.17	.14
7	.46	.36	.30	.25	.41	.33	.27	.23	.26	.22	.19	.20	.17	.15	.11
8	.42	.32	.26	.22	.38	.29	.24	.20	.23	.19	.16	.18	.15	.13	.10
9	.39	.29	.23	.19	.35	.26	.21	.17	.21	.17	.14	.16	.13	.11	.08
10	.36	.26	.20	.17	.32	.24	.19	.15	.19	.15	.13	.15	.12	.10	.07

Floor Cavity Reflectance .20

ZONAL LUMEN SUMMARY			
ZONE	LUMENS	% LAMP	% LUMINAIRE
180-90°	3369	58.09	69.63
90-0°	1469	25.34	30.37
180-0°	4838	83.43	100.00

LUMINANCE SUMMARY (fL)			
ANGLE	0°	45°	90°
45°	965	1055	1818
55°	675	1309	2050
65°	314	789	1588
75°	169	281	392
85°	43	121	289



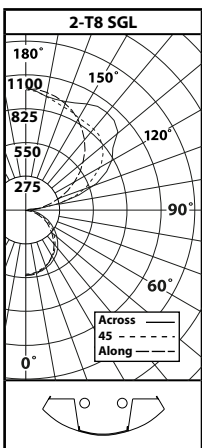
CANDLEPOWER SUMMARY						
ANGLE	0	22.5	45	67.5	90	OUTPUT LUMENS
180	914	914	914	914	914	914
175	922	918	919	917	915	88
165	900	901	898	892	877	254
155	854	855	845	872	878	399
145	774	776	830	922	950	532
135	667	685	825	941	981	632
125	540	599	772	869	871	659
115	381	491	641	688	704	585
105	210	336	425	440	440	398
95	51	107	114	114	112	125
90	3	9	8	4	3	21
85	12	14	14	17	21	21
75	57	61	64	69	78	73
65	104	112	119	208	299	159
55	168	161	233	375	484	245
45	294	237	287	436	552	266
35	415	344	319	392	443	235
25	523	458	411	392	401	202
15	615	572	532	513	502	155
5	680	669	653	642	633	62
0	683	683	683	683	683	683

P-ID-9824T8-PBCWM 87.6% Efficiency															
Litecontrol Certified Test Report #63124300															
RCC	80			70			50			30			10	0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	0
RCR															
0	.89	.89	.89	.89	.80	.80	.80	.62	.62	.62	.46	.46	.46	.31	.24
1	.82	.78	.75	.72	.73	.70	.67	.64	.55	.53	.51	.41	.40	.39	.27
2	.74	.68	.63	.59	.66	.61	.57	.53	.48	.45	.43	.36	.34	.33	.25
3	.68	.60	.54	.50	.61	.54	.49	.45	.43	.39	.36	.32	.30	.28	.21
4	.62	.53	.47	.42	.56	.48	.42	.38	.38	.34	.31	.29	.26	.24	.19
5	.57	.47	.40	.35	.51	.43	.37	.32	.34	.30	.26	.26	.23	.21	.16
6	.52	.42	.35	.31	.47	.38	.32	.28	.30	.26	.23	.23	.20	.18	.14
7	.48	.38	.31	.26	.43	.34	.28	.24	.27	.23	.20	.21	.18	.15	.11
8	.44	.34	.27	.23	.40	.31	.25	.21	.24	.20	.17	.19	.16	.13	.10
9	.41	.31	.24	.20	.37	.28	.22	.18	.22	.18	.15	.17	.14	.12	.09
10	.38	.28	.22	.18	.34	.25	.20	.16	.20	.16	.13	.15	.12	.10	.08

Floor Cavity Reflectance .20

ZONAL LUMEN SUMMARY			
ZONE	LUMENS	% LAMP	% LUMINAIRE
180-90°	3668	63.25	72.18
90-0°	1413	24.38	27.82
180-0°	5082	87.63	100.00

LUMINANCE SUMMARY (fL)			
ANGLE	0°	45°	90°
45°	870	853	1642
55°	615	856	1775
65°	515	594	1489
75°	465	517	630
85°	288	328	513



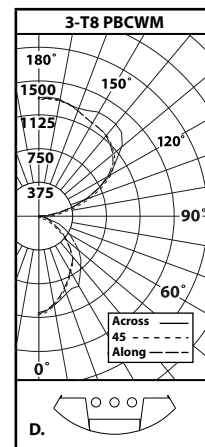
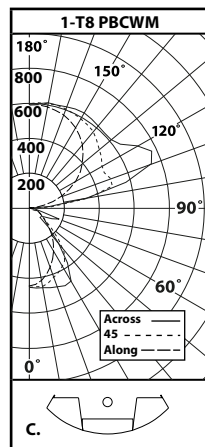
CANDLEPOWER SUMMARY						
ANGLE	0	22.5	45	67.5	90	OUTPUT LUMENS
180	963	963	963	963	963	963
175	971	961	955	952	940	91
165	942	918	903	913	903	260
155	884	853	875	912	928	411
145	794	774	856	969	996	548
135	679	683	851	958	995	643
125	540	594	778	852	847	655
115	376	499	619	688	712	582
105	208	331	423	441	439	398
95	47	110	111	111	115	127
90	2	11	17	15	18	21
85	21	28	31	34	32	37
75	90	96	100	102	109	106
65	164	173	181	190	194	180
55	237	251	265	278	281	237
45	318	325	341	356	363	264
35	392	398	412	427	426	258
25	452	452	462	473	473	214
15	492	496	493	498	500	141
5	516	514	517	516	513	50
0	516	516	516	516	516	516

P-ID-9824T8-SGL 89.5% Efficiency															
Litecontrol Certified Test Report #63124600															
RCC	80			70			50			30			10	0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	0
RCR															
0	.91	.91	.91	.91	.82	.82	.82	.64	.64	.64	.48	.48	.48	.33	.26
1	.83	.80	.76	.73	.75	.71	.69	.66	.56	.54	.53	.42	.41	.40	.28
2	.76	.69	.64	.60	.68	.62	.58	.54	.49	.46	.43	.37	.35	.33	.26
3	.69	.61	.55	.50	.62	.55	.50	.46	.43	.40	.37	.33	.30	.28	.21
4	.63	.54	.47	.42	.56	.49	.43	.38	.39	.34	.31	.29	.26	.24	.19
5	.58	.47	.41	.36	.52	.43	.37	.33	.34	.30	.27	.26	.23	.21	.16
6	.53	.43	.36	.31	.47	.38	.32	.28	.31	.26	.23	.23	.20	.18	.14
7	.49	.38	.31	.27	.44	.34	.29	.24	.27	.23	.20	.21	.18	.15	.11
8	.45	.34	.28	.23	.40	.31	.25	.21	.25	.20	.17	.19	.16	.13	.10
9	.42	.31	.24	.20	.37	.28	.22	.18	.22	.18	.15	.17	.14	.12	.08
10	.39	.28	.22	.18	.35	.25	.20	.16	.20	.16	.13	.15	.12	.10	.07

Floor Cavity Reflectance .20

ZONAL LUMEN SUMMARY			
ZONE	LUMENS	% LAMP	% LUMINAIRE
180-90°	3709	63.95	71.44
90-0°	1482	25.56	28.56
180-0°	5191	89.51	100.00

LUMINANCE SUMMARY (fL)			
ANGLE	0°	45°	90°
45°	941	1013	1078
55°	866	972	1031
65°	814	902	964
75°	727	812	885
85°	501	748	763



**C. P-ID-9814T8-PBCWM**  
85.3% Efficiency  
Litecontrol Certified Test Report #63114301

**D. P-ID-9834T8-PBCWM**  
85.8% Efficiency  
Litecontrol Certified Test Report #63134300

**LITECONTROL**

100 Hawks Avenue Hanson, MA 02341  
781 294 0100 f: 781 293 2849 litecontrol.com

Click on  
**Quick Find 98id**  
litecontrol.com