

Arcos™ Perf II

P-I-5900 & LS-P-I-5900
Pendant-Mounted Indirect

Product Description

Die-formed steel housing with perforated sections and white acrylic diffusing panels behind the perforations. Reflectors are high-reflectance specular aluminum center and side elements. UL Listed. Cradle to Cradle Certified.™

CS™ Control Solutions available

Ordering Guide

Product, lampping, & length						Options					
P -	I -	59	6	8	T5HO -	TCWM -	LP/ELB -	TW -	2CWQ -	ECSS -	120
Mounting	Distribution	Series	Lamp Count	Nominal Length(ft)	Lamp Type	Finish	Ballast	Tandem Wiring	Pre-wiring	Other Options	Volts
P Pendant-mounted LS-P LiteSpeed Pendant-mounted	I Indirect	59	2, 3, 4 → 4, 6, 8 → 1, 2, 3 → 2, 4, 6 →	4 → 8 → 4 → 8 →	T8 T5HO T5	TCWM (textured matte white) is standard see LiteColors™ in product guide for other finishes	LP/ELB is standard LPD/CS/e LPD/DIO see Ballast Options	-- → TW → see notes	1CWQ 2CWQ	CS/dlh* CS/av/PR CS/av/PL CS/us ECSS F LK LP/EF see Other Options	120 277
Mounting Options - add to end of catalog number Aircraft cables <input type="checkbox"/> FAI/ACC (field adjustable) <input checked="" type="checkbox"/> standard Stems <input type="checkbox"/> P6S (stem) <input type="checkbox"/> SC/P6 (sloped ceiling) <input type="checkbox"/> EQ/P6 (earthquake)											

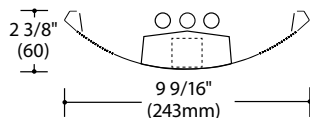
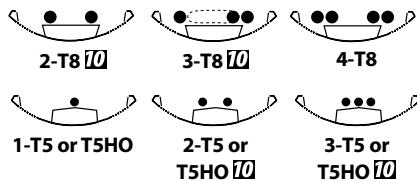
P-I-5968T5HO-TCWM-LP/ELB-TW-2CWQ-ECSS-120-FAI/ACC is a typical catalog number for a 6-lamp (3 lamps in cross-section), 8-foot long, high-output T5 fixture with textured matte white finish, low-profile electronic ballast, tandem-wired, pre-wired with two-circuit branch wiring and quick-connects, shelf-style end caps, 120 volts, mounted with field adjustable aircraft cables.



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).

Cross-section lampping



Ballast Options

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 or contact the factory.
LPD/DIO Universal Lighting Technologies dimming ballast

Other Options

- CS/dlh** Daylight harvesting solution. See next page for details.
- CS/av** This fixture is compatible with the Litecontrol CS/av control solution. See next page for details.
- CS/us** Ultrasonic occupancy sensor control solution. Only available on / 4- and 8-foot fixtures. See next page for details.
- ECSS** End Cap Shelf-Style. Die-cast shelf-style end caps with no exposed fasteners.
- F** Fuse. Slow or fast blow, determined by Litecontrol.
- LK** Lens kit dust cover (available for T8)
- LP/EF** Low-profile Emergency Fluorescent Ballast. Battery-powered ballast from a UL Listed manufacturer will operate one lamp for 1 1/2 hours.


Questions to Ask


1. Row information, including desired fixture lengths?
2. Lamp type? 3. Ballast options?
4. Controls solutions? 5. Other options? 6. 120 or 277 volt?

Click on **Quick Find 59**

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 frame-finished perforated sections of 23% open .062" diameter staggered holes .125" OC with white acrylic diffusing panels retained behind. Perforated areas are 1 3/4" wide, and end 3 1/4" from each fixture end. Perforated surfaces are "actively lighted" with direct illumination from lamp(s). At the center of 8-foot fixtures, perforations are interrupted for 6 1/2" to match perforation patterns of joined 4-foot fixtures.

END CAPS. Required at each end of row and at both ends of an individual fixture. Standard end caps are die-cast sculpted end caps with no exposed fasteners. A "shelf-style" end cap (**ECSS**) is available as an option, also die-cast with no exposed fasteners. All end caps finished to match housing. Note: Flat end caps are not available for Arcos Perf II.

REFLECTORS. Die-formed high-reflectance aluminum center and side reflectors. Snap-in center cover for T5 fixtures.

LAMPING. Available in one-, two-, and three-lamp T5 or T5HO; two-, three- and four- lamp T8. In three-lamp T8 configuration, center lamp is diagonally positioned along length to clear suspension hardware at fixture ends, and provides symmetrical light distribution.

BALLAST. Low-profile Electronic Ballast (**LP/ELB**), 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 can be wired to switch in-line lamps separately, providing two (two- and four- lamp cross-section fixtures only) 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, in-field wiring will be required. See Pre-Wiring Information for details.

BALLAST DISCONNECT. Fixture supplied with a ballast disconnect device to enable compliance with the NEC.

ROW JOINING. Litecontrol's at-joint flat strap supporting two fixtures allows simple fixture joining and installation. Support points are centered above the midpoint of joint "on seam" for aligned, symmetrical appearance. Fixture end headers are threaded in two locations to allow easy row joining without removing reflectors.

SYSTEM CONNECTORS. Corners, tees, and crosses available. Connectors are extruded aluminum, non-perforated 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. Die-cast joint connectors included with each corner, tee or cross.

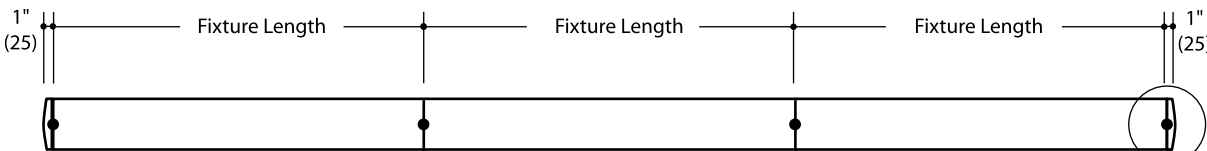
SUSPENSION. Aircraft cable or rigid stem pendants attach to fixture using Litecontrol's easy-hang system, with one attachment plate for use at any support point. Mounting points in rows are exactly "on module" at 48" and 96", including ends of rows. Standard suspension provided is field adjustable aircraft cable (**FAI/ACC**) with a 51" length cable. See Aircraft Cables and Stems for details.

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.  LISTED This fixture is Cradle to Cradle Certified^{CM} Silver by MBDC.

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

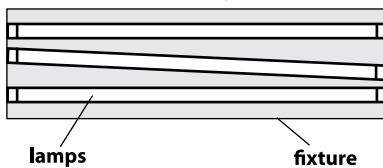
Planning for installation

Row diagram



Top view: 3-lamp T8 lamp position

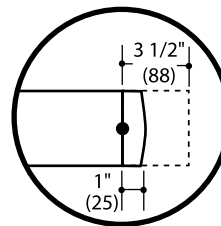
Center lamp is inserted *diagonally* on 3-lamp T8 fixtures only



Standard (sculpted) end cap adds 1" length to each end of row or individual fixture.

Optional **ECSS** (shelf-style) end cap adds 3 1/2" length to each end of row or individual fixture.

Fixture Lengths: 4', 8'
● Indicates pendant locations



LITECONTROL

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



CS^{dlh} Option

To have the fixture supplied with the daylight harvesting control solution:

Add – **CS/dlh** to the ordering code to have a fixture-integrated daylight sensor by Watt Stopper installed at the factory, along with the appropriate electronic dimming ballast and internal wiring. For row-configured installations, one fixture integrated daylight sensor controls the entire row. See the separate CS/dlh Technical Sheet for details. Contact factory for technical assistance.

Example of Control Solutions catalog number

P-I-5948T8-CWM-LPD/ELB-1CWQ-CS/dlh-120-FAI/ACC is the catalog number for a 4-lamp (2 lamp in cross-section) 8-foot long indirect T8 fixture, finished Matte White, with low-profile electronic dimming ballast, one-circuit branch wiring and quick connects, includes daylight harvesting control solution (daylight sensor), 120 volts, mounted with field adjustable aircraft cable.

CS^{av} Option

To order fixtures with the CS/av control solution, the correct fixture code is needed along with a separate code for the CS/av system. Please refer to the CS/av Technical Sheet for details on ordering the system.

For the fixture order:

ADD CS/av/PR instead of tandem wiring and circuiting in the fixture catalog number for fixtures that are perpendicular to the presentation area, to control the front 8' of luminaires in each row

ADD CS/av/PL instead of tandem wiring and circuiting in the fixture catalog number for fixtures that are parallel to the presentation area, to control the entire front row of fixtures

Ensure that the lamping shown in the fixture code (2-lamp or 3-lamp in cross-section) matches the information in the CS/av system code. Luminaire rows with CS/av/PR will require two feeds which will be supplied as a dual-feed at one end, where available, to maximize installation savings.

CS^{us} Option

To have the fixture supplied with the ultrasonic occupancy sensor control solution:

Add – **CS/us** to the ordering code to have a fixture-integrated ultrasonic occupancy sensor by Watt Stopper installed at the factory. The sensor is installed in the center of a 4- or an 8-foot fixture, and provides automatic on/off control of the fixture based on motion detection. See the separate CS/us Technical Sheet for details. Contact factory for technical assistance.

Example of Control Solutions catalog number

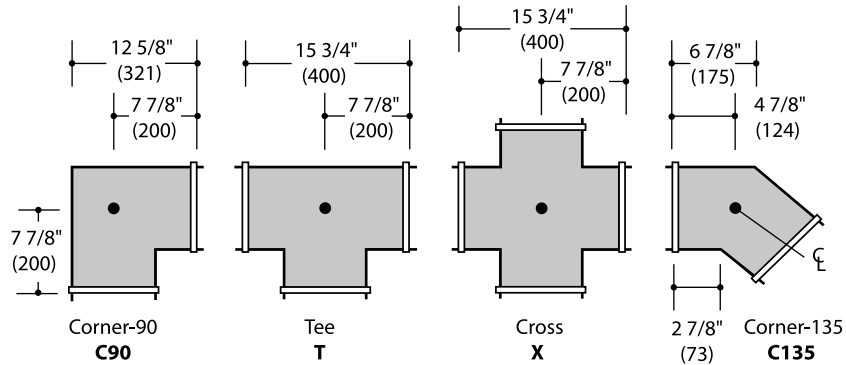
P-I-5948T8-CWM-LPD/ELB-1CWQ-CS/us-120-FAI/ACC is the catalog number for a 4-lamp (2 lamp in cross-section) 8-foot long indirect T8 fixture, finished Matte White, with low-profile electronic dimming ballast, one-circuit branch wiring and quick connects, includes ultrasonic occupancy sensor control solution (ultrasonic occupancy sensor), 120 volts, mounted with field adjustable aircraft cable.

System connectors

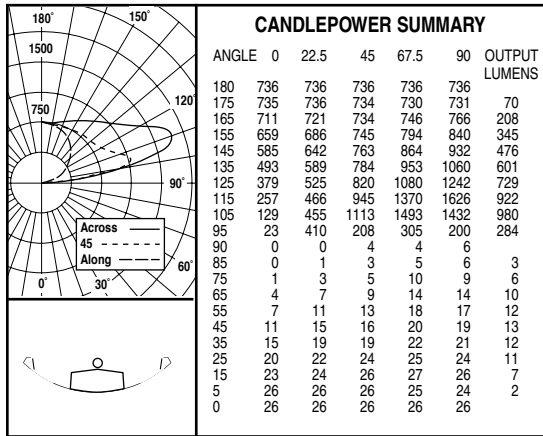
Catalog Number

Series	Connector	Finish
P-I-5900	C90	
P-I-5900	C135	
P-I-5900	T	
P-I-5900	X	

P-I-5900-C90-TCWM is a typical catalog number for a 90° corner connector finished Textured Matte White.



Photometric data T5HO lamps

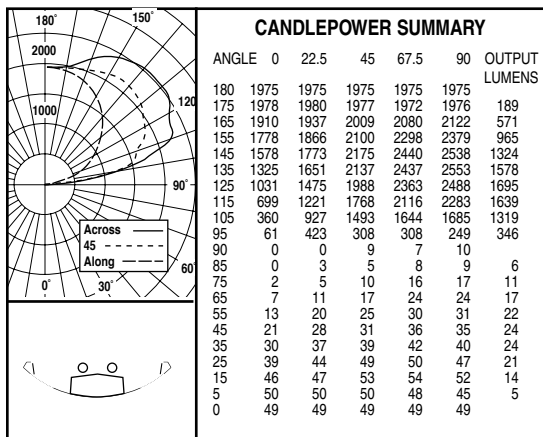


RCC	80			70			50			30			10			0			
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0	
RCR	0	.90	.90	.90	.90	.77	.77	.77	.77	.53	.53	.53	.31	.31	.31	.11	.11	.11	.02
1	.82	.78	.74	.71	.70	.67	.64	.62	.46	.44	.43	.27	.26	.26	.10	.09	.09	.01	
2	.74	.68	.63	.58	.63	.58	.54	.50	.40	.38	.35	.24	.22	.21	.08	.08	.08	.01	
3	.68	.59	.53	.48	.58	.51	.46	.42	.35	.32	.30	.21	.19	.18	.07	.07	.06	.01	
4	.62	.52	.46	.40	.53	.45	.40	.35	.31	.28	.25	.18	.17	.15	.07	.06	.05	.01	
5	.56	.46	.39	.34	.48	.40	.34	.30	.28	.24	.21	.16	.14	.13	.06	.05	.05	.01	
6	.52	.41	.34	.29	.44	.36	.30	.26	.25	.21	.18	.15	.13	.11	.05	.05	.04	.01	
7	.48	.37	.30	.25	.41	.32	.26	.22	.22	.19	.16	.13	.11	.10	.05	.04	.04	.00	
8	.44	.33	.27	.22	.37	.29	.23	.19	.20	.16	.14	.12	.10	.08	.04	.04	.03	.00	
9	.41	.30	.24	.19	.35	.26	.21	.17	.18	.15	.12	.11	.09	.07	.04	.03	.03	.00	
10	.38	.27	.21	.17	.32	.24	.18	.15	.17	.13	.11	.10	.08	.07	.04	.03	.02	.00	

Floor Cavity Reflectance .20

ZONE	LUMENS	% LAMP	% LUMINAIRE
180-90°	4615	92.3	98.4
90-0°	77	1.5	1.6
180-0°	4692	93.8	100.00

ANGLE	0°	45°	90°
45°	53	77	91
55°	41	77	101
65°	32	72	104
75°	13	55	80
85°	0	44	66

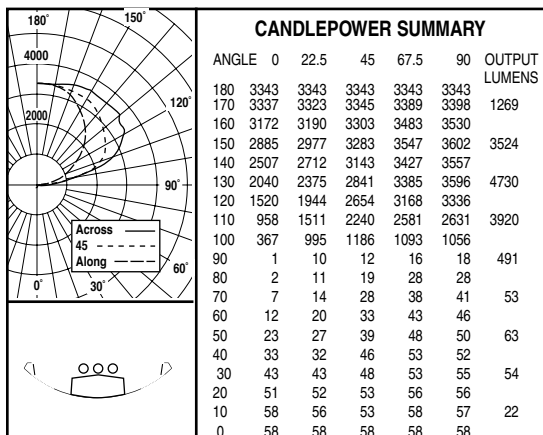


RCC	80			70			50			30			10			0			
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0	
RCR	0	.93	.93	.93	.93	.80	.80	.80	.80	.55	.55	.55	.32	.32	.32	.11	.11	.11	.01
1	.85	.81	.77	.74	.73	.69	.67	.64	.48	.46	.45	.28	.27	.26	.10	.10	.09	.01	
2	.77	.71	.65	.61	.66	.61	.56	.52	.42	.39	.37	.25	.23	.22	.09	.08	.08	.01	
3	.70	.62	.55	.50	.60	.53	.48	.44	.37	.34	.31	.22	.20	.19	.08	.07	.07	.01	
4	.64	.55	.48	.42	.55	.47	.41	.37	.33	.29	.26	.19	.17	.16	.07	.06	.06	.01	
5	.59	.48	.41	.36	.50	.42	.36	.31	.29	.25	.22	.17	.15	.13	.06	.05	.05	.01	
6	.54	.43	.36	.31	.46	.37	.31	.27	.26	.22	.19	.15	.13	.12	.05	.05	.04	.01	
7	.49	.38	.31	.26	.42	.33	.27	.23	.23	.19	.16	.14	.12	.10	.05	.04	.04	.00	
8	.46	.35	.28	.23	.39	.30	.24	.20	.21	.17	.14	.12	.10	.09	.04	.04	.03	.00	
9	.42	.31	.25	.20	.36	.27	.21	.18	.19	.15	.13	.11	.09	.08	.04	.03	.03	.00	
10	.39	.28	.22	.18	.34	.25	.19	.15	.17	.14	.11	.10	.08	.07	.04	.03	.02	.00	

Floor Cavity Reflectance .20

ZONE	LUMENS	% LAMP	% LUMINAIRE
180-90°	9625	96.2	98.5
90-0°	142	1.4	1.5
180-0°	9767	97.7	100.00

ANGLE	0°	45°	90°
45°	101	149	168
55°	77	149	184
65°	56	136	178
75°	26	109	150
85°	0	74	100



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	0	
RCR	0	.90	.90	.90	.90	.77	.77	.77	.77	.53	.53	.53	.31	.31	.31	.11	.11	.11	.01
1	.82	.78	.75	.72	.70	.67	.64	.61	.46	.45	.43	.27	.26	.25	.09	.09	.09	.01	
2	.74	.68	.63	.58	.63	.58	.54	.50	.40	.38	.35	.24	.22	.21	.08	.08	.08	.01	
3	.68	.60	.53	.48	.58	.51	.46	.42	.35	.32	.30	.21	.19	.18	.07	.07	.06	.01	
4	.62	.52	.46	.41	.53	.45	.40	.35	.31	.28	.25	.18	.17	.15	.06	.06	.05	.01	
5	.56	.46	.39	.34	.48	.40	.34	.30	.28	.24	.21	.16	.14	.13	.06	.05	.05	.01	
6	.52	.41	.34	.29	.44	.36	.30	.26	.25	.21	.18	.15	.13	.11	.05	.04	.04	.00	
7	.48	.37	.30	.25	.41	.32	.26	.22	.22	.18	.16	.13	.11	.10	.05	.04	.03	.00	
8	.44	.33	.26	.22	.37	.29	.23	.19	.20	.16	.14	.12	.10	.08	.04	.03	.03	.00	
9	.41	.30	.23	.19	.35	.26	.20	.17	.18	.14	.12	.11	.09	.07	.04	.03	.03	.00	
10	.38	.27	.21	.17	.32	.23	.18	.15	.16	.13	.10	.10	.08	.06	.03	.03	.02	.00	

Floor Cavity Reflectance .20

ZONE	LUMENS	% LAMP	% LUMINAIRE
180-90°	13915	92.77	98.56
90-0°	203	1.36	1.44
180-0°	14118	94.12	100.00

ANGLE	0°	45°	90°
45°	44	62	70
55°	29	66	81
65°	29	65	93
75°	17	79	114
85°	0	85	120

Photometric data T8 lamps

CANDLEPOWER SUMMARY						
ANGLE	0	22.5	45	67.5	90	OUTPUT LUMENS
180	915	915	915	915	915	
170	904	921	963	1003	1014	371
160	859	928	1027	1112	1135	
150	779	908	1061	1185	1226	1131
140	669	855	1062	1248	1315	
130	544	769	1058	1333	1443	1724
120	402	671	1082	1339	1402	
110	253	583	920	974	992	1516
100	104	399	438	422	418	
90	2	5	10	11	10	198
80	2	3	2	8	8	
70	2	2	7	12	13	15
60	2	4	8	12	14	
50	5	9	13	15	16	20
40	9	12	15	18	20	
30	14	14	17	19	16	18
20	16	18	14	20	19	
10	20	20	19	14	20	8
0	19	19	19	19	19	

P-I-5924T8-LP/ELB 86.1% Efficiency Litecontrol Certified Test Report #30621002																		
RCC	RW	80				70				50		30		10		0		
		70	50	30	10	70	50	30	10	50	30	10	50	30	10	0		
RCC																		
RW																		
0	.82	.82	.82	.82	.70	.70	.70	.70	.48	.48	.48	.28	.28	.28	.10	.10	.10	.01
1	.75	.71	.68	.65	.64	.61	.59	.56	.42	.41	.39	.25	.24	.23	.09	.08	.08	.01
2	.68	.62	.57	.53	.58	.53	.49	.46	.37	.34	.32	.22	.20	.19	.07	.07	.07	.01
3	.62	.55	.49	.44	.53	.47	.42	.39	.32	.30	.27	.19	.18	.16	.07	.06	.06	.01
4	.56	.48	.42	.37	.48	.41	.36	.32	.29	.25	.23	.17	.15	.14	.06	.05	.05	.01
5	.52	.42	.36	.31	.44	.37	.31	.27	.25	.22	.19	.15	.13	.12	.05	.05	.04	.00
6	.47	.38	.31	.27	.40	.33	.27	.23	.23	.19	.17	.13	.12	.10	.05	.04	.04	.00
7	.44	.34	.27	.23	.37	.29	.24	.20	.20	.17	.14	.12	.10	.09	.04	.04	.03	.00
8	.40	.30	.24	.20	.34	.26	.21	.17	.18	.15	.12	.11	.09	.08	.04	.03	.03	.00
9	.37	.27	.21	.17	.32	.24	.19	.15	.16	.13	.11	.10	.08	.07	.03	.03	.02	.00
10	.34	.25	.19	.15	.29	.21	.17	.13	.15	.12	.10	.09	.07	.06	.03	.03	.02	.00

Floor Cavity Reflectance .20

ZONAL LUMEN SUMMARY			
ZONE	LUMENS	% LAMP	% LUMINAIRE
180-90°	4930	85.00	98.75
90-0°	62	1.07	1.25
180-0°	4992	86.07	100.00

LUMINANCE SUMMARY (fL)			
ANGLE	0°	45°	90°
45°	13	16	27
55°	8	21	25
65°	5	18	27
75°	13	26	33
85°	13	13	38

CANDLEPOWER SUMMARY						
ANGLE	0	22.5	45	67.5	90	OUTPUT LUMENS
180	1466	1466	1466	1466	1466	
170	1439	1475	1524	1577	1590	584
160	1368	1468	1598	1700	1737	
150	1245	1420	1628	1782	1838	1729
140	1078	1324	1613	1828	1905	
130	877	1182	1542	1795	1894	2432
120	651	1009	1417	1619	1660	
110	422	802	1071	1115	1111	1859
100	190	461	487	495	492	
90	3	9	16	21	23	246
80	2	8	13	22	27	
70	8	8	24	33	40	47
60	13	14	32	45	48	
50	25	33	42	53	56	70
40	39	42	50	62	64	
30	51	53	61	65	69	66
20	63	64	69	69	73	
10	71	72	72	73	75	28
0	73	73	73	73	73	

P-I-5934T8-LP/ELB 81.1% Efficiency Litecontrol Certified Test Report #30631002																		
RCC	RW	80				70				50		30		10		0		
		70	50	30	10	70	50	30	10	50	30	10	50	30	10	0		
RCC																		
RW																		
0	.78	.78	.78	.78	.67	.67	.67	.67	.46	.46	.46	.28	.28	.28	.11	.11	.11	.03
1	.71	.67	.65	.62	.61	.58	.56	.53	.40	.39	.38	.24	.23	.23	.09	.09	.09	.02
2	.64	.59	.54	.50	.55	.51	.47	.44	.35	.33	.31	.21	.20	.19	.08	.08	.07	.02
3	.59	.52	.46	.42	.50	.44	.40	.37	.31	.28	.26	.19	.17	.16	.07	.07	.06	.01
4	.53	.45	.40	.35	.46	.39	.34	.31	.27	.24	.22	.17	.15	.14	.06	.06	.05	.01
5	.49	.39	.34	.30	.42	.35	.30	.26	.24	.21	.19	.15	.13	.12	.06	.05	.05	.01
6	.45	.36	.30	.25	.38	.31	.26	.22	.22	.19	.16	.13	.11	.10	.05	.04	.04	.01
7	.41	.32	.26	.22	.35	.28	.23	.19	.19	.16	.14	.12	.10	.09	.05	.04	.03	.01
8	.38	.29	.23	.19	.32	.25	.20	.17	.18	.14	.12	.11	.09	.07	.04	.03	.03	.01
9	.35	.26	.20	.17	.30	.22	.18	.14	.16	.13	.10	.10	.08	.07	.04	.03	.03	.01
10	.33	.24	.18	.15	.28	.20	.16	.13	.14	.11	.09	.09	.07	.06	.03	.03	.02	.01

Floor Cavity Reflectance .20

ZONAL LUMEN SUMMARY			
ZONE	LUMENS	% LAMP	% LUMINAIRE
180-90°	6832	78.53	96.90
90-0°	218	2.52	3.10
180-0°	7051	81.05	100.00

LUMINANCE SUMMARY (fL)			
ANGLE	0°	45°	90°
45°	52	70	83
55°	23	64	88
65°	26	60	97
75°	13	62	99
85°	13	59	103

CANDLEPOWER SUMMARY						
ANGLE	0	22.5	45	67.5	90	OUTPUT LUMENS
180	2099	2099	2099	2099	2099	
170	2055	2092	2146	2182	2201	808
160	1949	2038	2134	2215	2261	
150	1777	1900	2072	2194	2265	2214
140	1536	1706	1949	2126	2219	
130	1251	1453	1762	1989	2128	2851
120	933	1170	1562	1771	1825	
110	597	857	1151	1185	1182	2033
100	256	478	504	496	494	
90	1	7	16	22	22	253
80	2	9	10	28	32	
70	8	14	29	46	49	59
60	15	26	43	58	59	
50	31	40	54	69	74	90
40	45	55	65	78	84	
30	67	68	74	84	89	83
20	79	80	85	88	91	
10	89	89	90	92	92	34
0	90	90	90	90	90	

P-I-5944T8-LP/ELB 72.6% Efficiency Litecontrol Certified Test Report #30641002																		
RCC	RW	80				70				50		30		10		0		
		70	50	30	10	70	50	30	10	50	30	10	50	30	10	0		
RCC																		
RW																		
0	.70	.70	.70	.70	.60	.60	.60	.60	.42	.42	.42	.25	.25	.25	.10	.10	.10	.02
1	.63	.60	.58	.55	.54	.52	.50	.47	.36	.35	.34	.22	.21	.20	.08	.08	.08	.02
2	.58	.53	.48	.45	.49	.45	.42	.39	.32	.30	.28	.19	.18	.17	.07	.07	.07	.02
3	.53	.46	.41	.38	.45	.40	.36	.33	.28	.25	.23	.17	.16	.14	.07	.06	.06	.01
4	.48	.41	.35	.31	.41	.35	.31	.27	.25	.22	.20	.15	.13	.12	.06	.05	.05	.01
5	.44	.35	.31	.27	.37	.31	.27	.23	.22	.19	.17	.13	.12	.10	.05	.05	.04	.01
6	.40	.32	.27	.23	.34	.28	.23	.20	.20	.17	.14	.12	.10	.09	.05	.04	.04	.01
7	.37	.29	.23	.20	.32	.25	.20	.17	.17	.15	.12	.11	.09	.08	.04	.04	.03	.01
8	.34	.26	.21	.17	.29	.22	.18	.15	.16	.13	.11	.10	.08	.07	.04	.03	.03	.01
9	.31	.23	.18	.15	.27	.20	.16	.13	.14	.11	.09	.09	.07	.06	.03	.03	.02	.01
10	.29	.21	.16	.13	.25	.18	.14	.11	.13	.10	.08	.08	.06	.05	.03	.02	.02	.01

Floor Cavity Reflectance .20

ZONAL LUMEN SUMMARY			
ZONE	LUMENS	% LAMP	% LUMINAIRE
180-90°	8139	70.17	96.70
90-0°	277	2.39	3.30
180-0°	8416	72.56	100.00

LUMINANCE SUMMARY (fL)			
ANGLE	0°	45°	90°
45°	60	86	111
55°	43	85	111
65°	34	78	111
75°	30	75	123
85°	25	72	125