

Arcos™ Slots

P-S/I-5400

Pendant-Mounted Semi-Indirect

CS™ Control Solutions available

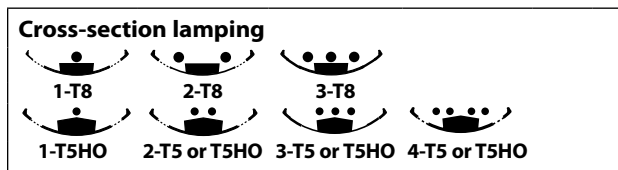
Product Description

One-piece extruded aluminum arcuate shaped luminaire with luminous slots. UL Listed. Cradle to Cradle Certified.™

Ordering Guide

Product, lamping, & length						Options									
P -	S/I -	54	6	8	T5HO -	TCWM -	LP/ELB -	TW -	2CWQ -	ECSS -	120				
Mounting	Distribution	Series	Lamp Count	Nominal Length(ft)	Lamp Type	Finish	Ballast	Tandem Wiring	Circuiting	Other Options	Volts				
P Pendant-Mounted	S/I Semi-Indirect	54	1, 2, 3 → 2, 4, 6 → 3, 6, 9 →	4 → 8 → 12 →	T8	TCWM (textured matte white) is standard	LP/ELB is standard	-- → TW →	1CWQ 2CWQ	ECS ECSS F LP/EF see Other Options	120 277				
Mounting Options - add to end of order number Aircraft Cables <input type="checkbox"/> FAI/ACC (field adjustable) <i>standard</i> Stems <input type="checkbox"/> P6S (stem) <input type="checkbox"/> SC/P6 (sloped ceiling)						see notes see LiteColors™ for other finishes see Ballast Options						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.			
1, 2, 3, 4 → 2, 4, 6, 8 → 3, 6, 9, 12 →						4 → 8 → 12 → T5HO T5									

P-S/I-5468T5HO-TCWM-TW-LP/ELB-2CWQ-LP/EF-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, tandem-wired low-profile electronic ballast, pre-wired with two-circuit branch wiring and quick-connects, low-profile emergency fluorescent ballast, 120 volts, mounted with field adjustable aircraft cables.



Ballast Options **CS**_e

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.

Specify in place of **LP/ELB**, contact factory for availability:

LPD/DIO Universal Lighting Technologies dimming ballast

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.



Other Options

ECS End Cap Sculpted. Die-cast sculpted end caps with no exposed fasteners.

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.

Questions to Ask

1. Row information, including desired fixture lengths?
2. Lamp type? 3. White finish or special color? 4. Ballast options?
5. Controls solutions? 6. Other options? 7. 120 or 277 volt? 8. Cables or stems, what length?

Click on **Quick Find 54s**



litecontrol.com

Specifications

HOUSING. One-piece extruded aluminum, wall thickness .125" with obround slots along outer housing sides. Slots are 1.25" long x .125" wide with white acrylic diffusing panel retained behind.

END CAPS. Required at each end of row and at both ends of an individual fixture. **Flat** end caps are standard; of 14-gauge steel with no holes or knockouts.

ECS option: die-cast sculpted end caps with no exposed fasteners. **ECSS** option: die-cast shelf-style end caps with no exposed fasteners. All end caps finished to match housing.

REFLECTORS. Die-formed specular aluminum with aluminum side rails.

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

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, fixtures wired to switch in-line lamps separately, providing two or three (two-, three- and four-lamp cross-section fixtures only) levels of light.

CIRCUITING. 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.

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 .125" thick extruded aluminum, to be smooth with no slots, 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. 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. 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 are UL and/or CUL Listed (UL LISTED), and bear the I.B.E.W., A.F. of L. label. This fixture is Cradle to Cradle Certified^{CM} Silver by MBDC.

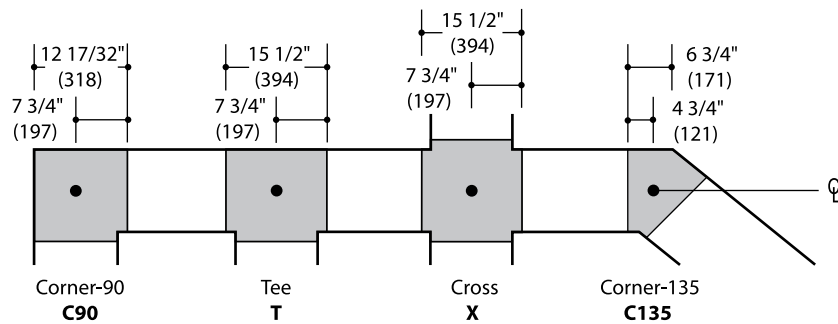
Note: Litecontrol reserves the right to change specifications without notice for product development and improvement.

System connectors

Catalog Number

Series	Connector	Finish
P-S/I-5400	C90	
P-S/I-5400	C135	
P-S/I-5400	T	
P-S/I-5400	X	

P-S/I-5400-C90-TCWM is a typical catalog number for a 90° corner connector finished Textured Matte White.



Planning for installation

Suspension Assemblies

Provided with P6S (5/8" dia, 3/8" NPT) stems, or 3/32" diameter field adjustable aircraft cables (**FAI/ACC**) in 51" lengths (4' nominal). Stems with 0-45° swivel joints are available. Longer length aircraft cables of 87" and 219" are available upon request. See Stems & Aircraft Cables sheets for further details.

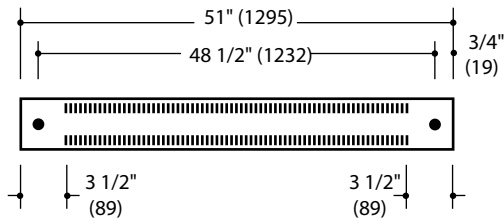
Stem Lengths

P6S stems are available in eight standard lengths from 6" to 36" (nominal). For Arcos Slots, the actual ceiling-to-top-of-fixture dimensions for each of the standard lengths are: 6", 9", 12", 15", 18", 24", 28", and 36". Refer to Standard Length Stem Assemblies sheet for dimensional information on sloped ceiling (**SC/P6**) and earthquake (**EQ/P6**) stem assemblies.

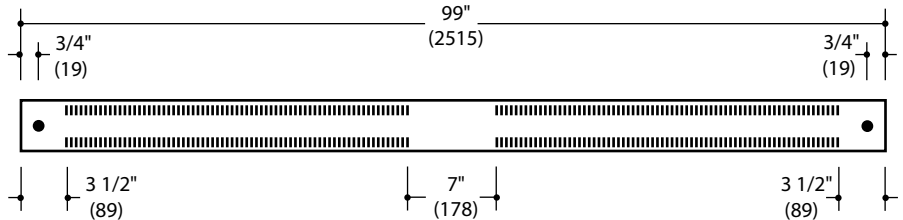
Suspension Mounting Locations

Pendant locations at ends of rows (or individual fixtures) are 3/4" from fixture end. Pendant locations at in-row joints are at the joint. All pendant types (cable or stem) attach to universal flat strap for mounting either at a fixture end or across two fixtures at a row joint. Strap attachment allows for horizontal adjustment to "fine-tune" side-to-side leveling.

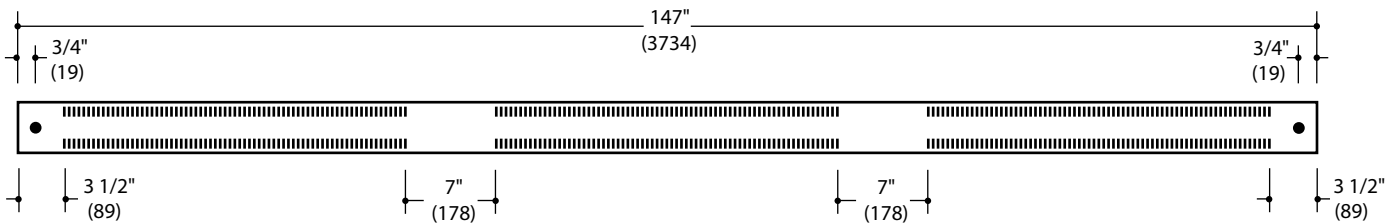
Individual 4' fixture



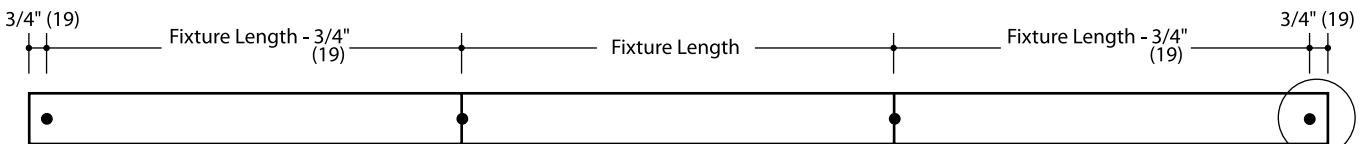
Individual 8' fixture



Individual 12' fixture



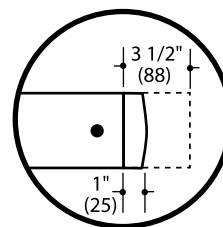
Row diagram



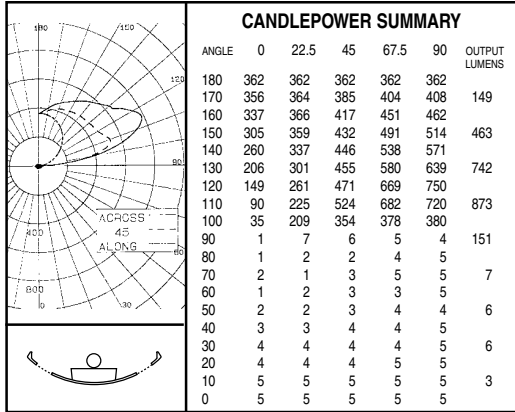
Optional **ECS** (sculpted) end cap adds 1" length to each end of row or individual fixture.

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

Fixture Lengths: 4'-3", 8'-3", 12'-3"
● Indicates pendant locations



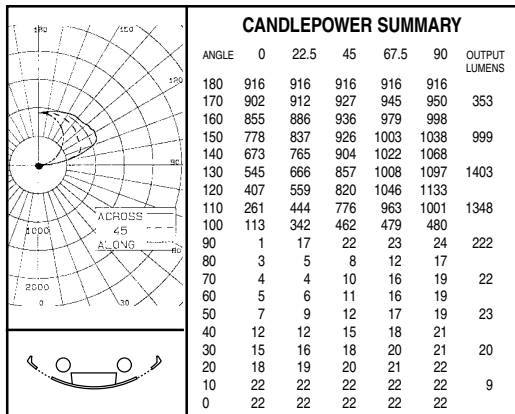
Photometric data T8 lamps



P-S/I-5414T8-LP/ELB 82.4 % Efficiency																								
Litecontrol Certified Test Report #27111000																								
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	50	30	10	50	30	10	
RCC	0	.79	.79	.79	.79	.67	.67	.67	.67	.46	.46	.46	.27	.27	.27	.09	.09	.09	.01					
1	.72	.68	.65	.63	.61	.58	.56	.53	.40	.39	.38	.23	.23	.22	.08	.08	.08	.01						
2	.65	.59	.55	.51	.55	.51	.47	.44	.35	.33	.31	.20	.19	.18	.07	.07	.06	.01						
3	.59	.52	.47	.42	.51	.45	.40	.37	.31	.28	.26	.18	.17	.15	.06	.06	.05	.00						
4	.54	.46	.40	.36	.46	.40	.35	.31	.27	.24	.22	.16	.14	.13	.05	.05	.05	.00						
5	.49	.40	.35	.30	.42	.35	.30	.26	.24	.21	.19	.14	.12	.11	.05	.04	.04	.00						
6	.45	.36	.30	.26	.39	.31	.26	.22	.22	.18	.16	.13	.11	.10	.04	.04	.03	.00						
7	.42	.32	.26	.22	.35	.28	.23	.19	.19	.16	.14	.11	.10	.08	.04	.03	.03	.00						
8	.38	.29	.23	.19	.33	.25	.20	.17	.17	.14	.12	.10	.09	.07	.03	.03	.02	.00						
9	.35	.26	.20	.17	.30	.23	.18	.15	.16	.13	.10	.09	.08	.06	.03	.03	.02	.00						
10	.33	.24	.18	.15	.28	.21	.16	.13	.14	.11	.09	.09	.07	.06	.03	.02	.02	.00						
Floor Cavity Reflectance .20																								

ZONAL LUMEN SUMMARY			
ZONE	LUMENS	% LAMP	% LUMINAIRE
180-90°	2369	81.70	99.10
90-0°	21	.74	.90
180-0°	2390	82.44	100.00

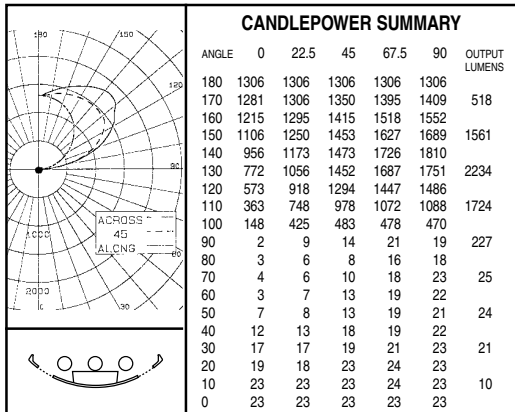
LUMINANCE SUMMARY (fL)			
ANGLE	0°	45°	90°
45°	4	5	5
55°	2	4	6
65°	5	4	9
75°	7	8	15
85°	11	11	17



P-S/I-5424T8-LP/ELB 75.7 % Efficiency																								
Litecontrol Certified Test Report #27121000																								
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	50	30	10	50	30	10	
RCC	0	.72	.72	.72	.72	.62	.62	.62	.62	.43	.43	.43	.25	.25	.25	.09	.09	.09	.01					
1	.66	.63	.60	.58	.56	.54	.52	.49	.37	.36	.35	.22	.21	.21	.08	.08	.07	.01						
2	.60	.55	.50	.47	.51	.47	.43	.40	.32	.30	.28	.19	.18	.17	.07	.06	.06	.01						
3	.55	.48	.43	.39	.47	.41	.37	.34	.29	.26	.24	.17	.16	.14	.06	.06	.05	.01						
4	.50	.42	.37	.33	.42	.36	.32	.28	.25	.22	.20	.15	.13	.12	.05	.05	.04	.01						
5	.45	.37	.32	.28	.39	.32	.28	.24	.22	.19	.17	.13	.12	.10	.05	.04	.04	.01						
6	.42	.33	.28	.24	.36	.29	.24	.21	.20	.17	.15	.12	.10	.09	.04	.04	.03	.00						
7	.38	.30	.24	.20	.33	.26	.21	.18	.18	.15	.13	.11	.09	.08	.04	.03	.03	.00						
8	.35	.27	.21	.18	.30	.23	.19	.15	.16	.13	.11	.10	.08	.07	.03	.03	.02	.00						
9	.33	.24	.19	.15	.28	.21	.16	.13	.15	.12	.10	.09	.07	.06	.03	.03	.02	.00						
10	.30	.22	.17	.14	.26	.19	.15	.12	.13	.10	.08	.08	.06	.05	.03	.02	.02	.00						
Floor Cavity Reflectance .20																								

ZONAL LUMEN SUMMARY			
ZONE	LUMENS	% LAMP	% LUMINAIRE
180-90°	4308	74.28	98.14
90-0°	81	1.41	1.86
180-0°	4389	75.69	100.00

LUMINANCE SUMMARY (fL)			
ANGLE	0°	45°	90°
45°	14	17	24
55°	8	18	28
65°	9	19	35
75°	11	25	47
85°	33	32	65

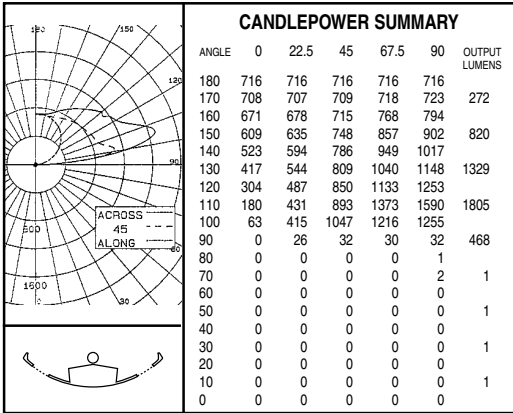


P-S/I-5434T8-LP/ELB 72.8 % Efficiency																								
Litecontrol Certified Test Report #27131000																								
RCC	80				70				50				30				10				0			
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	
RCC	0	.70	.70	.70	.70	.60	.60	.60	.60	.41	.41	.41	.24	.24	.24	.08	.08	.08	.01					
1	.63	.60	.58	.55	.54	.52	.50	.47	.36	.34	.33	.21	.20	.20	.07	.07	.07	.01						
2	.57	.52	.48	.45	.49	.45	.42	.39	.31	.29	.27	.18	.17	.16	.06	.06	.06	.01						
3	.52	.46	.41	.37	.45	.40	.36	.33	.27	.25	.23	.16	.15	.14	.06	.05	.05	.01						
4	.48	.41	.35	.31	.41	.35	.31	.27	.24	.21	.19	.14	.13	.12	.05	.05	.04	.00						
5	.44	.35	.30	.27	.37	.31	.26	.23	.21	.19	.16	.13	.11	.10	.04	.04	.04	.00						
6	.40	.32	.27	.23	.34	.28	.23	.20	.19	.16	.14	.11	.10	.09	.04	.03	.03	.00						
7	.37	.29	.23	.19	.31	.25	.20	.17	.17	.14	.12	.10	.09	.07	.04	.03	.03	.00						
8	.34	.26	.20	.17	.29	.22	.18	.15	.15	.13	.11	.09	.08	.06	.03	.03	.02	.00						
9	.31	.23	.18	.15	.27	.20	.16	.13	.14	.11	.09	.08	.07	.06	.03	.02	.02	.00						
10	.29	.21	.16	.13	.25	.18	.14	.11	.13	.10	.08	.08	.06	.05	.03	.02	.02	.00						
Floor Cavity Reflectance .20																								

ZONAL LUMEN SUMMARY			
ZONE	LUMENS	% LAMP	% LUMINAIRE
180-90°	6248	71.82	98.64
90-0°	86	.99	1.36
180-0°	6334	72.81	100.00

LUMINANCE SUMMARY (fL)			
ANGLE	0°	45°	90°
45°	11	17	25
55°	10	19	31
65°	7	24	39
75°	11	27	49
85°	33	26	65

Photometric data T5HO lamps

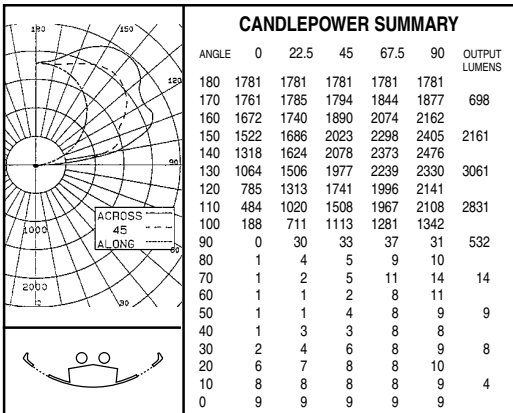


		P-S/I-5414T5HO-LP/ELB					93.8% Efficiency				
		Litecontrol Certified Test Report #27116000									
RCC	80	70		50		30		10		0	
RW	70 50 30 10	70 50 30 10	50 30 10	50 30 10	50 30 10	50 30 10	50 30 10	50 30 10	50 30 10	0	
RCC	0	.89 .89 .89 .89	.76 .76 .76 .76	.52 .52 .52	.30 .30 .30	.10 .10 .10	.00				
1		.81 .77 .74 .71	.69 .66 .64 .60	.45 .44 .42	.26 .25 .25	.08 .08 .08	.00				
2		.74 .67 .62 .58	.63 .58 .53 .50	.40 .37 .35	.23 .22 .20	.07 .07 .07	.00				
3		.67 .59 .53 .48	.57 .51 .46 .42	.35 .32 .29	.20 .19 .17	.07 .06 .06	.00				
4		.61 .52 .45 .40	.52 .45 .39 .35	.31 .27 .25	.18 .16 .15	.06 .05 .05	.00				
5		.56 .45 .39 .34	.48 .40 .34 .30	.27 .24 .21	.16 .14 .12	.05 .05 .04	.00				
6		.51 .41 .34 .29	.44 .35 .30 .25	.24 .21 .18	.14 .12 .11	.05 .04 .04	.00				
7		.47 .37 .30 .25	.40 .32 .26 .22	.22 .18 .15	.13 .11 .09	.04 .04 .03	.00				
8		.44 .33 .26 .22	.37 .28 .23 .19	.20 .16 .13	.12 .09 .08	.04 .03 .03	.00				
9		.40 .30 .23 .19	.34 .26 .20 .17	.18 .14 .12	.10 .08 .07	.03 .03 .02	.00				
10		.37 .27 .21 .17	.32 .23 .18 .15	.16 .13 .10	.10 .08 .06	.03 .02 .02	.00				

Floor Cavity Reflectance .20

ZONAL LUMEN SUMMARY			
ZONE	LUMENS	% LAMP	% LUMINAIRE
180-90°	4681	93.64	99.84
90-0°	7	.15	.16
180-0°	4689	93.78	100.00

LUMINANCE SUMMARY (fL)			
ANGLE	0°	45°	90°
45°	0	0	0
55°	0	0	0
65°	0	0	3
75°	0	0	4
85°	0	0	0

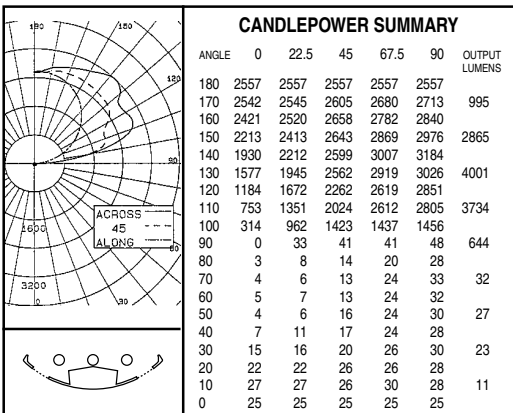


		P-S/I-5424T5HO-LP/ELB					93.1% Efficiency				
		Litecontrol Certified Test Report #27126000									
RCC	80	70		50		30		10		0	
RW	70 50 30 10	70 50 30 10	50 30 10	50 30 10	50 30 10	50 30 10	50 30 10	50 30 10	50 30 10	0	
RCC	0	.89 .89 .89 .89	.76 .76 .76 .76	.52 .52 .52	.30 .30 .30	.10 .10 .10	.00				
1		.81 .77 .74 .71	.69 .66 .63 .60	.45 .44 .42	.26 .25 .25	.09 .08 .08	.00				
2		.73 .67 .62 .57	.62 .57 .53 .49	.39 .37 .35	.23 .21 .20	.07 .07 .07	.00				
3		.67 .59 .53 .48	.57 .50 .45 .41	.35 .32 .29	.20 .19 .17	.07 .06 .06	.00				
4		.61 .52 .45 .40	.52 .45 .39 .35	.31 .27 .25	.18 .16 .15	.06 .05 .05	.00				
5		.56 .45 .39 .34	.47 .39 .34 .29	.27 .24 .21	.16 .14 .12	.05 .05 .04	.00				
6		.51 .41 .34 .29	.43 .35 .29 .25	.24 .21 .18	.14 .12 .11	.05 .04 .04	.00				
7		.47 .36 .30 .25	.40 .31 .26 .22	.22 .18 .15	.13 .11 .09	.04 .04 .03	.00				
8		.43 .33 .26 .22	.37 .28 .23 .19	.20 .16 .13	.12 .09 .08	.04 .03 .03	.00				
9		.40 .30 .23 .19	.34 .25 .20 .16	.18 .14 .12	.10 .08 .07	.03 .03 .02	.00				
10		.37 .27 .21 .17	.32 .23 .18 .14	.16 .13 .10	.09 .08 .06	.03 .02 .02	.00				

Floor Cavity Reflectance .20

ZONAL LUMEN SUMMARY			
ZONE	LUMENS	% LAMP	% LUMINAIRE
180-90°	9266	92.66	99.55
90-0°	41	.42	.45
180-0°	9307	93.08	100.00

LUMINANCE SUMMARY (fL)			
ANGLE	0°	45°	90°
45°	2	5	16
55°	2	8	21
65°	3	11	32
75°	5	34	55
85°	0	28	81

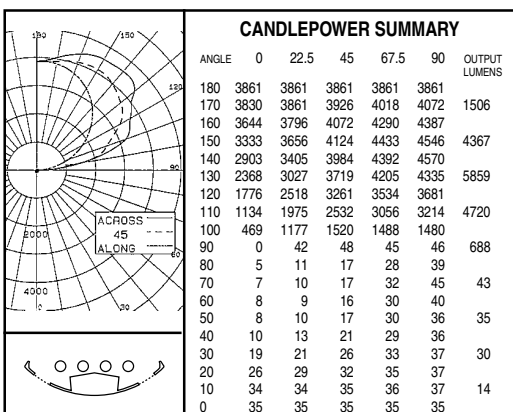


		P-S/I-5434T5HO-LP/ELB					82.2% Efficiency				
		Litecontrol Certified Test Report #27136000									
RCC	80	70		50		30		10		0	
RW	70 50 30 10	70 50 30 10	50 30 10	50 30 10	50 30 10	50 30 10	50 30 10	50 30 10	50 30 10	0	
RCC	0	.78 .78 .78 .78	.67 .67 .67 .67	.46 .46 .46	.27 .27 .27	.09 .09 .09	.01				
1		.71 .68 .65 .62	.61 .58 .56 .53	.40 .39 .37	.23 .23 .22	.08 .08 .07	.01				
2		.65 .59 .54 .50	.55 .51 .47 .44	.35 .33 .31	.20 .19 .18	.07 .06 .06	.00				
3		.59 .52 .47 .42	.50 .45 .40 .37	.31 .28 .26	.18 .17 .15	.06 .06 .05	.00				
4		.54 .46 .40 .35	.46 .39 .34 .31	.27 .24 .22	.16 .14 .13	.05 .05 .04	.00				
5		.49 .40 .34 .30	.42 .35 .30 .26	.24 .21 .18	.14 .12 .11	.05 .04 .04	.00				
6		.45 .36 .30 .26	.38 .31 .26 .22	.22 .18 .16	.13 .11 .10	.04 .04 .03	.00				
7		.41 .32 .26 .22	.35 .28 .23 .19	.19 .16 .14	.11 .10 .08	.04 .03 .03	.00				
8		.38 .29 .23 .19	.33 .25 .20 .17	.17 .14 .12	.10 .08 .07	.03 .03 .02	.00				
9		.35 .26 .20 .17	.30 .22 .18 .14	.16 .13 .10	.09 .08 .06	.03 .03 .02	.00				
10		.33 .24 .18 .15	.28 .20 .16 .13	.14 .11 .09	.08 .07 .06	.03 .02 .02	.00				

Floor Cavity Reflectance .20

ZONAL LUMEN SUMMARY			
ZONE	LUMENS	% LAMP	% LUMINAIRE
180-90°	12213	81.42	99.11
90-0°	109	.73	.89
180-0°	12322	82.15	100.00

LUMINANCE SUMMARY (fL)			
ANGLE	0°	45°	90°
45°	9	28	48
55°	9	30	62
65°	12	33	88
75°	20	55	130
85°	30	93	193



		P-S/I-5444T5HO-LP/ELB					86.3% Efficiency				
		Litecontrol Certified Test Report #271460									