

Mod™

P-S/I-0200

Pendant-Mounted Semi-Indirect

Product Description

Small-scale semi-indirect extruded aluminum luminaire with 2' long baffle openings spaced 12" from fixture ends. UL Listed. Cradle to Cradle Certified.™

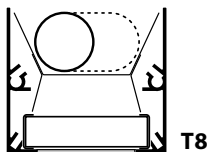
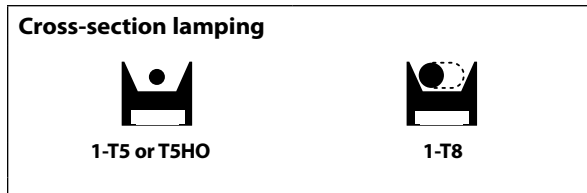
CS™ Control Solutions available

Ordering Guide

Product, lamping, & length					
P -	S/I -	02	2	8	T5HO-
Mounting	Distribution	Series	Lamp Count	Nominal Length (ft)	Lamp Type
P Pendant-mounted	S/I Semi-indirect	02	1 → 2 → 3 →	4 8 12	T5 T5HO T8
Mounting - add to end of catalog number Aircraft cables <input type="checkbox"/> FAI/ACC (field adjustable) standard			see notes		

Options			
TCWM-	LP/ELB-	F-	120
Finishes	Ballasts	Other Options	Volts
CMA (color machined aluminum) TCWM (textured matte white) are standard see LiteColors™ for other finishes	ELB10 is std. for T8 LP/ELB is std. for T5 & T5HO DA/MK7 DL/ECO DO/HEL LPD/CS/e see Ballast Options	F LP/EF see Other options	120 277
notes: Lamp count = total number of lamps in the fixture For ordering guide information in shaded areas, choose selection by reading ACROSS the shaded areas for correct specifications.			

P-S/I-0228T5HO-TCWM-LP/ELB-F-120-FAI/ACC is a typical catalog number for a 2-lamp (1 lamp in cross-section), 8-foot long high output T5 semi-indirect fixture with standard blade white baffle, textured matte white finish, with a electronic T5HO ballast, fuse, 120 volt, mounted with field adjustable aircraft cables.



Finishes

TCWM Textured Matte White paint.

CMA Clear Machined Aluminum. Specially formulated powdercoat paint that reliably and uniformly mimics the appearance of machined/sandblasted aluminum.

For *LiteColors* or other finish choices, consult the Product Guide or litecontrol.com.

Ballast Options **CS_e**

Specify in place of **ELB10** or **LP/ELB**, contact factory for availability:

DA/MK7 Advance Mark VII dimming ballast

DL/ECO Lutron ECO-10 dimming ballast

DO/HEL Osram Sylvania dimming ballast

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.

Other Options

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, clear anodized, *LiteColor*, or special color?
4. Ballast options? 5. Controls solutions? 6. Other options? 7. 120 or 277 volt?



Specifications

- HOUSING.** One-piece extruded aluminum. Standard finishes include Textured Matte White (**TCWM**) paint or Color Machined Aluminum (**CMA**).
- BAFFLE.** Fixtures are supplied with a steel blade baffle, painted white (**BW**) 1/2" high and 1/2" OC. The baffles are placed on a 1 11/16" wide by 23 7/8" long opening, beginning 12" from the end of the fixture. The 8-foot fixture has two openings spaced 2' apart, and the 12-foot fixture has three openings spaced 2' apart.
- END CAPS.** Required at each end of row and at both ends of an individual fixture. Either painted steel or Color Machined Aluminum (**CMA**) with no holes or knockouts, finished to match housing.
- REFLECTOR.** Die-formed steel with high-reflectance white finish.
- LAMPING.** Available in one-lamp T8, T5, or T5HO. T8 lamp is diagonally positioned along length to clear suspension hardware at fixture ends for "on-module" suspension, and provide symmetrical light distribution.
- 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, 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.
- CONTROLS.** Available as an EcoSystem enabled fixture with factory installed daylight sensors. See Ballast and Control options for details.
- 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.
- BALLAST DISCONNECT.** Fixture supplied with a ballast disconnect device to enable compliance with the NEC.
- ROW JOINING.** Support points are centered above the midpoint of joint "on seam" for aligned, symmetrical appearance. Fixture end headers are threaded in one location to allow easy row joining.
- 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^{CM} Silver by MBDC.
Note: Litecontrol reserves the right to change specifications without notice for product development and improvement.

Planning for installation

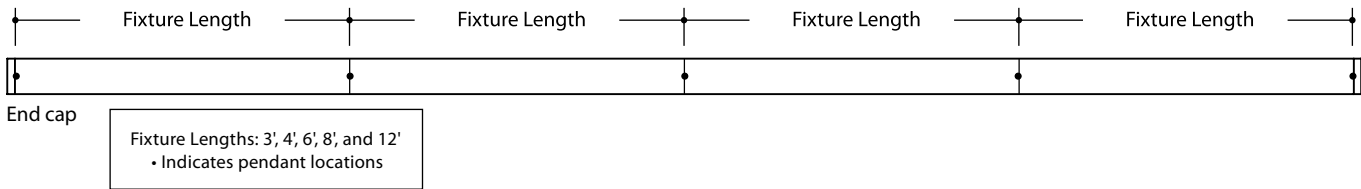
Suspension Assemblies

Provided with 3/64" diameter field adjustable aircraft cables (FAI/ACC) in 51" lengths (4' nominal). Longer length aircraft cables of 87" and 219" are available upon request. See Aircraft Cables sheets for further details.

Suspension mounting locations

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

Row diagram



Cradle to Cradle Certified^{CM} is a certification mark of MBDC.

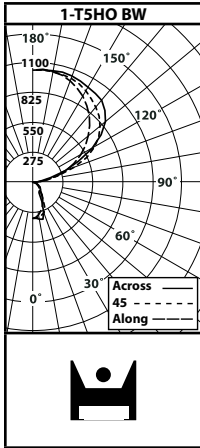
LITECONTROL

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Photometric data T5HO and T8



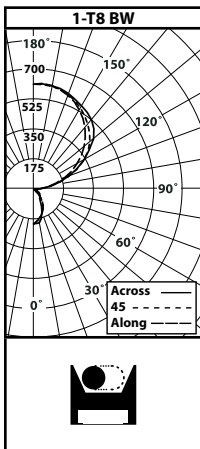
CANDLEPOWER SUMMARY					
ANGLE	0	22.5	45	67.5	90
180	1027	1027	1027	1027	1027
175	1041	1033	1032	1033	1035
165	1017	1012	1023	1041	1046
155	953	960	996	1022	1024
145	859	885	933	978	995
135	734	777	855	918	932
125	583	648	735	767	763
115	416	506	542	488	458
105	234	309	239	189	166
95	51	52	38	35	33
90	2	5	4	3	3
85	2	6	5	4	4
75	18	22	22	26	28
65	37	41	40	47	51
55	58	65	63	71	78
45	84	93	82	92	98
35	142	166	134	91	97
25	210	230	249	212	192
15	273	284	308	335	350
5	319	324	326	330	331
0	329	329	329	329	329

P-SI-0214T5HO-BW 89 % Efficiency																		
Litecontrol Certified Test Report P-SI-0214T5HO-BW.IES																		
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	87	87	87	87	76	76	76	76	56	56	56	37	37	37	19	19	11	
1	80	76	73	70	70	67	64	62	49	47	46	32	31	31	17	17	10	
2	73	67	62	57	63	58	54	51	43	40	38	29	27	26	15	15	8	
3	66	59	53	48	58	51	47	43	38	35	32	25	24	22	14	13	7	
4	61	52	45	40	53	46	40	36	34	30	27	23	21	19	12	11	7	
5	56	46	40	35	48	41	35	31	30	26	24	20	18	16	11	10	6	
6	51	41	35	30	45	36	31	27	27	23	21	18	16	14	10	9	5	
7	47	37	31	26	41	33	27	23	25	21	18	17	14	13	9	8	5	
8	44	34	27	23	38	30	24	21	22	19	16	15	13	11	9	8	4	
9	41	31	24	20	35	27	22	18	20	17	14	14	12	10	8	7	4	
10	38	28	22	18	33	25	20	16	19	15	13	13	11	9	8	6	4	

Floor Cavity Reflectance .20

ZONAL LUMEN SUMMARY			
ZONE	LUMENS	% LAMP	% LUMINAIRE
180-90°	3501	78	87
90-0°	505	11	13
180-0°	4006	89	100

LUMINANCE SUMMARY (cd/sq.m)			
ANGLE	0°	45°	90°
45	4258	4157	4968
55	3625	3937	4875
65	3138	3393	4326
75	2493	3047	3878
85	823	2056	1645



CANDLEPOWER SUMMARY					
ANGLE	0	22.5	45	67.5	90
180	614	614	614	614	614
175	621	616	615	616	617
165	602	600	604	610	609
155	564	564	572	581	579
145	506	512	523	541	548
135	429	440	465	493	500
125	341	357	390	399	397
115	244	269	280	277	277
105	137	159	154	155	156
95	34	41	45	45	46
90	2	4	5	5	5
85	4	5	5	5	4
75	13	14	14	15	17
65	23	25	25	27	29
55	35	38	38	41	44
45	49	54	51	54	55
35	85	91	79	66	62
25	128	135	127	116	112
15	166	170	178	177	176
5	195	195	197	199	200
0	201	201	201	201	201

P-SI-0214T8-BW 79.2 % Efficiency																		
Litecontrol Certified Test Report P-SI-0214T8-BW.IES																		
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	78	78	78	78	68	68	68	68	50	50	50	33	33	33	17	17	10	
1	71	68	65	62	62	59	57	55	44	42	41	29	28	27	16	15	9	
2	65	59	55	51	56	52	48	45	38	36	34	26	24	23	14	13	8	
3	59	52	47	43	51	46	41	38	34	31	29	23	21	20	12	12	7	
4	54	46	40	36	47	41	36	32	30	27	24	20	18	17	11	10	6	
5	50	41	35	31	43	36	31	27	27	24	21	18	16	15	10	9	5	
6	46	37	31	27	40	32	27	24	24	21	18	16	14	13	9	8	5	
7	42	33	27	23	37	29	24	21	22	18	16	15	13	11	8	8	4	
8	39	30	24	20	34	26	22	18	20	17	14	14	12	10	8	7	4	
9	36	27	22	18	32	24	19	16	18	15	13	13	10	9	7	6	4	
10	34	25	20	16	29	22	17	14	17	13	11	12	10	8	7	6	3	

Floor Cavity Reflectance .20

ZONAL LUMEN SUMMARY			
ZONE	LUMENS	% LAMP	% LUMINAIRE
180-90°	2001	69	87
90-0°	297	10	13
180-0°	2298	79	100

LUMINANCE SUMMARY (cd/sq.m)			
ANGLE	0°	45°	90°
45	2484	2585	2788
55	2187	2375	2750
65	1951	2120	2460
75	1800	1939	2354
85	1645	2056	1645