

Mod™
P-ID-0200
Pendant-Mounted Indirect/Direct

Product Description

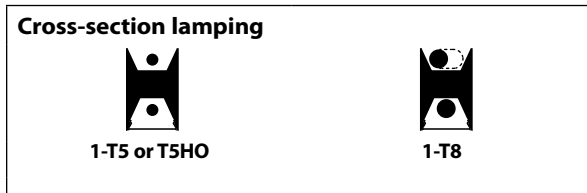
Small-scale indirect/direct extruded aluminum luminaire with separate up and downlight chambers. UL Listed. Cradle to Cradle Certified.™

CS™ Control Solutions available

Ordering Guide

Product, Lamping, & Length						Options									
P -	ID -	02	Upper Lamp			Lower Lamp			SGL-	TCWM-	LP/ELB	--	1CWQ-	F	120
			Lamp Count	Nominal Length (ft)	Lamp Type	Lamp Count	Nominal Length (ft)	Lamp Type							
P Pendant-mounted	ID Indirect/ Direct	02	1 →	3	T5 T5HO T8	1 →	3	T5 T5HO T8	Baffle or Diffuser BW SGL see Baffle and Diffuser Options	Finishes CMA (color machined aluminum) TCWM (textured matte white) are std. see LiteColors™ for other finishes	Ballasts ELB10 is std. for T8 LP/ELB is std. for T5 & T5HO DA/MK7 DL/ECO DO/HEL LPD/CS/e see Ballast Options	-- →	1CWQ	Other Options F LP/EF see Other options	Volts 120 277
			1 →	4		1 →	4								
			2 →	6		2 →	6								
			2 →	8		2 →	8								
			3 →	12		3 →	12								
Mounting - add to end of catalog number Aircraft cables <input type="checkbox"/> FAI/ACC (field adjustable) standard			see notes			see notes			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-ID-0228T5HO/28T5HO-SGL-TCWM-LP/ELB-1CWQ-F-120-FAI/ACC is a typical catalog number for a 2-lamp indirect (1 lamp in cross-section) / 2-lamp direct (1 lamp in cross-section), 8-foot long high output T5 indirect/direct fixture with soft glow lens, textured matte white finish, with a low-profile electronic T5HO ballast, one-circuit branch wiring and quick-connects, fuse, 120 volt, mounted with field adjustable aircraft cables.



Baffle and Diffuser Options

- BW** Blade Baffle, White. 5/16" high and 1/2" OC, aluminum, flush to bottom of fixture housing.
- SGL** Soft Glow Lens. Extruded, frosted acrylic, flush to bottom of fixture housing.

Finishes

- TCWM** Textured Matte White paint.
- CMA** Color 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 **CS¹_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:

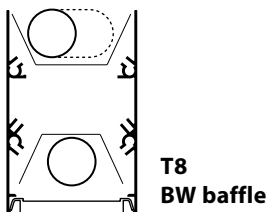
LPD/CS/e EcoSystem low-profile dimming electronic ballasts installed at the factory, along with all required internal EcoSystem wiring. For other configurations of the Lutron EcoSystem components, including custom device connection feeds to enable connection to ceiling-mounted sensors and control devices,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

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. The fixture is wired so that the indirect and direct lamps are switched separately.

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

- Row information, including desired fixture lengths?
- Lamp type? 3. White baffle or soft glow lens? 4. White, clear anodized, *LiteColor*, or special color?
- Ballast options? 6. Controls solutions? 7. Other options? 8. 120 or 277 volt?



Specifications

HOUSING. Two-piece extruded aluminum. Standard finishes include Textured Matte White (**TCWM**) paint or Color Machined Aluminum (**CMA**).

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 upper 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 (**ELB10** for T8 lampping) or Low-profile Electronic Ballast (**LP/ELB** for T5 or T5HO lampping), 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. 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. See Pre-wiring Information online for details.

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 without removing reflectors.

SUSPENSION Yoke with field adjustable aircraft cable attaches directly to the end header. Mounting points in rows are exactly "on module" at 36", 48", 72", 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

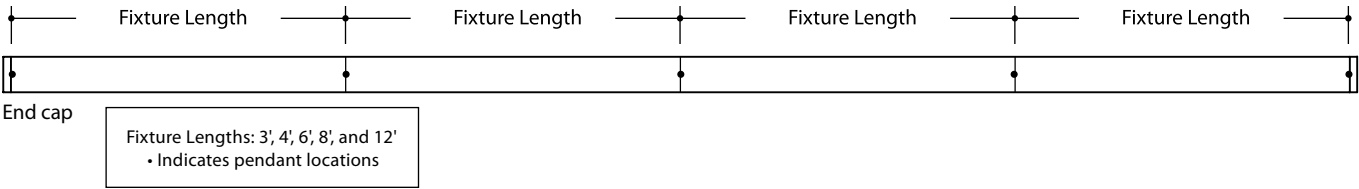
Suspension Assemblies

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 36", 48", 72", 96", and 144", including at ends of rows.

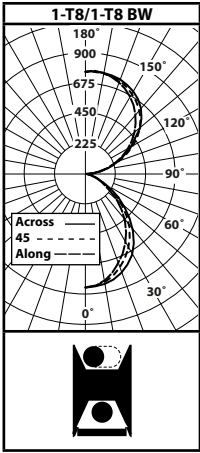
Row diagram



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



Photometric data T8

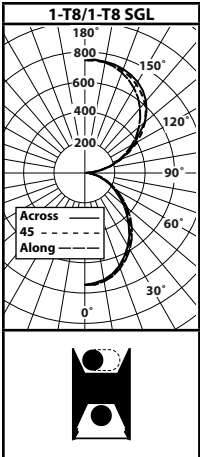


CANDLEPOWER SUMMARY					
ANGLE	0	22.5	45	67.5	90
180	749	749	749	749	749
175	757	752	752	755	755
165	734	733	740	749	748
155	686	691	706	720	721
145	614	627	649	669	671
135	520	543	572	584	582
125	413	443	462	456	435
115	295	331	323	312	307
105	169	187	176	173	173
95	46	49	52	53	55
90	6	9	10	12	12
85	21	18	16	16	15
75	69	68	64	64	60
65	125	140	140	145	146
55	231	263	271	281	296
45	380	406	427	442	460
35	520	539	566	600	619
25	646	657	684	713	730
15	751	754	772	792	798
5	824	817	821	826	823
0	828	828	828	828	828

P-ID-0214T8/14T8-BW 72% Efficiency																										
Litecontrol Certified Test Report # P-ID-0214T814T8-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	50	30	10	0					
RCR																										
0	76	76	76	76	69	69	69	69	57	57	57	46	46	46	35	35	35	30								
1	69	67	64	62	63	61	59	57	50	49	47	41	40	39	32	31	31	26								
2	64	59	54	51	58	54	50	47	45	42	40	36	34	33	28	27	26	23								
3	58	52	47	43	53	48	43	40	40	36	34	32	30	28	25	24	23	20								
4	53	46	41	36	49	42	38	34	35	32	29	29	26	24	23	21	20	17								
5	49	41	35	31	45	38	33	29	32	28	25	26	23	21	21	19	17	15								
6	45	37	31	27	41	34	29	26	29	25	22	24	21	19	19	17	16	13								
7	42	33	28	24	38	31	26	23	26	22	20	22	19	17	17	15	14	12								
8	39	30	25	21	36	28	23	20	24	20	17	20	17	15	16	14	13	11								
9	36	28	22	19	33	26	21	18	22	18	16	18	15	14	15	13	11	10								
10	34	25	20	17	31	24	19	16	20	17	14	17	14	12	14	12	10	9								
Floor Cavity Reflectance .20																										

ZONAL LUMEN SUMMARY			
ZONE	LUMENS	% LAMP	% LUMINAIRE
180-90°	2406	42	58
90-0°	1769	31	42
180-0°	4174	72	100

LUMINANCE SUMMARY (cd/sq.m)			
ANGLE	0°	45°	90°
45°	6880	7731	8328
55°	5156	6049	6607
65°	3787	4241	4423
75°	3413	3166	2968
85°	3085	2350	2203



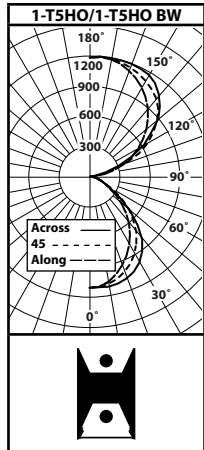
CANDLEPOWER SUMMARY					
ANGLE	0	22.5	45	67.5	90
180	753	753	753	753	753
175	761	756	755	758	758
165	738	738	745	753	752
155	689	695	711	725	725
145	617	632	655	672	673
135	522	547	574	585	583
125	415	447	462	457	431
115	296	330	323	314	309
105	169	186	176	175	173
95	45	50	53	54	55
90	7	12	13	14	15
85	35	32	28	26	25
75	111	109	103	98	96
65	203	203	194	186	182
55	311	311	300	290	282
45	429	427	416	405	397
35	545	541	532	523	515
25	644	639	634	629	621
15	715	708	708	708	701
5	752	744	743	744	740
0	750	750	750	750	750

P-ID-0214T8/14T8-SGL 73.1% Efficiency																										
Litecontrol Certified Test Report # P-ID-0214T814T8-SGL.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	50	30	10	0					
RCR																										
0	77	77	77	77	70	70	70	70	58	58	58	47	47	47	36	36	36	31								
1	70	67	64	62	64	62	59	57	51	49	48	41	40	39	32	31	31	27								
2	64	59	54	51	58	54	50	47	45	42	40	36	34	33	28	27	26	22								
3	59	52	46	42	53	47	43	39	40	36	33	32	30	28	25	24	22	19								
4	54	46	40	36	49	42	37	33	35	31	29	29	26	24	23	21	19	16								
5	49	41	35	31	45	38	33	29	31	28	25	26	23	21	20	18	17	14								
6	45	37	31	27	41	34	29	25	28	24	22	23	20	18	19	16	15	13								
7	42	33	27	23	38	31	25	22	26	22	19	21	18	16	17	15	13	11								
8	39	30	24	21	35	28	23	19	23	20	17	19	16	14	16	13	12	10								
9	36	27	22	18	33	25	21	17	21	18	15	18	15	13	14	12	11	9								
10	34	25	20	16	31	23	19	16	20	16	14	16	14	12	13	11	10	8								
Floor Cavity Reflectance .20																										

ZONAL LUMEN SUMMARY			
ZONE	LUMENS	% LAMP	% LUMINAIRE
180-90°	2416	42	57
90-0°	1822	31	43
180-0°	4238	73	100

LUMINANCE SUMMARY (cd/sq.m)			
ANGLE	0°	45°	90°
45°	7767	7532	7188
55°	6941	6696	6294
65°	6149	5877	5513
75°	5490	5095	4749
85°	5141	4113	3672

Photometric data T5HO



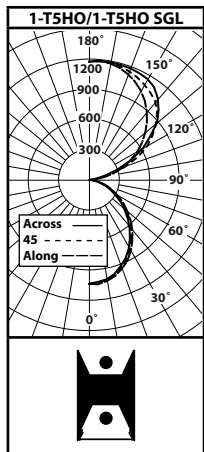
CANDLEPOWER SUMMARY					
ANGLE	0	22.5	45	67.5	90
180	1179	1179	1179	1179	1179
175	1196	1186	1187	1189	1192
165	1160	1157	1175	1193	1194
155	1081	1093	1132	1172	1182
145	967	995	1067	1124	1133
135	819	872	963	987	988
125	648	730	776	781	741
115	461	554	545	484	456
105	258	315	234	182	163
95	62	50	39	35	33
90	4	7	6	6	6
85	23	22	22	21	19
75	94	93	89	88	78
65	172	196	192	178	176
55	316	368	398	378	372
45	514	568	618	660	675
35	701	744	810	876	908
25	868	894	954	1016	1040
15	1007	1013	1051	1087	1097
5	1098	1090	1096	1103	1100
0	1103	1103	1103	1103	1103

P-ID-0214T5HO/14T5HO-BW 69.9% Efficiency																		
Litecontrol Certified Test Report # P-ID-0214T5HO14T5HO-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	0
RCR																		
0	73	73	73	73	66	66	66	66	54	54	54	43	43	43	32	32	32	27
1	67	64	62	59	61	58	56	54	48	46	45	38	37	36	29	28	28	24
2	61	56	52	49	56	51	48	45	42	40	38	34	32	31	26	25	24	20
3	56	50	45	41	51	45	41	38	37	34	32	30	28	26	23	22	21	18
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5	47	39	34	30	43	36	31	28	30	27	24	24	22	20	19	17	16	14
6	44	35	30	26	40	33	28	24	27	24	21	22	19	17	17	16	14	12
7	40	32	27	23	37	29	25	21	25	21	18	20	17	16	16	14	13	11
8	37	29	24	20	34	27	22	19	22	19	16	18	16	14	15	13	11	10
9	35	27	21	18	32	24	20	17	21	17	15	17	14	12	13	12	10	9
10	32	24	19	16	30	22	18	15	19	16	13	16	13	11	12	11	9	8

Floor Cavity Reflectance .20

ZONAL LUMEN SUMMARY			
ZONE	LUMENS	% LAMP	% LUMINAIRE
180-90°	3827	43	61
90-0°	2459	27	39
180-0°	6287	70	100

LUMINANCE SUMMARY (cd/sq.m)			
ANGLE	0°	45°	90°
45°	9306	11189	12221
55°	7053	8883	8303
65°	5210	5816	5331
75°	4650	4402	3858
85°	3378	3232	2791



CANDLEPOWER SUMMARY					
ANGLE	0	22.5	45	67.5	90
180	1172	1172	1172	1172	1172
175	1190	1181	1180	1181	1183
165	1155	1151	1168	1184	1185
155	1077	1088	1126	1163	1172
145	964	994	1061	1116	1125
135	816	870	959	979	979
125	645	732	772	776	736
115	456	553	538	478	452
105	256	312	230	179	162
95	61	48	40	37	36
90	3	7	5	6	6
85	41	38	35	30	29
75	145	146	138	129	126
65	275	274	264	251	244
55	427	427	413	397	387
45	591	589	576	557	546
35	752	747	735	723	711
25	892	881	876	869	858
15	989	977	978	976	969
5	1040	1026	1023	1024	1017
0	1031	1031	1031	1031	1031

P-ID-0214T5HO/14T5HO-SGL 70% Efficiency																		
Litecontrol Certified Test Report # P-ID-0214T5HO14T5HO-SGL.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	0
RCR																		
0	73	73	73	73	67	67	67	67	54	54	54	43	43	43	33	33	33	28
1	67	64	61	59	61	58	56	54	48	46	45	38	37	36	29	28	28	23
2	61	56	52	48	55	51	47	44	42	39	37	33	32	30	26	24	23	20
3	56	49	44	40	50	45	41	37	37	34	31	30	27	26	23	21	20	17
4	51	44	38	34	46	40	35	32	33	29	27	26	24	22	20	19	17	15
5	47	39	33	29	42	36	31	27	29	26	23	24	21	19	18	17	15	13
6	43	35	29	25	39	32	27	24	27	23	20	21	19	17	17	15	13	11
7	40	31	26	22	36	29	24	21	24	20	18	20	17	15	15	13	12	10
8	37	28	23	20	34	26	22	18	22	18	16	18	15	13	14	12	11	9
9	34	26	21	17	31	24	19	16	20	17	14	16	14	12	13	11	10	8
10	32	24	19	16	29	22	18	15	18	15	13	15	13	11	12	10	9	7

Floor Cavity Reflectance .20

ZONAL LUMEN SUMMARY			
ZONE	LUMENS	% LAMP	% LUMINAIRE
180-90°	3804	42	60
90-0°	2494	28	40
180-0°	6299	70	100

LUMINANCE SUMMARY (cd/sq.m)			
ANGLE	0°	45°	90°
45°	10700	10428	9885
55°	9531	9218	8638
65°	8330	7997	7391
75°	7172	6826	6232
85°	6022	5141	4260