

Mod™ P-D-0200 Pendant-Mounted Direct

Product Description

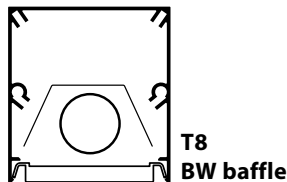
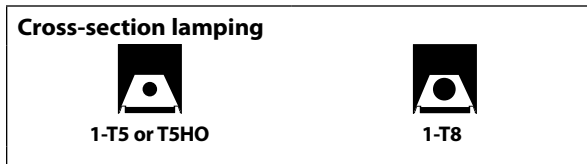
Small-scale direct extruded aluminum luminaire. UL Listed. Cradle to Cradle Certified^{CM}

CS™ Control Solutions available

Ordering Guide

Product, Lamping, & Length						Options														
P -	D -	02	2	8	T5HO	BW-	TCWM-	LP-ELB-	F-	120										
Mounting	Distribution	Series	Lamp Count	Nominal Length (ft)	Lamp Type	Baffle or Diffuser	Finishes	Ballasts	Other Options	Volts										
P Pendant-mounted	D Direct	02	<table border="1"> <tr><td>1 →</td><td>3</td></tr> <tr><td>1 →</td><td>4</td></tr> <tr><td>2 →</td><td>6</td></tr> <tr><td>2 →</td><td>8</td></tr> <tr><td>3 →</td><td>12</td></tr> </table>	1 →	3	1 →	4	2 →	6	2 →	8	3 →	12		T5 T5HO T8	BW SGL see Baffle and Diffuser Options	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
1 →	3																			
1 →	4																			
2 →	6																			
2 →	8																			
3 →	12																			
Mounting - add to end of catalog number Aircraft cables <input type="checkbox"/> FAI/ACC (field adjustable) standard			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-D-0228T5HO-BW-TCWM-LP/ELB-F-120-FAI/ACC is a typical catalog number for a 2-lamp (1 lamp in cross-section), 8-foot long direct high-output T5 fixture with a blade white baffle, textured matte white finish, with a low-profile electronic ballast, fuse, 120 volts, 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 **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

- 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?

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Specifications

- HOUSING.** One-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.
- BALLAST.** Electronic Ballast (**ELB10** 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. 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.** Fixture end headers are threaded in two locations to allow easy row joining.
- SUSPENSION.** Fixture is pendant-mounted using Litecontrol's standard suspension system.
- 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

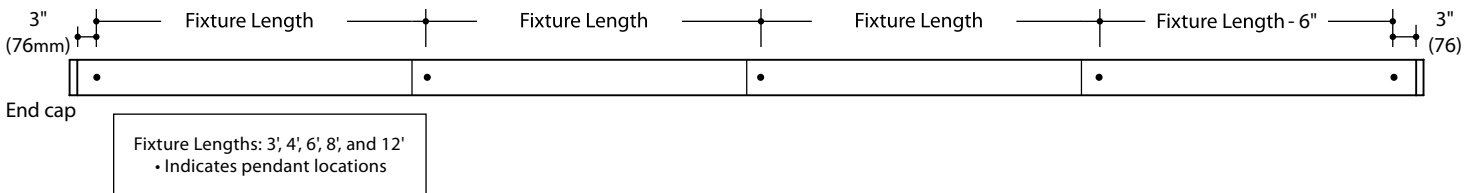
Suspension Assemblies

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

Pendant locations at ends of rows (or individual fixtures) are 3" from fixture end. Pendant locations for in-row joints may be at either mounting point of two adjoining fixtures.

Row diagram



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

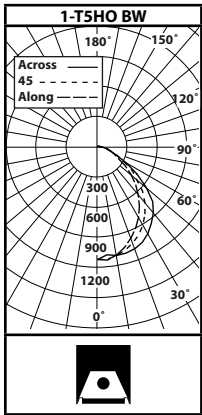
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LITECONTROL

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Photometric data T5HO and T8



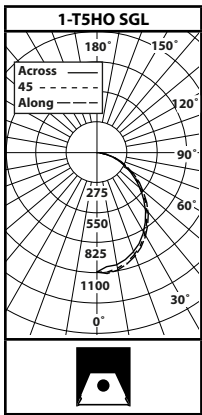
CANDLEPOWER SUMMARY					
ANGLE	0	22.5	45	67.5	90
90	1	2	0	1	0
85	24	23	22	23	21
80	59	56	55	57	57
75	98	96	93	96	90
70	139	146	140	142	139
65	181	191	210	212	204
60	235	268	312	321	326
55	332	373	428	449	476
50	435	476	501	587	629
45	536	574	631	696	775
40	631	665	731	768	861
35	725	750	821	838	933
30	813	829	901	960	999
25	895	904	968	1022	1051
20	968	971	1021	1070	1082
15	1036	1033	1066	1101	1097
10	1093	1083	1100	1119	1099
5	1132	1118	1123	1130	1080
0	1123	1123	1123	1123	1123

P-D-0214T5HO-BW 56.7 % Efficiency																										
Litecontrol Certified Test Report P-D-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	50	30	10	50	30	10	0		
RCR																										
0	68	68	68	68	66	66	66	66	63	63	63	60	60	60	58	58	58	57	57	57	57	57	57	57		
1	62	60	58	56	61	59	57	55	56	55	53	54	53	52	52	51	50	49	49	49	49	49	49	49		
2	57	53	50	47	56	52	49	46	50	48	45	48	46	44	47	45	43	42	42	42	42	42	42	42		
3	53	47	43	40	51	46	43	39	45	41	39	43	40	38	42	39	37	36	36	36	36	36	36	36		
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5	45	38	33	30	44	38	33	30	36	32	29	35	32	29	34	31	29	28	28	28	28	28	28	28		
6	42	35	30	26	41	34	30	26	33	29	26	32	29	26	31	28	26	25	25	25	25	25	25	25		
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10	32	25	20	17	31	24	20	17	24	20	17	23	20	17	23	20	17	16	16	16	16	16	16	16		

Floor Cavity Reflectance .20

ZONAL LUMEN SUMMARY			
ZONE	LUMENS	% LAMP	% LUMINAIRE
180-90°	0	0	0
90-0°	2553	57	100
180-0°	2553	57	100

LUMINANCE SUMMARY (cd/sq.m)			
ANGLE	0°	45°	90°
45°	9704	11424	14031
55°	7410	9553	10624
65°	5483	6361	6180
75°	4847	4600	4452
85°	3525	3232	3085



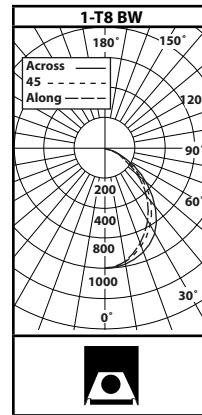
CANDLEPOWER SUMMARY					
ANGLE	0	22.5	45	67.5	90
90	1	1	1	1	1
85	44	43	38	36	35
80	96	98	93	90	87
75	161	159	153	148	144
70	230	228	220	214	208
65	302	298	289	282	275
60	379	375	364	357	349
55	461	455	442	435	429
50	543	535	504	517	510
45	627	619	612	597	592
40	712	699	695	663	674
35	790	777	772	737	753
30	863	850	845	842	825
25	927	914	911	908	890
20	980	968	965	963	940
15	1025	1011	1010	1010	981
10	1058	1043	1042	1043	1010
5	1076	1062	1061	1062	1013
0	1059	1059	1059	1059	1059

P-D-0214T5HO-SGL 58.8 % Efficiency																										
Litecontrol Certified Test Report P-D-0214T5HO-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	50	30	10	0		
RCR																										
0	70	70	70	70	68	68	68	68	65	65	65	63	63	63	60	60	60	59	59	59	59	59	59	59		
1	64	61	59	57	63	60	58	56	58	56	54	55	54	52	53	52	51	50	50	50	50	50	50	50		
2	59	54	50	47	57	53	49	46	51	48	45	49	46	44	47	45	43	42	42	42	42	42	42	42		
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4	49	42	37	33	48	42	37	33	40	36	33	39	35	32	37	34	32	31	31	31	31	31	31	31		
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10	32	24	20	17	31	24	20	17	23	19	17	23	19	16	22	19	16	15	15	15	15	15	15	15		

Floor Cavity Reflectance .20

ZONAL LUMEN SUMMARY			
ZONE	LUMENS	% LAMP	% LUMINAIRE
180-90°	0	0	0
90-0°	2646	59	100
180-0°	2646	59	100

LUMINANCE SUMMARY (cd/sq.m)			
ANGLE	0°	45°	90°
45°	11352	11080	10718
55°	10289	9865	9575
65°	9148	8755	8330
75°	7964	7568	7123
85°	6463	5582	5141



CANDLEPOWER SUMMARY					
ANGLE	0	22.5	45	67.5	90
90	1	1	1	1	1
85	16	15	15	15	14
80	39	37	37	38	38
75	65	61	61	64	58
70	92	94	90	98	96
65	120	128	131	145	152
60	156	177	189	204	218
55	223	243	255	271	289
50	294	309	327	343	363
45	363	373	400	418	439
40	428	435	467	493	512
35	490	495	526	562	584
30	550	553	582	618	641
25	606	607	632	663	683
20	657	656	675	702	716
15	703	700	714	733	740
10	742	736	746	757	760
5	768	761	765	772	770
0	774	774	774	774	774

P-D-0214T8-BW 57.2 % Efficiency																										
Litecontrol Certified Test Report P-D-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	50	30	10	50	30	10	0		
RCR																										
0	68	68	68	68	66	66	66	66	64	64	64	61	61	61	58	58	58	57	57	57	57	57	57	57		
1	63	61	58	56	61	59	57	56	57	55	54	55	53	52	53	52	51	49	49	49	49	49	49	49		
2	58	54	50	47	56	53	49	47	51	48	46	49	47	45	47	45	44	42	42	42	42	42	42	42		
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10	32	25	21	18	32	25	21	18	24	20	18	24	20	18	23	20	18	17	17	17	17	17	17	17		

Floor Cavity Reflectance .20

ZONAL LUMEN SUMMARY			
ZONE	LUMENS	% LAMP	% LUMINAIRE
180-90°	0	0	0
90-0°	1657	57	100
180-0°	1657	57	100

LUMINANCE SUMMARY (cd/sq.m)			
ANGLE	0°	45°	90°
45°	6572	7242	7948
55°	4977	5692	6450
65°	3635	3968	4604
75°	3215	3017	