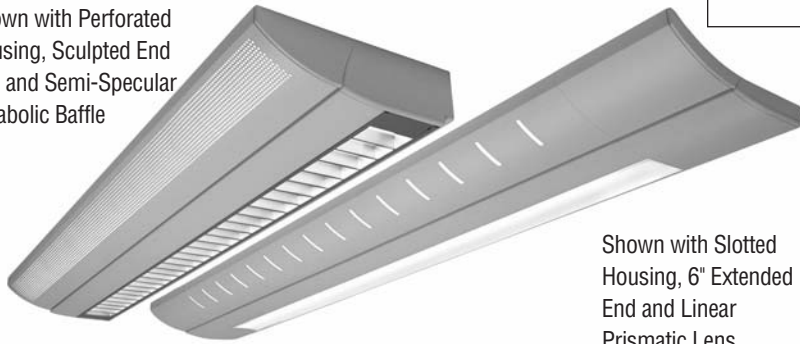


Luminata II Series™

Catalog Number	Type
Project Name	

Shown with Perforated Housing, Sculpted End Cap and Semi-Specular Parabolic Baffle



Shown with Slotted Housing, 6" Extended End and Linear Prismatic Lens

LMPI/D03

9 1/2" x 2 7/8" Indirect/Direct (T8, T5 or T5HO Lamps)

S P E C I F I C A T I O N S

Housing

- (PH) Perforated Housing - Two-piece .070" thick extruded aluminum with perforated hole pattern along front side. Perforations to be .125" on .185" staggered centers and backed with a translucent white acrylic diffuser.
- (SL) Slotted Housing - Two-piece .070" thick extruded aluminum with slotted hole pattern along front side. Slots to be 1/4" wide by 1 7/8" long on 3" centers and backed with a translucent white acrylic diffuser.
- (SH) Solid Housing - Two-piece .070" thick extruded aluminum.

End Caps

- (SE) Sculpted End - .125" thick die-cast aluminum finished to match fixture housing and secured with no visible fasteners.
- (XE) Extended End - 6" extension of extruded aluminum housing finished to match fixture housing and secured with no visible fasteners.

Finish

Standard and premium finishes are baked powder coat electrostatically applied (2.0 mil minimum thickness) to assure aesthetics and durability.

Direct Optical Controls

- (PB) 3/4" deep semi-specular aluminum parabolic baffle with blades on 1 1/2" centers.
- (PBW) 3/4" deep white aluminum parabolic baffle with blades on 1 1/2" centers.
- (LP) Clear extruded 100% DR acrylic linear prismatic lens.
- (DLP) Directional clear extruded 100% DR acrylic linear prismatic wall wash lens.

- (TWA) Translucent white extruded 100% DR acrylic lens

Reflectors

- Indirect - Die-formed from .020" thick aluminum and finished with a high reflectance white enamel.
- Direct for PB, PBW, LP and TWA Optical Controls - Die-formed from .020" thick aluminum and finished with a high reflectance white enamel.
- Direct for DLP Optical Control - Die-formed from .020" thick high reflectance specular aluminum.

Ballast

Standard ballasts for T5 and T5HO lamps are UL/CUL listed, Class P, HPF, electronic, universal 120/277volt, programmed rapid start with <10% THD.

Standard ballasts for T8 lamps are UL/CUL listed, Class P, HPF, electronic, universal 120/277volt, instant start with <10% THD.

Circuitry

All fixtures are factory pre-wired for a single circuit. Provision for multiple switching/circuiting is optional.

Wiring

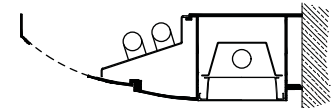
All fixtures intended for continuous rows are provided with factory installed quick-connect wiring.

Controls

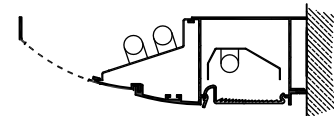
Contact factory for daylight and/or occupancy sensor controls.

Certification

All fixtures are UL/CUL listed for use in "Dry Applications". "Damp Location" is optional.



LMPI/D03



LMPI/D03-DLP (N/A for T8)

Standard Lengths:

4', 8' and 12'

For Continuous Rows see Note below

Mounting
W = Wall

Series
LMPI/D03

End Caps
SE Sculpted End
XE Extended End

LMPI/D03-PH-SE-12-W-PB-FO1M-V-T5HO-□

Housing Style

PH Perforated
SH Solid
SL Slotted

Direct Optical Controls

PB Semi-Specular Parabolic Baffle
PBW White Parabolic Baffle
LP Linear Prismatic Lens
DLP Directional Linear Prismatic WWLens (N/A for T8 Lamps)
TWA Translucent White Acrylic Lens

Standard Finishes

FO1M Matte White
FO1G Gloss White
Premium Finishes
F02 Ivory
F03 Stonewash
F04 Camel
F05 Gray Day
F06 Pebble Beach
F07 Steel
F08 Gray Seal
F09 Mocha
F10 Bronzed
F11 Black
F12 Ultrasonic Clear
F13 Merlot
F14 Red Skies
F15 Lemon
F16 Forest Hunter
F17 Olive
F18 Khaki
F19 Heather Green
F20 Blue Print
F21 Reflex Blue
F22 Navy
FCC Custom Color

Voltage

120
277
347

Lamp Type

T5
T5HO
T8 (N/A with DLP)

Options

SS-U/L (Upper/Lower) Lamp Row Switching (Common Neutral Utilized)
NLCKT Separate Night Light Circuit
EMCKT Separate Emergency Circuit
EBPL Emergency Battery Pack (635-700 Lumens)
EBPH Emergency Battery Pack (975-1325 Lumens)

Dim

Dimming
FS Fused Ballasts
GTD Generator Transfer Device
DC Clear Extruded 100% DR Acrylic Dust Cover
AO White Acrylic Baffle Overlay
PS4 4 Position Pull Chain Switch (120v)

Note: For continuous rows over 12' specify nominal row length in 1' increments.



Precision Architectural Lighting 4830 Timber Creek Drive Houston, Texas 77017

Tel 713.946.4343 Fax 713.946.4441 www.pal-lighting.com

LMPI/D03

Indirect/Direct

T8 Lamp

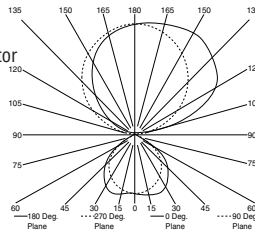
Catalog Number: LMPI/D03-PH-SE-4-W-PB-F01M-120-T8/T8

Report Number: LTL#07743.ies

Luminaire Description: Extruded Aluminum Housing with White Enamel Aluminum Reflector and Semi-Specular Aluminum Baffle Open Top

Lamps: Three Philips F32T8/TL841 Rated at 2850 Lumens Each

Total Luminaire Efficiency = 71.0%
70% Up 30% Down



T5H0 Lamp

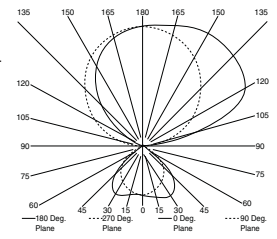
Catalog Number: LMPI/D03-PH-SE-4-W-PB-F01M-120-T5H0/T5H0

Report Number: LTL#07745.ies

Luminaire Description: Extruded Aluminum Housing with White Enamel Aluminum Reflector and Semi-Specular Aluminum Baffle Open Top

Lamps: Three Sylvania FP54/830/H0 Rated at 4400 Lumens Each

Total Luminaire Efficiency = 73.6%
76% Up 24% Down



CANDELA DISTRIBUTION

	LUMENS									
	0.0	22.5	45.0	67.5	90.0	112.5	135.0	157.5	180.0	
0	742	742	742	742	742	742	742	742	742	
5	741	743	745	738	734	741	746	743	744	71
15	782	767	743	713	700	714	735	758	772	209
25	782	762	726	667	638	663	718	748	769	328
35	689	674	655	600	554	596	643	643	662	393
45	559	532	520	496	443	488	497	498	522	387
55	375	358	339	334	303	323	310	316	329	290
65	81	108	108	69	54	60	83	73	48	88
75	36	35	27	20	16	12	11	9	9	20
85	21	20	13	10	2	3	3	3	3	9
90	11	9	6	3	1	2	1	1	0	
95	101	119	132	129	56	35	52	52	59	93
105	530	551	551	478	265	163	135	136	143	346
115	969	978	902	712	502	385	315	283	285	579
125	1245	1195	1074	906	723	625	529	481	477	716
135	1352	1317	1223	1048	920	851	763	701	697	758
145	1431	1392	1306	1173	1085	1036	977	925	921	710
155	1431	1404	1344	1271	1217	1178	1153	1116	1119	575
165	1411	1394	1373	1337	1305	1285	1267	1255	1264	373
175	1380	1374	1375	1362	1354	1345	1337	1331	1334	129
180	1359	1359	1359	1359	1359	1359	1359	1359	1359	

CANDELA DISTRIBUTION

	LUMENS									
	0.0	22.5	45.0	67.5	90.0	112.5	135.0	157.5	180.0	
0	919	919	919	919	919	919	919	919	919	
5	926	927	929	924	914	916	922	919	916	88
15	980	963	930	896	870	885	912	938	948	261
25	1065	1021	932	845	800	832	909	988	1023	425
35	1026	993	912	775	696	755	877	941	974	543
45	792	776	766	675	569	657	718	713	725	538
55	329	370	449	470	384	444	394	298	255	345
65	95	111	127	99	71	76	81	59	42	96
75	47	47	39	31	21	16	15	15	11	32
85	29	25	23	15	8	8	8	6	1	17
90	21	17	10	7	5	4	3	2	2	
95	122	146	176	281	108	64	101	102	113	163
105	1082	1156	1211	960	474	252	153	189	204	665
115	2042	1982	1707	1279	860	649	435	303	281	1036
125	2308	2200	1912	1570	1219	1066	846	699	673	1232
135	2396	2304	2103	1777	1535	1439	1268	1134	1116	1286
145	2450	2383	2215	1953	1800	1740	1644	1542	1532	1195
155	2429	2368	2247	2097	2013	1967	1937	1881	1880	962
165	2353	2322	2269	2198	2157	2127	2117	2105	2112	619
175	2280	2269	2264	2244	2234	2216	2215	2209	2212	213
180	2242	2242	2242	2242	2242	2242	2242	2242	2242	

COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC	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
0	73	73	73	73	65	65	65	65	51	51	51	38	38	38	27	27	27	21									
1	67	64	61	59	60	58	55	54	45	44	43	34	34	33	24	24	23	19									
2	61	57	53	49	55	51	48	45	41	38	36	31	30	28	22	21	21	17									
3	56	50	45	42	50	45	41	38	36	33	31	28	26	25	20	19	18	15									
4	51	44	39	35	46	40	36	33	32	29	27	25	23	21	18	17	16	13									
5	47	40	34	30	42	36	31	28	29	26	23	22	20	18	16	15	14	11									
6	43	35	30	26	39	32	28	24	26	23	20	20	18	16	15	13	12	10									
7	40	32	26	23	36	29	24	21	23	20	18	18	16	14	13	12	11	9									
8	37	29	23	20	33	26	21	18	21	18	15	16	14	12	12	10	9	8									
9	34	26	21	17	31	23	19	16	19	16	13	15	12	11	11	9	8	6									
10	32	23	18	15	28	21	17	14	17	14	12	13	11	9	10	8	7	6									

COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC	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
0	74	74	74	74	66	66	66	66	51	51	51	37	37	37	24	24	24	18									
1	68	65	63	60	61	58	56	54	45	44	42	33	32	31	22	21	21	16									
2	62	58	53	50	55	51	48	45	40	38	36	29	28	27	20	19	18	14									
3	57	51	46	42	51	46	42	38	36	33	31	26	25	23	18	17	16	12									
4	52	45	40	36	47	41	36	33	32	29	26	24	22	20	16	15	14	11									
5	48	40	35	31	43	36	31	28	28	25	23	21	19	17	15	13	12	10									
6	44	36	30	26	39	32	28	24	25	22	20	19	17	15	13	12	11	8									
7	41	32	27	23	36	29	24	21	23	20	17	17	15	13	12	11	10	7									
8	37	29	24	20	33	26	21	18	21	17	15	15	13	12	11	9	8	6									
9	35	26	21	17	31	23	19	16	19	15	13	14	12	10	10	8	7	5									
10	32	24	19	15	29	21	17	14	17	14	11	13	10	9	9	7	6	5									

