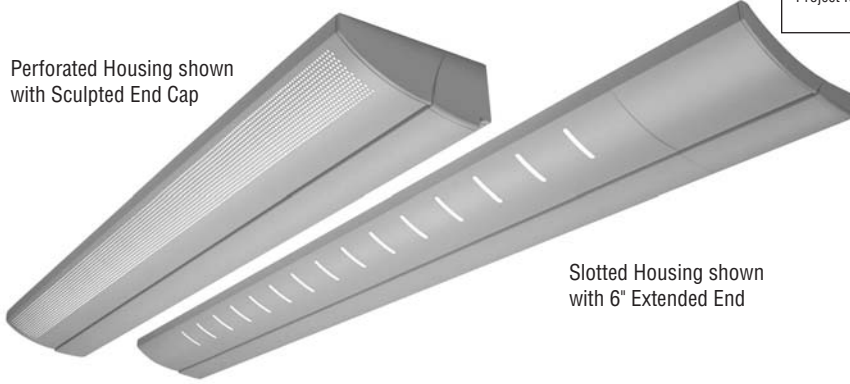


Luminata Series™

Perforated Housing shown with Sculpted End Cap



Slotted Housing shown with 6" Extended End

Catalog Number	Type
Project Name	

LMP02

6 1/2" x 2 7/8" Indirect
(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 - .090" thick die-cast aluminum finished to match fixture housing and secured with no visible fasteners.
- (XE) Extended End - 6" extension of extruded aluminum housing with a .125" low profile die cast end cap 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.

Reflectors

- (WR) Die-formed from .020" thick aluminum and finished with a high reflectance white enamel.

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

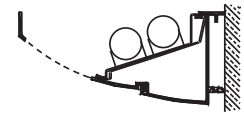
All fixtures intended for continuous rows are provided with factory installed quick-connect wiring.

Controls

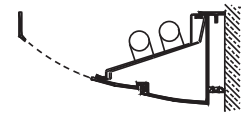
Contact factory for daylight and/or occupancy sensor controls.

Certification

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



T8



T5 or T5HO

Standard Lengths:
4', 8' and 12'

For Continuous Rows
see Note below

Mounting

W = Wall

Series
LMP02

LMP02-PH-XE-WR-12-W-FO1M-V-T8-[]

Housing Style	End Caps	Reflector	Standard Finishes	Voltage	Lamp Type	Options
PH Perforated	SE Sculpted End	WR White	F01M Matte White F01G 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	120 277 347	T8 T5 T5HO	SS-L/R (Left/Right) 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)
SH Solid	XE 6" Extended End		F13 Merlot F14 Red Skies F15 Lamon F16 Forest Hunter F17 Olive F18 Khaki F19 Heather Green F20 Blue Print F21 Reflex Blue F22 Navy FCC Custom Color			Dim Dimming FS Fused Ballasts GTD Generator Transfer Device DC Clear Extruded 100% DR Acrylic Dust Cover
SL Slotted						

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

To view Wood Grain, Marble and Granite Finishes on our Website see "Products"-"Specialty Finishes".



Precision Architectural Lighting 4830 Timber Creek Drive Houston, Texas 77017
Tel 713.946.4343 Fax 713.946.4441 www.pal-lighting.com

LMP02

6 1/2" x 2 7/8" Indirect/Perforated Side Panel

T8 Lamp

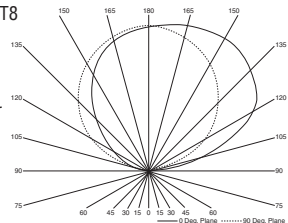
Catalog Number: LMP02-PH-SE-WR-4-X-F01-120-T8

Report Number: LTL#06294.ies

Luminaire Description: Extruded Aluminum Housing with Cast Aluminum End Caps White Enamel Aluminum Reflector Open Top

Lamps: Two Philips F32T8/TL841 Rated at 2850 Lumens

Total Luminaire Efficiency = 77.3%
97% Up 3% Down



T5HO Lamp

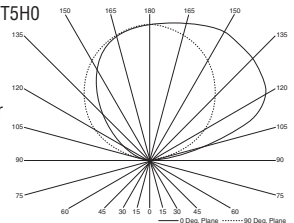
Catalog Number: LMP02-PH-SE-WR-4-X-F01-120-T5HO

Report Number: LTL#06292.ies

Luminaire Description: Extruded Aluminum Housing with Cast Aluminum End Caps White Enamel Aluminum Reflector Open Top

Lamps: Two Sylvania FP54/830/HO Rated at 4400 Lumens

Total Luminaire Efficiency = 86.0%
97% Up 3% Down



CANDELA DISTRIBUTION										LUMENS										
	0.0	22.5	45.0	67.5	90.0	112.5	135.0	157.5	180.0		0.0	22.5	45.0	67.5	90.0	112.5	135.0	157.5	180.0	
0	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44
5	42	44	45	43	43	44	43	42	41	4	42	44	45	43	43	44	43	42	41	4
15	53	54	52	46	45	43	38	36	38	12	53	54	52	46	45	43	38	36	38	12
25	55	53	52	46	40	36	34	27	28	19	55	53	52	46	40	36	34	27	28	19
35	53	55	46	43	36	29	26	17	18	22	53	55	46	43	36	29	26	17	18	22
45	52	47	45	36	27	21	17	10	10	23	52	47	45	36	27	21	17	10	10	23
55	45	45	36	28	19	16	8	7	3	21	45	45	36	28	19	16	8	7	3	21
65	35	36	28	19	14	9	4	1	0	16	35	36	28	19	14	9	4	1	0	16
75	27	26	19	13	10	4	0	0	0	10	27	26	19	13	10	4	0	0	0	10
85	20	19	12	10	3	0	0	0	0	7	20	19	12	10	3	0	0	0	0	7
90	11	10	7	3	1	0	0	0	0	0	11	10	7	3	1	0	0	0	0	0
95	101	120	133	129	56	36	53	52	60	93	101	120	133	129	56	36	53	52	60	93
105	530	550	500	477	263	162	134	135	143	345	530	550	500	477	263	162	134	135	143	345
115	968	977	901	710	500	384	313	282	284	578	968	977	901	710	500	384	313	282	284	578
125	1245	1194	1073	905	722	624	528	480	477	715	1245	1194	1073	905	722	624	528	480	477	715
135	1352	1317	1222	1048	920	850	762	701	696	758	1352	1317	1222	1048	920	850	762	701	696	758
145	1431	1391	1305	1172	1085	1035	976	924	920	709	1431	1391	1305	1172	1085	1035	976	924	920	709
155	1431	1403	1343	1269	1215	1176	1152	1115	1117	575	1431	1403	1343	1269	1215	1176	1152	1115	1117	575
165	1410	1393	1371	1335	1303	1284	1266	1254	1263	372	1410	1393	1371	1335	1303	1284	1266	1254	1263	372
175	1379	1372	1373	1359	1352	1343	1335	1329	1333	129	1379	1372	1373	1359	1352	1343	1335	1329	1333	129
180	1358	1358	1358	1358	1358	1358	1358	1358	1358	1358	1358	1358	1358	1358	1358	1358	1358	1358	1358	1358

CANDELA DISTRIBUTION										LUMENS										
	0.0	22.5	45.0	67.5	90.0	112.5	135.0	157.5	180.0		0.0	22.5	45.0	67.5	90.0	112.5	135.0	157.5	180.0	
0	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63
5	61	67	68	69	65	62	62	59	55	6	61	67	68	69	65	62	62	59	55	6
15	69	72	70	70	63	59	54	49	46	17	69	72	70	70	63	59	54	49	46	17
25	76	77	72	65	58	54	48	41	38	27	76	77	72	65	58	54	48	41	38	27
35	74	73	69	63	49	41	33	27	26	33	74	73	69	63	49	41	33	27	26	33
45	73	70	65	54	45	35	26	20	13	34	73	70	65	54	45	35	26	20	13	34
55	64	61	55	44	33	23	14	12	6	31	64	61	55	44	33	23	14	12	6	31
65	52	52	46	34	23	15	8	0	0	25	52	52	46	34	23	15	8	0	0	25
75	37	36	29	21	13	7	0	0	0	18	37	36	29	21	13	7	0	0	0	18
85	27	23	21	14	7	0	0	0	0	11	27	23	21	14	7	0	0	0	0	11
90	21	17	10	7	0	0	0	0	0	0	21	17	10	7	0	0	0	0	0	0
95	123	146	176	280	108	64	102	102	113	163	123	146	176	280	108	64	102	102	113	163
105	1082	1156	1210	959	473	251	152	189	205	665	1082	1156	1210	959	473	251	152	189	205	665
115	2042	1982	1707	1278	860	649	435	302	281	1035	2042	1982	1707	1278	860	649	435	302	281	1035
125	2308	2200	1912	1569	1219	1065	845	698	673	1231	2308	2200	1912	1569	1219	1065	845	698	673	1231
135	2396	2304	2102	1776	1535	1439	1267	1133	1116	1285	2396	2304	2102	1776	1535	1439	1267	1133	1116	1285
145	2450	2383	2215	1953	1799	1739	1643	1541	1531	1195	2450	2383	2215	1953	1799	1739	1643	1541	1531	1195
155	2429	2368	2247	2096	2012	1967	1937	1880	1880	962	2429	2368	2247	2096	2012	1967	1937	1880	1880	962
165	2353	2322	2269	2197	2156	2127	2117	2105	2113	619	2353	2322	2269	2197	2156	2127	2117	2105	2113	619
175	2280	2269	2263	2243	2233	2215	2214	2209	2213	1195	2280	2269	2263	2243	2233	2215	2214	2209	2213	1195
180	2242	2242	2242	2242	2242	2242	2242	2242	2242	2242	2242	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		
	70	50	30	10	70	50	30	10	50	30	10	50	30	10	0			
0	74	74	74	74	64	64	64	64	44	44	44	26	26	26	10	10	10	2
1	67	64	62	59	58	55	53	51	39	37	36	23	22	22	9	9	8	2
2	61	56	52	48	53	48	45	42	34	32	30	20	19	18	8	7	7	2
3	56	49	44	40	48	42	38	35	30	27	25	18	16	15	7	6	6	1
4	51	43	38	33	44	37	33	29	26	23	21	16	14	13	6	6	5	1
5	47	38	33	28	40	33	28	25	23	20	18	14	12	11	5	5	4	1
6	43	34	28	24	37	30	25	21	21	18	15	13	11	9	5	4	4	1
7	39	31	25	21	34	26	22	18	19	16	13	11	10	8	4	4	3	1
8	36	28	22	18	31	24	19	16	17	14	12	10	8	7	4	3	3	1
9	34	25	20	16	29	22	17	14	15	12	10	9	8	6	4	3	2	1
10	31	23	18	14	27	20	15	12	14	11	9	8	7	6	3	3	2	0

COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC	80			70			50			30			10			0		
	70	50	30	10	70	50	30	10	50	30	10	50	30	10	0			
0	82	82	82	82	71	71	71	71	49	49	49	29	29	29	11	11	11	2
1	75	71	68	66	64	61	59	57	43	41	40	25	25	24	9	9	9	2
2	68	62	57	53	58	54	50	46	37	35	33	22	21	20	8	8	8	2
3	62	55	49	44	53	47	42	39	33	30	27	20	18	17	7	7	6	1
4	57	48	42	37	48	42	36	32	29	26	23	17	16	14	7	6	5	1
5	52	43	36	32	44	37	31	28	26	22	20	15	14	12	6	5	5	1
6	47	38	32	27	41	33	27	24	23	20	17	14	12	10	5	5	4	1
7	44	34	28	23	37	29	24	20	21	17	15	12	10	9	5	4	3	1
8	40	31	24	20	34	26	21	18	19	15	13	11	9	8	4	4	3	1
9	37	28	22	18	32	24	19	16	17	14	11	10	8	7	4	3	3	1
10	35	25	19	16	30	22	17	14	15	12	10	9	7	6	4	3	2	0

QUICK SELECTION TABLE

Number of 4' luminaires required for initial illumination of 50 footcandles

Luminaire suspension length = 18" Working Plane Height = 30" Floor Reflectance = .20

Room HT	8				9				10				12			
	Ceil RF		Wall RF		Ceil RF		Wall RF		Ceil RF		Wall RF		Ceil RF		Wall RF	