

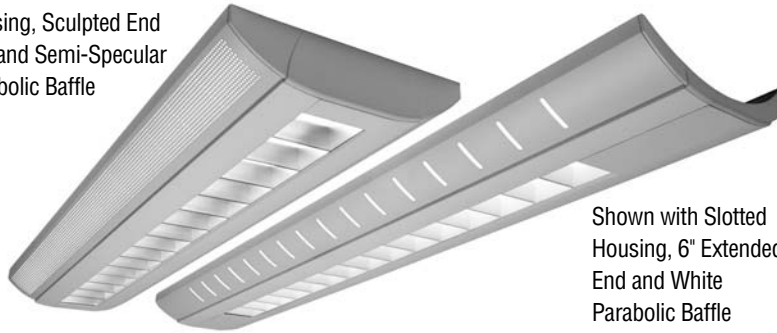
Luminata II Series™

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 White Parabolic Baffle

LMSI/D03

12" x 3" Indirect/Direct (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 on each 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 on each 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 with a .125" low profile die cast aluminum end cap 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. Standard finish for canopies is white.

Direct Optical Controls

- (PB) 1 1/4" deep semi-specular aluminum parabolic baffle with blades on 3" centers.
- (PBW) 1 1/4" deep white aluminum parabolic baffle with blades on 3" centers.
- (BWPF) 1 1/4" deep perforated white aluminum baffle with straight blades on 3" centers.

Reflectors

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.

Circuitry

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

Wiring

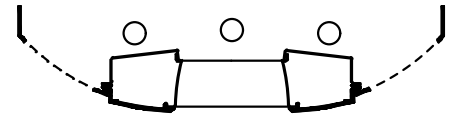
All fixtures intended for continuous rows are provided with factory installed quick-connect wiring.

Controls

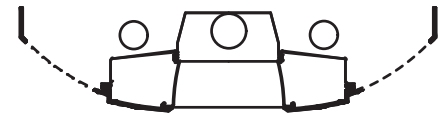
Contact factory for daylight and/or occupancy sensor controls.

Certification

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



T5 or T5HO



Shown with Optional Isolation Reflector (IR)

Standard Lengths:

4', 8' and 12'

For Continuous Rows

see Note below

Mounting

CT = Cable (15/16" Tbar) Fully Adjustable (36" Standard)

CN = Cable (Non-Tbar) Fully Adjustable (36" Standard)

LMSI/D03-PH-SE-12-CT-PB-FO1M-V-T5HO-□

Housing Style	Direct Optical Controls	Standard Finishes	Voltage	Lamp Type	Options
PH Perforated	PB Semi-Specular Parabolic Baffle	F01M Matte White Premium Finishes F01G Gloss White	120	T5	SS-I/O (Inboard/Outboard) Lamp Row Switching (Common Neutral Utilized)
SH Solid	PBW White Parabolic Baffle	F02 Ivory	277	T5HO	NLCKT Separate Night Light Circuit
SL Slotted	BWPF Perforated White Baffle	F03 Stonewash	347		EMCKT Separate Emergency Circuit
		F04 Camel			EBPL Emergency Battery Pack (635-700 Lumens)
		F05 Gray Day			EBPH Emergency Battery Pack (975-1325 Lumens)
		F06 Pebble Beach			Dim Dimming
		F07 Steel			FS Fused Ballasts
		F08 Gray Seal			GTD Generator Transfer Device
		F09 Mocha			DC Clear Acrylic Dust Cover (N/A for T5HO)
		F10 Bronzed			AO White Acrylic Baffle Overlay
		F11 Black			IR Isolation Reflector
		F12 Ultrasonic Clear			DL Damp Location

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

LMSI/D03

Indirect/Direct - T5HO Lamps

Semi-Specular Baffle - Open Top

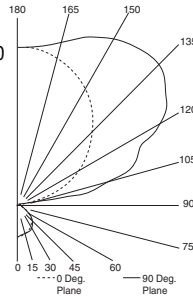
Catalog Number: LMSI/D03-PH-SE-4-C-PB-F01M-120-T5HO

Report Number: LTL#08692.ies

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

Lamps: Three Philips F54T5/841/HO Rated at 4400 Lumens Each

Total Luminaire Efficiency = 84.8%
90% Up 10% Down



CANDELA DISTRIBUTION

	LUMENS				
	0.0	22.5	45.0	67.5	90.0
0	446	446	446	446	446
5	442	443	443	437	438
15	410	412	416	424	428
25	382	382	382	397	400
35	326	333	340	353	366
45	264	263	280	291	303
55	183	196	197	213	222
65	52	67	87	104	111
75	15	21	38	51	49
85	0	16	16	31	35
90	0	15	18	21	29
95	81	330	311	236	216
105	417	934	1228	1399	1418
115	806	1354	1825	1870	1889
125	1182	1622	2212	2492	2577
135	1517	1851	2365	2725	2831
145	1800	2007	2416	2682	2782
155	2022	2106	2365	2561	2636
165	2167	2195	2273	2369	2405
175	2247	2247	2263	2264	2271
180	2253	2253	2253	2253	2253

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	0
0	83	83	83	83	72	72	72	72	52	52	52	33	33	33	16	16	16	8			
1	75	72	69	66	65	63	60	58	45	44	42	29	28	28	14	14	14	7			
2	69	63	58	54	60	55	51	48	40	37	35	26	24	23	13	12	12	6			
3	63	55	50	45	54	48	44	40	35	32	30	23	21	20	12	11	10	5			
4	57	49	43	38	50	43	38	34	31	28	25	20	18	17	10	10	9	5			
5	52	43	37	32	45	38	33	29	28	24	21	18	16	14	9	8	8	4			
6	48	39	32	28	42	34	29	25	25	21	19	16	14	13	8	7	7	4			
7	44	35	28	24	38	30	25	21	22	19	16	15	12	11	7	7	6	3			
8	41	31	25	21	35	27	22	19	20	17	14	13	11	9	7	6	5	3			
9	38	28	22	18	33	25	20	16	18	15	12	12	10	8	6	5	4	2			
10	35	26	20	16	30	22	18	14	17	13	11	11	9	7	6	5	4	2			

Semi-Specular Baffle - Isolation Reflector

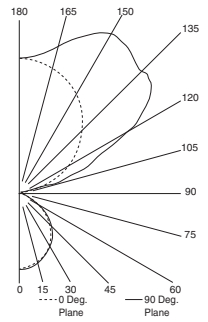
Catalog Number: LMSI/D03-PH-SE-4-C-PB-F01M-V-T5HO-IR

Report Number: LTL#08693.ies

Luminaire Description: Extruded Aluminum Housing with Specular Aluminum Reflector and Semi-Specular Aluminum Baffle with Isolation Reflector

Lamps: Three Philips F54T5/HO Rated at 4400 Lumens Each

Total Luminaire Efficiency = 66.0%
77% Up 23% Down



CANDELA DISTRIBUTION

	LUMENS				
	0.0	22.5	45.0	67.5	90.0
0	888	888	888	888	888
5	879	881	885	880	878
15	828	836	841	846	855
25	760	751	760	766	784
35	653	642	649	659	680
45	518	511	510	525	546
55	358	348	350	363	386
65	70	93	131	158	183
75	7	17	26	33	42
85	0	2	15	20	20
90	0	1	8	17	18
95	46	53	54	61	66
105	284	609	522	409	362
115	556	949	1238	1085	1025
125	806	1250	1569	1802	1832
135	1050	1411	1788	1939	2016
145	1246	1483	1881	2069	2120
155	1403	1524	1774	1968	2040
165	1505	1543	1648	1741	1779
175	1561	1564	1575	1583	1588
180	1570	1570	1570	1570	1570

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	0
0	66	66	66	66	59	59	59	59	45	45	45	32	32	32	20	20	20	15			
1	61	58	56	54	54	52	50	48	40	39	37	29	28	27	19	18	18	13			
2	56	51	48	45	49	46	43	40	35	33	32	26	24	23	17	16	16	12			
3	51	45	41	37	45	40	37	34	31	29	27	23	21	20	15	14	14	10			
4	47	40	35	32	41	36	32	29	28	25	23	21	19	17	14	13	12	9			
5	43	36	31	27	38	32	28	25	25	22	20	18	17	15	12	11	10	8			
6	39	32	27	23	35	29	24	21	22	19	17	17	15	13	11	10	9	7			
7	36	29	24	20	32	26	21	18	20	17	15	15	13	11	10	9	8	6			
8	33	26	21	18	30	23	19	16	18	15	13	13	11	10	9	8	7	5			
9	31	23	19	15	27	21	17	14	16	13	11	12	10	9	8	7	6	5			
10	29	21	17	14	25	19	15	12	15	12	10	11	9	8	7	6	5	4			

