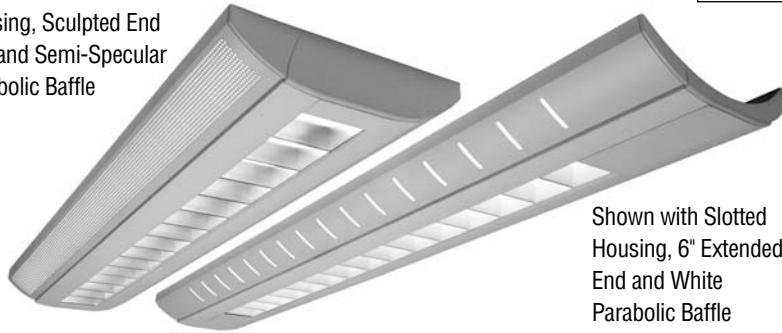


# Luminata II Series™

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 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.
- (PRBW) 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

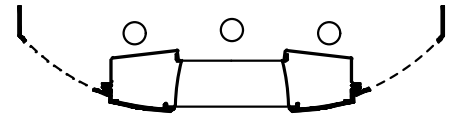
All fixtures intended for continuous rows are provided with factory installed quick-connect wiring.

#### Controls

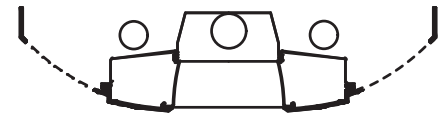
Contact factory for daylight and/or occupancy sensor controls.

#### 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'

Series  
LMSI/D03

#### End Caps

- SE  
Sculpted End
- XE  
Extended End

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
<b>PH</b> Perforated	<b>PB</b> Semi-Specular Parabolic Baffle	<b>F01M</b> Matte White <b>F01G</b> Gloss White <b>Premium Finishes</b>	120	T5	<b>SS-I/O (Inboard/Outboard)</b> Lamp Row Switching (Common Neutral Utilized)
<b>SH</b> Solid	<b>PBW</b> White Parabolic Baffle	<b>F02</b> Ivory <b>F03</b> Stonewash <b>F04</b> Camel <b>F05</b> Gray Day <b>F06</b> Pebble Beach <b>F07</b> Steel <b>F08</b> Gray Seal <b>F09</b> Mocha <b>F10</b> Bronzed <b>F11</b> Black <b>F12</b> Ultrasonic Clear	277	T5HO	<b>NLCKT</b> Separate Night Light Circuit
<b>SL</b> Slotted	<b>PRBW</b> Perforated White Baffle	<b>F13</b> Merlot <b>F14</b> Red Skies <b>F15</b> Lemon <b>F16</b> Forest Hunter <b>F17</b> Olive <b>F18</b> Khaki <b>F19</b> Heather Green <b>F20</b> Blue Print <b>F21</b> Reflex Blue <b>F22</b> Navy <b>FCC</b> Custom Color	347		<b>EMCKT</b> Separate Emergency Circuit
					<b>EBPL</b> Emergency Battery Pack (635-700 Lumens)
					<b>EBPH</b> Emergency Battery Pack (975-1325 Lumens)
					<b>Dim</b> Dimming
					<b>FS</b> Fused Ballasts
					<b>GTD</b> Generator Transfer Device
					<b>DC</b> Clear Acrylic Dust Cover (N/A for T5HO)
					<b>AO</b> White Acrylic Baffle Overlay
					<b>IR</b> Isolation Reflector

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

# LMSI/D03

## Indirect/Direct - T5HO Lamps

### Semi-Specular Baffle - Open Top

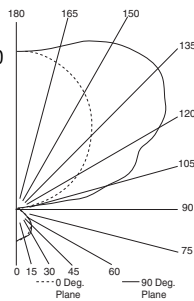
Catalog Number: LMSI/D03-PH-SE-4-C-PB-F01M-120-T5HO

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



### Semi-Specular Baffle - Isolation Reflector

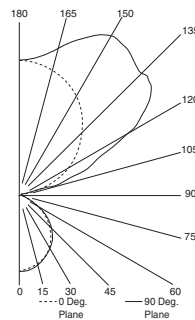
Catalog Number: LMSI/D03-PH-SE-4-C-PB-F01M-V-T5HO-IR

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

	0.0	22.5	45.0	67.5	90.0	LUMENS
0	446	446	446	446	446	
5	442	443	443	437	438	42
15	410	412	416	424	428	119
25	382	382	382	397	400	179
35	326	333	340	353	366	213
45	264	263	280	291	303	216
55	183	196	197	213	222	178
65	52	67	87	104	111	87
75	15	21	38	51	49	34
85	0	16	16	31	35	22
90	0	15	18	21	29	
95	81	330	311	236	216	333
105	417	934	1228	1399	1418	1162
115	806	1354	1825	1870	1889	1602
125	1182	1622	2212	2492	2577	1838
135	1517	1851	2365	2725	2831	1756
145	1800	2007	2416	2682	2782	1473
155	2022	2106	2365	2561	2636	1082
165	2167	2195	2273	2369	2405	648
175	2247	2247	2263	2264	2271	216
180	2253	2253	2253	2253	2253	

### CANDELA DISTRIBUTION

	0.0	22.5	45.0	67.5	90.0	LUMENS
0	888	888	888	888	888	
5	879	881	885	880	878	84
15	828	836	841	846	855	237
25	760	751	760	766	784	352
35	653	642	649	659	680	411
45	518	511	510	525	546	396
55	358	348	350	363	386	316
65	70	93	131	158	183	132
75	7	17	26	33	42	30
85	0	2	15	20	20	12
90	0	1	8	17	18	
95	46	53	54	61	66	76
105	284	609	522	409	362	490
115	556	949	1238	1085	1025	1014
125	806	1250	1569	1802	1832	1328
135	1050	1411	1788	1939	2016	1293
145	1246	1483	1881	2069	2120	1116
155	1403	1524	1774	1968	2040	808
165	1505	1543	1648	1741	1779	468
175	1561	1564	1575	1583	1588	151
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	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			

### 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			

