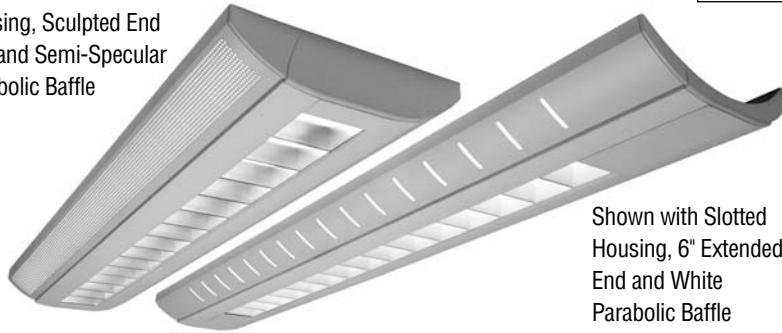


Luminata II Series™

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 (T8 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 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

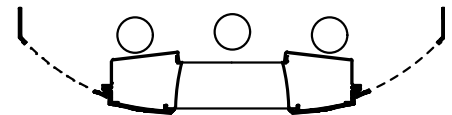
All fixtures intended for continuous rows are provided with factory installed quick-connect wiring.

Controls

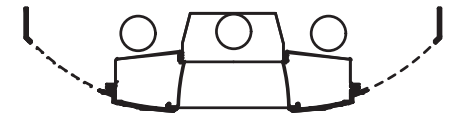
Contact factory for daylight and/or occupancy sensor controls.

Certification

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



T8



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)

Series
LMSI/D03

End Caps

- SE Sculpted End
- XE Extended End

LMSI/D03-PH-SE-12-CT-PB-FO1M-V-T8-[]

Housing Style

- PH Perforated
- SH Solid
- SL Slotted

Direct Optical Controls

- PB Semi-Specular Parabolic Baffle
- PBW White Parabolic Baffle
- PRBW Perforated White Baffle

Standard Finishes

- FO1M Matte White
- FO1G Gloss White
- Premium Finishes**
- FO2 Ivory
- FO3 Stonewash
- FO4 Camel
- FO5 Gray Day
- FO6 Pebble Beach
- FO7 Steel
- FO8 Gray Seal
- FO9 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

- T8

Options

- SS-I/O (Inboard/Outboard) 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 Acrylic Dust Cover
- AO White Acrylic Baffle Overlay
- IR 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 - T8 Lamps

Semi-Specular Baffle - Open Top

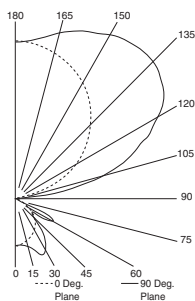
Catalog Number: LMSI/D03-PH-SE-4-C-PB-F01M-120-T8

Report Number: LTL#08684.ies

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

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

Total Luminaire Efficiency = 82.1%
84% Up 16% Down



CANDELA DISTRIBUTION

	0.0	22.5	45.0	67.5	90.0	LUMENS
0	392	392	392	392	392	
5	389	391	394	393	393	37
15	367	375	389	402	409	110
25	333	352	402	484	518	192
35	285	326	442	435	434	243
45	223	305	311	273	257	217
55	150	214	190	215	274	187
65	33	55	116	196	234	123
75	7	13	23	35	41	26
85	2	5	10	16	19	12
90	0	4	8	13	15	
95	48	183	187	175	172	187
105	255	567	709	764	768	668
115	479	781	1075	1173	1208	958
125	688	944	1261	1446	1497	1062
135	878	1081	1361	1542	1605	1010
145	1039	1186	1389	1544	1599	853
155	1166	1243	1386	1478	1515	630
165	1255	1276	1346	1403	1424	380
175	1302	1302	1309	1309	1310	125
180	1305	1305	1305	1305	1305	

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	50	30	10	50	30	10	0
0	81	81	81	81	72	72	72	72	53	53	53	36	36	36	21	21	21	13			
1	74	71	68	65	65	63	60	58	47	45	44	32	31	30	19	18	18	12			
2	68	62	58	54	59	55	51	48	41	39	37	28	27	26	17	16	15	10			
3	62	55	49	45	54	48	44	40	36	33	31	25	23	22	15	14	13	9			
4	57	48	42	38	50	43	38	34	32	29	26	22	20	19	13	12	11	8			
5	52	43	37	32	45	38	33	29	29	25	22	20	18	16	12	11	10	7			
6	47	38	32	28	42	34	29	25	26	22	19	18	16	14	11	9	9	6			
7	44	34	28	24	38	30	25	21	23	19	17	16	14	12	10	8	7	5			
8	40	31	25	21	35	27	22	19	21	17	15	14	12	10	9	7	7	4			
9	37	28	22	18	33	25	20	16	19	15	13	13	11	9	8	7	6	4			
10	35	25	20	16	30	22	18	14	17	14	11	12	10	8	7	6	5	3			

Semi-Specular Baffle - Isolation Reflector

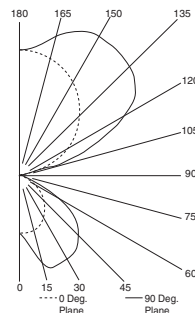
Catalog Number: LMSI/D03-PH-SE-4-C-BW-F01M-V-T8-IR

Report Number: LTL#08685.ies

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

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

Total Luminaire Efficiency = 71.2%
69% Up 31% Down



CANDELA DISTRIBUTION

	0.0	22.5	45.0	67.5	90.0	LUMENS
0	447	447	447	447	447	
5	452	460	470	476	479	46
15	441	496	598	663	680	165
25	407	542	705	744	752	296
35	344	556	656	715	740	386
45	278	490	575	630	662	417
55	207	367	429	460	477	355
65	47	96	155	206	235	151
75	8	14	24	36	41	28
85	0	5	10	15	18	11
90	0	3	7	10	13	
95	35	66	46	49	52	69
105	193	397	374	326	309	357
115	363	593	770	767	746	662
125	520	757	952	1067	1097	800
135	663	878	1057	1173	1212	781
145	784	939	1131	1213	1242	673
155	879	958	1111	1206	1239	501
165	944	965	1038	1101	1123	294
175	978	979	984	986	988	94
180	980	980	980	980	980	

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	50	30	10	50	30	10	0
0	73	73	73	73	66	66	66	66	52	52	52	39	39	39	27	27	27	22			
1	67	64	62	59	60	58	56	54	46	44	43	35	34	33	25	24	24	19			
2	61	56	52	49	55	51	48	45	41	38	36	31	30	28	22	21	21	17			
3	56	50	45	41	50	45	41	38	36	33	31	28	26	24	20	19	18	15			
4	51	44	39	35	46	40	35	32	32	29	26	25	23	21	18	17	15	13			
5	47	39	34	30	42	35	31	27	28	25	22	22	20	18	16	14	13	11			
6	43	35	29	25	38	32	27	23	25	22	19	20	17	15	14	13	11	9			
7	39	31	26	22	35	28	23	20	23	19	17	18	15	13	13	11	10	8			
8	36	28	23	19	33	25	21	17	20	17	14	16	13	11	11	10	9	7			
9	33	25	20	16	30	23	18	15	18	15	12	14	12	10	10	8	7	6			
10	31	23	18	14	28	21	16	13	17	13	11	13	10	9	9	8	6	5			

