

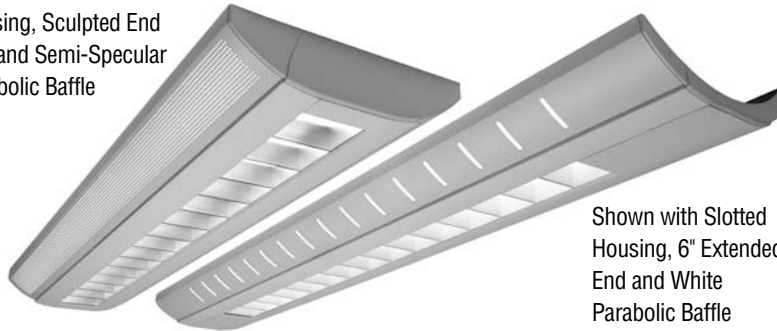
Luminata II Series™

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/D02

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 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 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

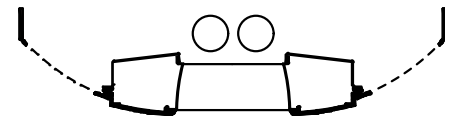
All fixtures intended for continuous rows are provided with factory installed quick-connect wiring.

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

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/D02-PH-SE-12-CT-PB-FO1M-V-T8-[]

Housing Style	Direct Optical Controls	Standard Finishes	Voltage	Lamp Type	Options
PH Perforated	PB Semi-Specular Parabolic Baffle	F01M Matte White Premium Finishes	120	T8	SS-L/R (Left/Right) Lamp Row Switching (Common Neutral Utilized)
SH Solid	PBW White Parabolic Baffle	F02 Ivory	277		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
		F10 Bronzed			AO White Acrylic Baffle Overlay
		F11 Black			DL Damp Location
		F12 Ultrasonic Clear			

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/D02

Indirect/Direct - T8 Lamps

Semi-Specular Baffle

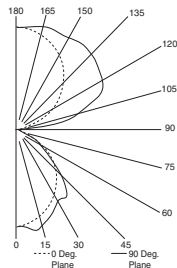
Catalog Number: LMSI/D02-PH-SE-4-C-PB-F01M-120-T8

Report Number: LTL#08681.ies

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

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

Total Luminaire Efficiency = 85.2%
66% Up 34% Down



CANDELA DISTRIBUTION

	LUMENS				
	0.0	22.5	45.0	67.5	90.0
0	722	722	722	722	722
5	714	718	724	725	729
15	676	697	744	750	753
25	615	666	672	668	673
35	529	577	568	587	619
45	423	454	477	480	484
55	283	301	272	220	186
65	48	65	74	118	154
75	5	7	11	15	17
85	1	2	3	6	5
90	1	2	3	4	5
95	26	133	151	148	145
105	135	287	442	466	495
115	265	400	553	670	715
125	392	483	634	733	772
135	506	576	687	773	802
145	605	655	723	782	808
155	683	714	760	789	802
165	737	751	774	789	797
175	767	765	771	772	773
180	766	766	766	766	766

White Enamel Baffle

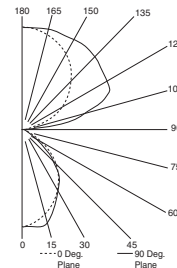
Catalog Number: LMSI/D02-PH-SE-4-C-BW-F01M-120-T8

Report Number: LTL#08682.ies

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

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

Total Luminaire Efficiency = 87.2%
68% Up 32% Down



CANDELA DISTRIBUTION

	LUMENS				
	0.0	22.5	45.0	67.5	90.0
0	767	767	767	767	767
5	755	759	766	767	770
15	697	714	755	763	764
25	609	647	645	634	637
35	502	532	503	507	527
45	384	394	383	353	342
55	255	257	224	179	184
65	121	130	123	139	138
75	59	60	63	65	66
85	15	14	13	12	12
90	0	2	3	4	4
95	32	136	150	148	144
105	162	313	479	508	530
115	308	433	584	714	764
125	437	514	659	750	785
135	554	606	713	791	816
145	652	685	746	802	826
155	728	746	780	806	818
165	781	785	803	814	818
175	808	806	809	808	808
180	809	809	809	809	809

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	88	88	88	88	79	79	79	79	63	63	63	49	49	49	35	35	35	29	29	29	29
1	81	78	75	72	73	70	68	66	57	55	53	44	43	42	32	32	31	26	26	26	26
2	74	69	64	60	67	62	59	55	51	48	46	40	38	36	29	28	28	23	23	23	23
3	68	61	56	51	62	56	51	47	45	42	39	36	33	32	27	25	24	20	20	20	20
4	63	54	48	44	57	50	44	40	40	37	34	32	30	28	24	23	21	18	18	18	18
5	58	48	42	37	52	44	39	35	36	32	29	29	26	24	22	20	19	16	16	16	16
6	53	43	37	32	48	40	34	30	33	29	26	26	23	21	20	18	17	14	14	14	14
7	49	39	33	28	44	36	30	26	29	25	22	24	21	18	18	16	15	12	12	12	12
8	45	35	29	25	41	32	27	23	26	22	19	21	18	16	16	14	13	11	11	11	11
9	42	32	26	21	38	29	24	20	24	20	17	19	16	14	15	13	11	9	9	9	9
10	39	29	23	19	35	26	21	18	22	18	15	17	14	12	13	11	10	8	8	8	8

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	90	90	90	90	81	81	81	81	64	64	64	49	49	49	35	35	35	28	28	28	28
1	82	79	76	73	74	71	69	66	57	55	53	44	43	42	31	31	30	25	25	25	25
2	75	69	65	60	68	63	59	55	50	48	45	39	37	36	28	27	26	22	22	22	22
3	69	62	56	51	62	56	51	47	45	41	39	35	33	31	26	24	23	19	19	19	19
4	63	55	48	43	57	50	44	40	40	36	33	31	29	27	23	22	20	17	17	17	17
5	58	49	42	37	52	44	39	34	36	32	29	28	25	23	21	19	18	15	15	15	15
6	54	44	37	32	48	40	34	30	32	28	25	26	23	20	19	17	16	13	13	13	13
7	49	39	33	28	45	36	30	26	29	25	22	23	20	18	17	15	14	12	12	12	12
8	46	35	29	25	41	32	27	23	26	22	19	21	18	16	16	14	12	10	10	10	10
9	42	32	26	22	38	29	24	20	24	20	17	19	16	14	14	12	11	9	9	9	9
10	39	29	23	19	35	27	21	18	22	18	15	17	14	12	13	11	10	8	8	8	8

