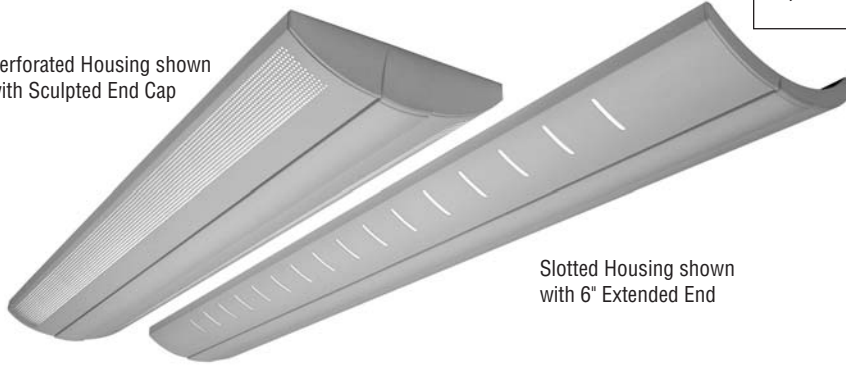


Luminata Series™

Catalog Number	Type
Project Name	

Perforated Housing shown with Sculpted End Cap



Slotted Housing shown with 6" Extended End

LMS01

10" x 2 3/4" Indirect
(T5 or T5HO Lamp)

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 - .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. Standard finish for stems and canopies is white.

Reflectors

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

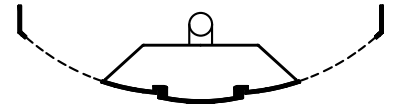
All fixtures intended for continuous rows are provided with factory installed quick-connect wiring.

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.



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)
P = Rigid Stem (Up to 48" Standard)
K = Swivel Stem (Up to 48" Standard)

Series
LMS01

LMS01-PH-XE-WR-12-CT-FO1M-V-T5HO-[]

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	120	T5	NLCKT Separate Night Light Circuit
SH Solid	XE 6" Extended End	SR Specular	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	277 347	T5HO	EMCKT Separate Emergency Circuit EBPL Emergency Battery Pack (635-700 Lumens) EBPH Emergency Battery Pack (975-1325 Lumens)
SL Slotted			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			Dim Dimming FS Fused Ballasts GTD Generator Transfer Device DC Clear Extruded 100% DR Acrylic Dust Cover

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

LMS01

10" x 2 11/16" Indirect (T5HO Lamp)

Specular Reflector

Catalog Number: LMS01-PH-SE-SR-4-X-F01-120-T5HO

Report Number: LTL#06527.ies

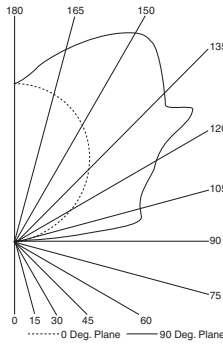
Luminaire Description: Extruded Aluminum Housing with Cast Aluminum End Caps
Specular Aluminum Reflector
Open Top

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

Total Luminaire Efficiency = 85.6%

96% Up 4% Down

RP-1 Compliant



	CANDELA DISTRIBUTION						LUMENS					
	0.0	22.5	45.0	67.5	90.0							
0	45	45	45	45	45							
5	45	45	46	46	46	4						
15	42	41	42	43	43	12						
25	39	39	40	40	41	18						
35	33	34	34	41	41	22						
45	24	27	30	35	36	22						
55	13	21	24	27	29	20						
65	9	14	18	21	23	16						
75	5	6	11	13	17	11						
85	0	4	7	8	10	7						
90	0	5	6	7	7							
95	24	169	248	227	215	195						
105	121	318	414	528	574	424						
115	245	471	590	628	650	536						
125	361	620	721	914	917	629						
135	464	704	888	919	930	619						
145	554	729	924	1036	1056	546						
155	622	733	877	971	1002	392						
165	668	722	793	844	864	222						
175	689	695	711	721	726	69						
180	692	692	692	692	692							

White Reflector

Catalog Number: LMS01-PH-SE-WR-4-X-F01-120-T5HO

Report Number: LTL#06526.ies

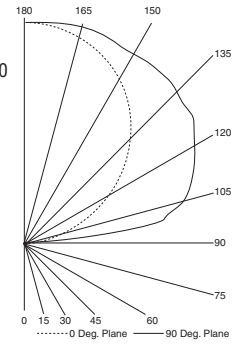
Luminaire Description: Extruded Aluminum Housing with Cast Aluminum End Caps
White Enamel Aluminum Reflector
Open Top

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

Total Luminaire Efficiency = 89.0%

96% Up 4% Down

RP-1 Compliant



	CANDELA DISTRIBUTION						LUMENS					
	0.0	22.5	45.0	67.5	90.0							
0	45	45	45	45	45							
5	45	46	45	46	46	4						
15	46	46	47	47	47	13						
25	38	38	39	41	43	19						
35	33	33	36	40	39	23						
45	26	27	33	34	35	24						
55	15	21	26	28	31	22						
65	9	13	20	22	26	19						
75	6	6	13	15	19	13						
85	0	4	5	8	11	7						
90	0	5	7	7	7							
95	33	187	257	234	224	209						
105	168	338	506	634	681	501						
115	334	459	623	732	775	588						
125	487	568	710	820	856	618						
135	620	691	775	856	888	594						
145	732	777	822	878	902	517						
155	819	843	885	903	906	403						
165	879	886	906	916	923	255						
175	905	905	909	909	910	87						
180	906	906	906	906	906							

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	50	30	10	50	30	10	50	30	10
0	82	82	82	82	71	71	71	71	49	49	49	30	30	30	11	11	11	3												
1	75	71	68	65	64	61	59	57	43	41	40	26	25	24	10	10	10	2												
2	68	62	57	53	58	54	50	46	37	35	33	23	21	20	9	8	8	2												
3	62	54	49	44	53	47	42	39	33	30	28	20	18	17	8	7	7	2												
4	56	48	42	37	48	41	36	32	29	26	23	18	16	14	7	6	6	2												
5	52	42	36	31	44	37	31	28	26	22	20	16	14	12	6	5	5	1												
6	47	38	31	27	40	33	27	24	23	20	17	14	12	11	6	5	4	1												
7	44	34	28	23	37	29	24	20	21	17	15	13	11	9	5	4	4	1												
8	40	30	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	8	6	4	3	3	1												

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	50	30	10	50	30	10	50	30	10
0	86	86	86	86	74	74	74	74	51	51	51	31	31	31	12	12	12	3												
1	78	74	71	68	67	64	61	59	45	43	42	27	26	25	11	10	10	3												
2	71	65	60	55	61	56	52	48	39	36	34	24	22	21	9	9	8	2												
3	64	57	51	46	55	49	44	40	34	31	29	21	19	18	8	8	7	2												
4	59	50	43	39	50	43	38	34	30	27	24	18	17	15	7	7	6	2												
5	54	44	38	33	46	38	33	29	27	23	21	16	14	13	6	6	5	1												
6	49	39	33	28	42	34	29	25	24	20	18	15	13	11	6	5	4	1												
7	45	35	29	24	39	31	25	21	22	18	15	13	11	10	5	4	4	1												
8	42	32	25	21	36	27	22	18	19	16	13	12	10	8	5	4	3	1												
9	39	29	23	18	33	25	20	16	18	14	12	11	9	7	4	4	3	1												
10	36	26	20	16	31	23	18	14	16	13	10	10	8	6	4	3	3	1												

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		70		80		70		80		70		80		70	
	70	50	50	30	70	50	50	30	70	50	50	30	70	50	50	30
10. 10.	3	3	3	4	3	3	4	4	3	4	4	5	3	4	5	6
10. 15.	3	4	4	5	4	4	5	5	4	5	5	6	4	5	6	7
15. 20.	6	6	7	8	6	7	8	8	6	7	8	9	7	8	9	11
15. 30.	8	9	10	11	8	9	11	12	9	10	11	13	10	11	13	15
20. 20.	7	8	9	10	8	8	10	10	8	9	10	11	9	10	11	13
20. 30.	10	11	13	13	11	12	13	14	11	12	14	15	12	14	16	17
20. 40.	13	14	16	17	14	15	17	18	14	16	18	20	15	17	20	22
20. 60.	19	20	24	25	20	21	25	26	21	22	26	28	22	24	28	31
30. 30.	15	15	18	19	15	16	19	20	16	17	20	21	17	18	21	23
30. 40.	19	20	23	24	20	21	24	25	20	22	25	27	21	23	27	29
30. 50.	23	25	29	30	24	25	30	31	25	26	31	32	26	28	33	36
30. 60.	28	29	34	35	29	30	35	37	29	31	36	38	31	33	39	42
60. 60.	53	55	64	66	54	56	66	68	55	58	67	70	57	60	70	74
60. 80.	71	72	84	86	72	74	86	88	73	76	88	91	75	79	91	96
60. 100.	88	90	104	106	89	92	106	109	90	93	108	112	92	97	113	118
100. 100.	144	147	170	173	145	149	173	176	147	151	175	179	150	155	180	186

QUICK SELECTION TABLE

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