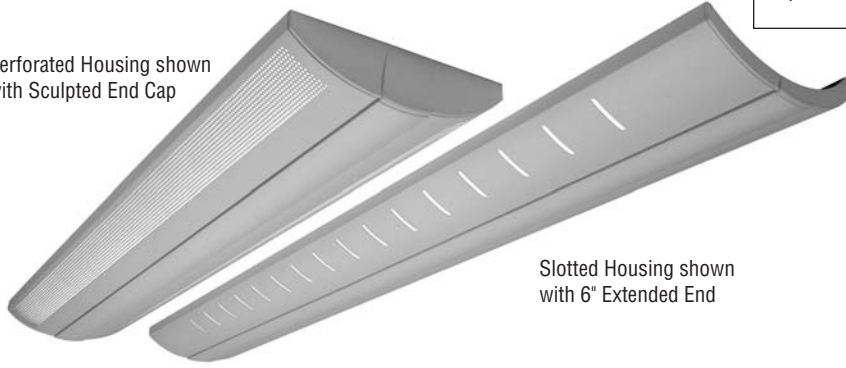


Luminata Series™

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 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 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 120/277 volt, 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

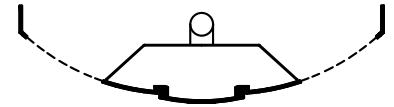
All fixtures intended for continuous rows are provided with factory installed quick-connect wiring.

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	120	T5	NLCKT Separate Night Light Circuit
SH Solid	XE 6" Extended End	SR Specular	Premium Finishes F01G Gloss White	277	T5HO	EMCKT Separate Emergency Circuit
SL Slotted			F02 Ivory	347		EBPL Emergency Battery Pack (635-700 Lumens)
			F03 Stonewash			EBPH Emergency Battery Pack (975-1325 Lumens)
			F04 Camel			Dim Dimming
			F05 Gray Day			FS Fused Ballasts
			F06 Pebble Beach			GTD Generator Transfer Device
			F07 Steel			DC Clear Extruded 100% DR Acrylic Dust Cover
			F08 Gray Seal			DL Damp Location
			F09 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			

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

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

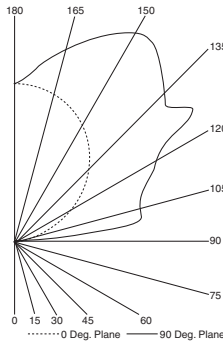
Luminaire Description: Extruded Aluminum Housing with Cast Aluminum End Caps
Specular Aluminum Reflector
Open Top

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

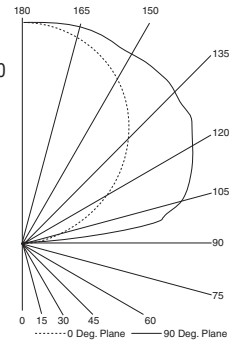
Luminaire Description: Extruded Aluminum Housing with Cast Aluminum End Caps
White Enamel Aluminum Reflector
Open Top

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		
	70	50	30	10	70	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	4	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		
	70	50	30	10	70	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

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.	2	3	3	4	3	3	3	4	3	3	4	4	3	4	5	6
10. 15.	3	4	4	5	3	4	5	5	4	4	5	6	4	5	6	7
15. 20.	5	6	7	7	6	6	7	8	6	7	8	9	7	8	9	10
15. 30.	8	8	10	10	8	9	10	11	8	10	11	12	9	11	12	14
20. 20.	7	8	9	9	7	8	9	10	8	9	10	11	8	10	11	13
20. 30.	10	11	12	13	10	11	13	14	11	12	14	15	11	12	14	15
20. 40.	13	14	16	17	13	14	17	18	14	15	17	19	15	17	19	21
20. 60.	19	20	23	24	19	21	24	25	20	22	25	27	21	23	27	30
30. 30.	14	15	17	18	14	16	18	19	15	16	19	20	16	18	20	22
30. 40.	18	19	22	23	19	20	23	24	19	21	24	26	20	22	26	28
30. 50.	23	24	27	29	23	25	28	30	24	25	29	31	25	27	32	34
30. 60.	27	28	33	34	27	29	34	35	28	30	35	37	29	32	37	40
60. 60.	51	53	61	63	52	54	63	65	53	56	65	67	55	58	67	71
60. 80.	68	70	81	83	69	71	83	85	70	73	84	87	72	76	88	92
60. 100.	84	86														