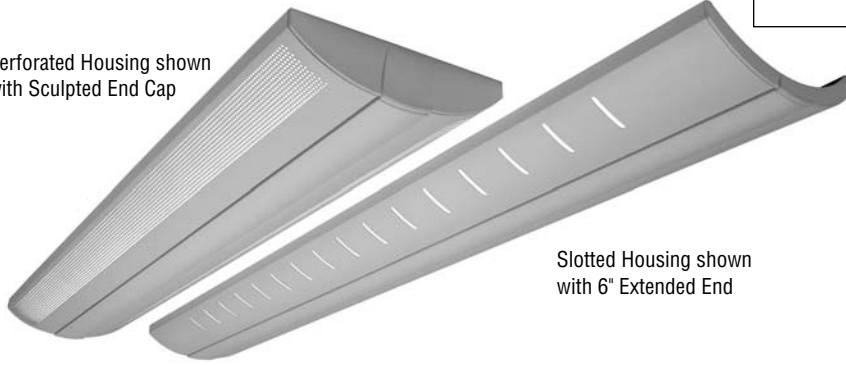


Luminata Series™

Perforated Housing shown with Sculpted End Cap



Slotted Housing shown with 6" Extended End

Catalog Number	Type
Project Name	

LMS02

10" x 2 3/4" Indirect
(T8, 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 - .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.

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

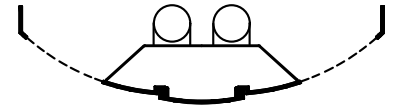
All fixtures intended for continuous rows are provided with factory installed quick-connect wiring.

Controls

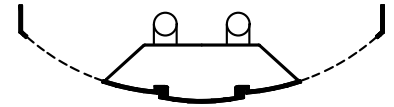
Contact factory for daylight and/or occupancy sensor controls.

Certification

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



T8



T5 or T5HO

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
LMS02

LMS02-PH-XE-WR-12-CT-FO1M-V-T8-[]

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	T8	SS-L/R (Left/Right) Lamp Row Switching (Common Neutral Utilized)
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	T5	NLCKT Separate Night Light Circuit
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	347	T5HO	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 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

LMS02

10" x 2 11/16" Indirect/Perforated Side Panels

T8 Lamps

Catalog Number: LMS02-PH-SE-SR-4-X-F01-120-T8

Report Number: LTL#06452.ies

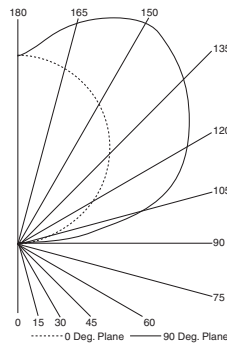
Luminaire Description: Extruded Aluminum Housing with Cast Aluminum End Caps
Specular Aluminum Reflector
Open Top

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

Total Luminaire Efficiency = 83.2%

97% Up 3% Down

RP-1 Compliant



CANDELA DISTRIBUTION		LUMENS					
	0.0	22.5	45.0	67.5	90.0		
0	43	43	43	43	43		
5	45	45	44	44	43	4	
15	40	39	40	41	41	11	
25	37	38	40	40	40	19	
35	32	33	35	41	40	23	
45	26	25	34	34	36	24	
55	16	19	25	29	32	22	
65	9	15	17	24	24	18	
75	6	7	10	16	16	13	
85	0	3	8	9	9	6	
90	0	5	8	11	13		
95	40	154	183	189	191	177	
105	187	394	570	634	637	526	
115	352	596	760	870	908	709	
125	510	786	936	1024	1064	791	
135	653	909	1089	1165	1194	789	
145	769	981	1171	1260	1284	696	
155	864	1006	1158	1242	1274	517	
165	927	998	1089	1148	1169	304	
175	960	970	992	1003	1010	95	
180	963	963	963	963	963		

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
0	80	80	80	80	69	69	69	69	48	48	48	28	28	28	11	11	11	2
1	73	69	66	63	62	60	57	55	41	40	39	25	24	23	9	9	9	2
2	66	60	56	52	57	52	48	45	36	34	32	22	20	19	8	8	7	2
3	60	53	47	43	51	46	41	37	32	29	27	19	18	16	7	7	6	1
4	55	47	41	36	47	40	35	31	28	25	23	17	15	14	6	6	5	1
5	50	41	35	31	43	36	31	27	25	22	19	15	13	12	6	5	5	1
6	46	37	31	26	39	32	27	23	22	19	16	13	12	10	5	4	4	1
7	42	33	27	23	36	28	23	20	20	17	14	12	10	9	5	4	3	1
8	39	30	24	20	33	26	21	17	18	15	12	11	9	8	4	4	3	1
9	36	27	21	17	31	23	18	15	16	13	11	10	8	7	4	3	3	1
10	34	24	19	15	29	21	16	13	15	12	10	9	7	6	3	3	2	0

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		80		70		80		70		80		70		80		70			
	70	50	50	30	70	50	50	30	70	50	50	30	70	50	50	30	70	50	50	30
10. 10.	2	2	3	3	2	3	3	3	2	3	3	4	3	3	4	5				
10. 15.	3	3	4	4	3	3	4	4	3	4	4	5	4	4	5	6				
15. 20.	5	5	6	6	5	5	6	7	5	6	7	7	6	7	8	9				
15. 30.	6	7	8	9	7	7	9	9	7	8	9	10	8	9	10	12				
20. 20.	6	6	7	8	6	7	8	8	6	7	8	9	7	8	9	10				
20. 30.	8	9	10	11	9	9	11	12	9	10	11	12	10	11	13	14				
20. 40.	11	11	13	14	11	12	14	15	11	12	14	16	12	14	16	18				
20. 60.	15	16	19	20	16	17	20	21	16	18	21	22	17	20	23	25				
30. 30.	12	12	14	15	12	13	15	16	12	14	16	17	13	15	17	19				
30. 40.	15	16	19	19	16	17	19	20	16	17	20	21	17	19	22	23				
30. 50.	19	20	23	24	19	20	24	25	20	21	24	26	21	23	26	28				
30. 60.	22	23	27	28	23	24	28	29	23	25	29	30	24	27	31	33				
60. 60.	43	44	51	52	43	45	52	54	44	46	54	56	45	48	56	59				
60. 80.	56	58	67	69	57	59	68	70	58	60	70	72	59	63	73	76				
60. 100.	70	71	83	85	71	73	85	87	72	74	86	89	73	77	90	94				
100. 100.	115	117	136	138	116	118	137	140	117	120	139	143	119	123	143	148				

T5HO Lamps

Catalog Number: LMS02-PH-SE-SR-4-X-F01-120-T5HO

Report Number: LTL#06406.ies

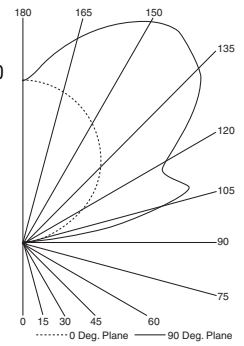
Luminaire Description: Extruded Aluminum Housing with Cast Aluminum End Caps
Specular Aluminum Reflector
Open Top

Lamps: Two Sylvania FP54/830/HO
Rated at 4400 Lumens Each

Total Luminaire Efficiency = 85.5%

97% Up 3% Down

RP-1 Compliant



CANDELA DISTRIBUTION		LUMENS					
	0.0	22.5	45.0	67.5	90.0		
0	67	67	67	67	67	67	
5	68	68	68	67	67	6	
15	63	62	62	63	63	18	
25	55	55	56	60	64	27	
35	45	48	52	58	59	32	
45	34	36	45	51	52	34	
55	20	27	34	41	42	30	
65	12	18	24	32	36	25	
75	8	11	18	24	26	18	
85	3	5	10	13	18	10	
90	0	5	6	11	13		
95	49	292	274	238	223	268	
105	260	609	980	1245	1248	920	
115	496	1013	1147	1219	1321	1075	
125	715	1262	1617	1665	1660	1281	
135	916	1410	1849	2016	2070	1306	
145	1082	1465	1869	2106	2182	1109	
155	1212	1467	1767	1960	2021	788	
165	1302	1425	1596	1706	1745	444	
175	1350	1364	1403	1427	1436	135	
180	1348	1348	1348	1348	1348		

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
0	82	82	82	82	70	70	70	70	49	49	49	29	29	29	11	11	11	2
1	75	71	68	65	64	61	59	56	42	41	40	25	24	24	9	9	9	2
2	68	62	57	53	58	53	49	46	37	35	33	22	21	20	8	8	8	2
3	62	54	49	44	53	47	42	38	33	30	27	19	18	17	7	7	6	1
4	56	48	42	37	48	41	36	32	29	26	23	17	16	14	6	6	5	1
5	51	42	36	31	44	37	31	27	26	22	20	15	13	12	6	5	5	1
6	47	38	31	27	40	33	27	23	23	19	17	14	12	10	5	5	4	1
7	43	34	28	23	37	29	24	20	20	17	15	12	10	9	5	4	3	1
8	40	30	24	20	34	26	21	18	18	15	13	11	9	8	4	4	3	1
9	37	28	22	18	32	24	19	15	17	13	11	10	8	7	4	3	3	1
10	35	25	19	16	30	22	17	14	15	12	10	9	7	6	3	3	2	0

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		80		70		80		70		80		70		80		70			
	70	50	50	30	70	50	50	30	70	50	50	30	70	50	50	30	70	50	50	30
10. 10.	2	2	2	2	2	2	2	2	2	2	2	3	2	2	3	3				
10. 15.	2	2	2	3	2	2	3	3	2	3	3	3	2	3	3	4				
15. 20.	3	3	4	4	3	4	4	4	3	4	4	4	3	4	4	5				
15. 30.	4	5	5	6	4	5	6	6	4	5	6	6	5	6	7	8				
20. 20.	4	4	5	5	4	4	5	5	4	5	5	6	4	5	6	7				
20. 30.	5	6	7	7	6	6	7	7	6	6	7	8	6	6	7	8				
20. 40.	7	7	8	9	7	8	9	9	7	8	9	10	8	9	10	11				
20. 60.	10	11	12	13	10	11	13	13	11	12	13	14	11	12	14	16				
30. 30.	8	8	9	10	8	8	10	10	8	9	10	11	9	9	11	12				
30. 40.	10	10	12	12	10	11	12	13	10	11	13	14	11	12	14	15				
30. 50.	12	13	15	15	12	13	15	16	13	13	16	17	13	14	17	18				
30. 60.	14	15	17	18	15	15	18	19	15	16	18	19	16	17	20	21				
60. 60.	27	2																		