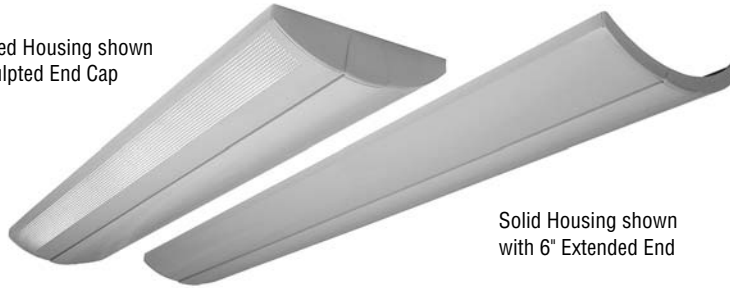


# Luminata Series™

Catalog Number	Type
Project Name	

Perforated Housing shown with Sculpted End Cap



Solid Housing shown with 6" Extended End

## LMS03

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. Standard lengths are 4', 8' and 12'. Provisions may be made for patterns and continuous rows of any length.
- (SH) Solid Housing - Two-piece .070" thick extruded aluminum. Standard lengths are 4', 8' and 12'. Provisions may be made for patterns and continuous rows of any length.

#### 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

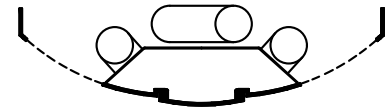
All fixtures intended for continuous rows are provided with factory installed quick-connect wiring.

#### Controls

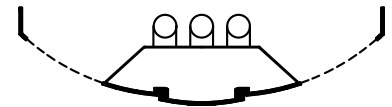
Contact factory for control by Occupancy Sensors, Photo Controls and Daylight Harvesting.

#### Certification

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



T8



T5 or T5HO

Series  
LMS03

Standard Lengths:  
4', 8' and 12'

#### 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)

## LMS03-PH-XE-WR-12-CT-F01M-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 <b>Premium Finishes</b> 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	120 277 347	T8 T5 T5HO	SS-I/O (Inboard/Outboard) Lamp Row Switching (Common Neutral Utilized) <b>NLCKT</b> Separate Night Light Circuit <b>EMCKT</b> Separate Emergency Circuit <b>EBPL</b> Emergency Battery Pack (635-700 Lumens) <b>EBPH</b> Emergency Battery Pack (975-1325 Lumens)
SH Solid	XE 6" Extended End	SR Specular	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 (N/A for T5HO Lamps)

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

# LMS03

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

### T8 Lamps

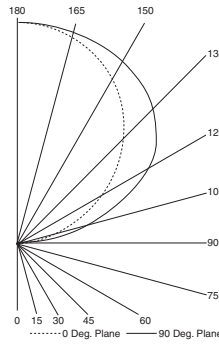
Catalog Number: LMS03-PH-SE-WR-4-X-F01-120-T8

Report Number: LTL#06522.ies

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

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

Total Luminaire Efficiency = 82.0%  
94% Up 6% Down



**CANDELA DISTRIBUTION** **LUMENS**

	0.0	22.5	45.0	67.5	90.0	
0	140	140	140	140	140	
5	137	137	137	136	134	13
15	132	134	136	135	135	38
25	118	119	124	128	135	57
35	91	97	107	118	124	68
45	69	80	95	104	110	70
55	44	58	73	85	92	63
65	29	37	53	65	70	50
75	7	16	28	42	50	30
85	0	9	12	23	26	14
90	0	4	11	19	23	
95	75	166	191	199	199	190
105	377	563	611	627	634	608
115	706	858	1044	1080	1083	956
125	1019	1138	1297	1429	1462	1140
135	1297	1379	1511	1603	1636	1151
145	1524	1577	1665	1736	1763	1038
155	1701	1728	1784	1818	1832	820
165	1824	1832	1856	1872	1880	524
175	1890	1890	1894	1891	1890	180
180	1894	1894	1894	1894	1894	

### 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	0	
0	79	79	79	79	68	68	68	68	48	48	48	30	30	30	13	13	5
1	72	69	66	63	62	59	57	55	42	40	39	26	25	24	11	11	4
2	66	60	55	51	56	52	48	45	37	34	32	23	21	20	10	9	3
3	60	53	47	43	51	46	41	37	32	29	27	20	18	17	9	8	3
4	54	46	40	36	47	40	35	31	29	25	23	18	16	15	8	7	2
5	50	41	35	30	43	36	31	27	25	22	19	16	14	12	7	6	2
6	46	37	30	26	39	32	27	23	23	19	17	14	12	11	6	5	2
7	42	33	27	22	36	28	23	20	20	17	15	13	11	9	6	5	2
8	39	29	24	20	33	26	21	17	18	15	13	11	10	8	5	4	1
9	36	27	21	17	31	23	18	15	17	13	11	10	8	7	5	4	1
10	33	24	19	15	29	21	16	13	15	12	10	9	8	6	4	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		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	2	2	3	3
10. 15.	2	2	3	3	2	2	3	3	2	3	3	3	3	3	3	4	3	3	3	4
15. 20.	3	4	4	4	3	4	4	5	4	4	5	4	4	5	4	5	5	6	6	6
15. 30.	5	5	6	6	5	5	6	6	5	6	6	7	5	6	7	8	5	6	7	8
20. 20.	4	4	5	5	4	4	5	5	4	4	5	6	5	6	6	7	5	6	6	7
20. 30.	6	6	7	7	6	6	7	8	6	7	8	8	7	7	9	9	7	7	9	9
20. 40.	7	8	9	9	8	8	9	10	8	9	10	11	8	9	11	12	8	9	11	12
20. 60.	11	11	13	13	11	12	13	14	11	12	14	15	12	13	15	17	12	13	15	17
30. 30.	8	9	10	10	8	9	10	11	9	9	11	11	9	10	12	13	9	10	12	13
30. 40.	10	11	13	13	11	11	13	14	11	12	14	14	12	13	15	16	12	13	15	16
30. 50.	13	13	15	16	13	14	16	17	13	14	16	17	14	15	18	19	14	15	18	19
30. 60.	15	16	18	19	15	16	19	20	16	17	19	21	17	18	21	22	17	18	21	22
60. 60.	29	30	34	35	29	30	35	36	30	31	36	37	31	33	38	39	31	33	38	39
60. 80.	38	39	45	46	38	40	46	47	39	41	47	49	40	42	49	51	40	42	49	51
60. 100.	47	48	56	57	48	49	57	58	48	50	58	60	50	52	60	63	50	52	60	63
100. 100.	77	78	91	92	78	80	92	94	79	81	93	96	80	83	96	99	80	83	96	99

### T5H0 Lamps

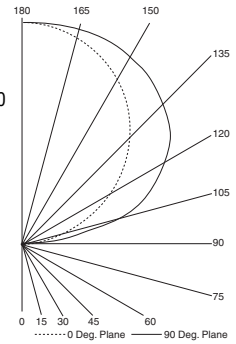
Catalog Number: LMS03-PH-SE-WR-4-X-F01-120-T5H0

Report Number: LTL#06524.ies

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

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

Total Luminaire Efficiency = 91.1%  
98% Up 2% Down



**CANDELA DISTRIBUTION** **LUMENS**

	0.0	22.5	45.0	67.5	90.0	
0	86	86	86	86	86	
5	84	85	85	85	85	8
15	78	77	78	78	78	23
25	74	74	75	75	75	36
35	62	63	63	63	63	45
45	45	51	51	51	51	48
55	27	42	42	42	42	43
65	20	27	27	27	27	32
75	8	16	16	16	16	22
85	0	8	8	8	8	12
90	0	7	7	7	7	
95	129	338	301	254	240	324
105	642	1029	1334	1449	1446	1262
115	1210	1506	1882	2058	2123	1761
125	1737	1976	2277	2525	2599	2002
135	2201	2399	2635	2799	2865	2002
145	2585	2712	2888	3021	3077	1795
155	2882	2944	3081	3150	3178	1409
165	3091	3108	3168	3205	3223	894
175	3194	3180	3197	3192	3193	304
180	3192	3192	3192	3192	3192	

### 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	0	
0	87	87	87	87	75	75	75	75	52	52	52	31	31	31	11	11	2
1	79	76	72	69	68	65	62	60	45	43	42	27	26	25	10	10	2
2	72	66	61	57	62	57	53	49	39	37	35	23	22	21	9	8	1
3	66	58	52	47	56	50	45	41	35	32	29	21	19	18	8	7	1
4	60	51	44	39	51	44	38	34	31	27	24	18	16	15	7	6	1
5	55	45	38	33	47	39	33	29	27	24	21	16	14	13	6	5	1
6	50	40	33	29	43	35	29	25	24	21	18	14	12	11	5	4	1
7	46	36	29	25	39	31	26	22	22	18	15	13	11	9	5	4	1
8	43	32	26	21	36	28	23	19	20	16	13	12	10	8	4	4	1
9	39	29	23	19	34	25	20	16	18	14	12	11	9	7	4	3	0
10	37	27	21	17	31	23	18	15	16	13	10	10	8	6	4	3	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.	1	1	1	1	1	1	1	2	1	1	2	2	1	1	2	2	1	2	2	3
10. 15.	1	2	2	3	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3
15. 20.	2	2	3	3	2	2	3	3	2	2	3	3	2	3	3	3	3	3	3	4
15. 30.	3	3	4	4	3	3	4	4	3	3	4	4	3	3	4	4	3	4	4	5
20. 20.	3	3	3	3	3	3	3	4	3	3	4	4	3	3	4	4	3	3	4	4
20. 30.	4	4	4	5	4	4	5	5	4	4	5	5	4	4	5	5	4	5	5	6
20. 40.	5	5	5	6	5	5	6	6	5	5	6	6	5	5	6	6	5	6	7	7
20. 60.	6	7	8	8	7	7	8	9	7	7	8	9	7	7	9	9	7	8	9	10
30. 30.	5	5	6	6	5	5	6	7	5	6	7	7	5	6	7	7	6	6	7	8
30. 40.	6	7	8	8	6	7	8	8	7	7	8	9	7	7	8	9	7	8	9	10
30. 50.	8	8	9	10	8	8	10	10	8	8	10	10	8	9	10	11	8	9	11	12
30. 60.	9	10	11	11	9	10	11	12	9	10	11	12	10	10	12	12	10	11	13	13
60. 60.	17	1																		