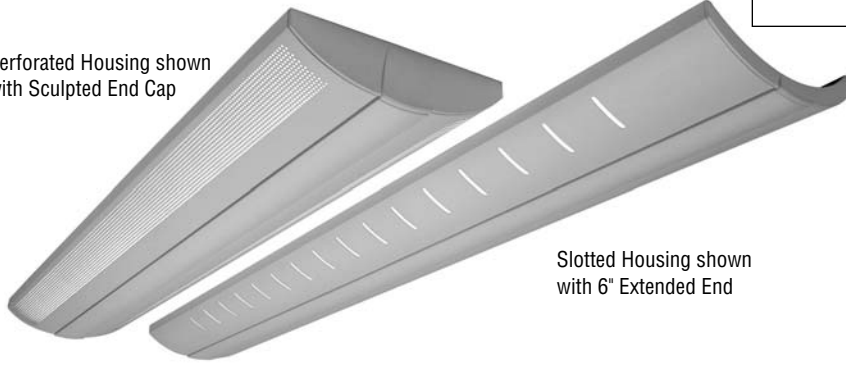


Luminata Series™

Catalog Number	Type
Project Name	

Perforated Housing shown with Sculpted End Cap



Slotted 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.
- (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 120/277volt, 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

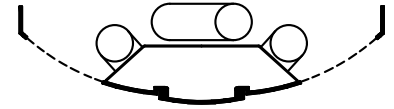
All fixtures intended for continuous rows are provided with factory installed quick-connect wiring.

Controls

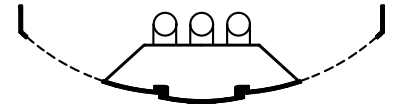
Contact factory for daylight and/or occupancy sensor controls.

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)

LMS03-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	120	T8	SS-I/O (Inboard/Outboard) Lamp Row Switching (Common Neutral Utilized)
SH Solid	XE 6" Extended End	SR Specular	Premium Finishes F01G Gloss White	277	T5	NLCKT Separate Night Light Circuit
SL Slotted			F02 Ivory	347	T5HO	EMCKT Separate Emergency Circuit
			F03 Stonewash			EBPL Emergency Battery Pack (635-700 Lumens)
			F04 Camel			EBPH Emergency Battery Pack (975-1325 Lumens)
			F05 Gray Day			
			F06 Pebble Beach			
			F07 Steel			
			F08 Gray Seal			
			F09 Mocha			
			F10 Bronzed			
			F11 Black			
			F12 Ultrasonic Clear			
			F13 Merlot			Dim Dimming
			F14 Red Skies			FS Fused Ballasts
			F15 Lemon			GTD Generator Transfer Device
			F16 Forest Hunter			DC Clear Extruded 100% DR Acrylic Dust Cover (N/A for T5HO Lamps)
			F17 Olive			DL Damp Location
			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.



LMS03

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

T8 Lamps

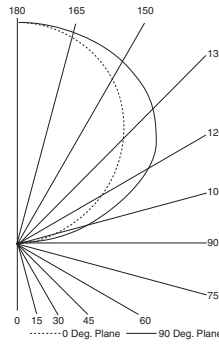
Catalog Number: LMS03-PH-SE-WR-4-X-F01-120-T8

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	2	2	3	3	3	3
10. 15.	2	2	3	3	2	2	3	3	2	3	3	3	3	3	3	3	3	3	4	4	4
15. 20.	3	4	4	4	3	4	4	5	4	4	5	4	4	5	4	5	5	6	6	6	6
15. 30.	5	5	6	6	5	5	6	6	5	6	6	7	5	6	7	5	6	7	8	8	8
20. 20.	4	4	5	5	4	4	5	5	4	4	5	4	4	5	4	4	5	6	6	6	6
20. 30.	6	6	7	7	6	6	7	8	6	7	8	8	7	7	9	7	7	9	9	9	9
20. 40.	7	8	9	9	8	8	9	10	8	9	10	11	8	9	11	8	9	11	12	12	12
20. 60.	11	11	13	13	11	12	13	14	11	12	14	15	12	13	15	12	13	15	17	17	17
30. 30.	8	9	10	10	8	9	10	11	9	9	11	11	9	10	12	9	10	12	13	13	13
30. 40.	10	11	13	13	11	11	13	14	11	12	14	14	12	13	15	12	13	15	16	16	16
30. 50.	13	13	15	16	13	14	16	17	13	14	16	17	14	15	18	14	15	18	19	19	19
30. 60.	15	16	18	19	15	16	19	20	16	17	19	21	17	18	21	17	18	21	22	22	22
60. 60.	29	30	34	35	29	30	35	36	30	31	36	37	31	33	38	31	33	38	39	39	39
60. 80.	38	39	45	46	38	40	46	47	39	41	47	49	40	42	49	40	42	49	51	51	51
60. 100.	47	48	56	57	48	49	57	58	48	50	58	60	50	52	60	50	52	60	63	63	63
100. 100.	77	78	91	92	78	80	92	94	79	81	93	96	80	83	96	80	83	96	99	99	99

T5HO Lamps

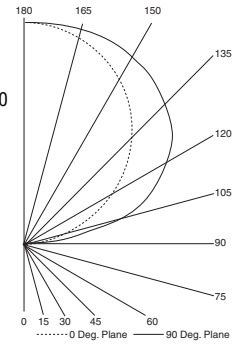
Catalog Number: LMS03-PH-SE-WR-4-X-F01-120-T5HO

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	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	16	
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	2	2	2	2	2
10. 15.	1	2	2	2	1	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3
15. 20.	2	2	3	3	2	2	3	3	2	2	3	3	2	3	3	3	3	3	4	4	4
15. 30.	3	3	4	4	3	3	4	4	3	3	4	4	3	3	4	4	4	4	5	5	5
20. 20.	3	3	3	3	3	3	3	4	3	3	4	4	3	3	4	4	4	4	5	5	5
20. 30.	4	4	4	5	4	4	5	5	4	4	5	5	4	4	5	5	5	6	6	6	6
20. 40.	5	5	5	6	5	5	6	6	5	5	6	6	5	5	6	6	6	7	7	7	7
20. 60.	6	7	8	8	7	7	8	9	7	7	8	9	7	7	9	9	9	9	10	10	10
30. 30.	5	5	6	6	5	5	6	7	5	5	6	7	5	6	7	7	7	8	8	8	8
30. 40.	6	7	8	8	6	7	8	8	7	7	8	8	7	7	8	8	8	9	9	9	9
30. 50.	8	8	9	10	8	8	10	10	8	8	10	10	8	9	10	11	8	9	11	11	11
30. 60.	9	10	11	11																	