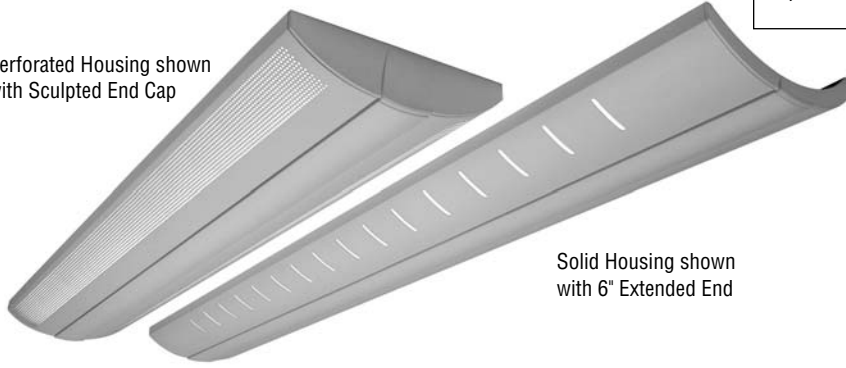


Luminata Series™

Perforated Housing shown with Sculpted End Cap



Solid Housing shown with 6" Extended End

Catalog Number	Type
Project Name	

LMS04

10" x 2 3/4" Indirect
(T8 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 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

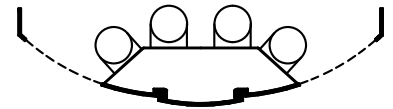
All fixtures intended for continuous rows are provided with factory installed quick-connect wiring.

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.



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
LMS04

LMS04-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 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	SS-I/O (Inboard/Outboard) Lamp Row Switching (Common Neutral Utilized) NLCKT Separate Night Light Circuit EMCKT Separate Emergency Circuit EBPL Emergency Battery Pack (635-700 Lumens) EBPH 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
SL Slotted						

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

LMS04

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

T8 Lamps

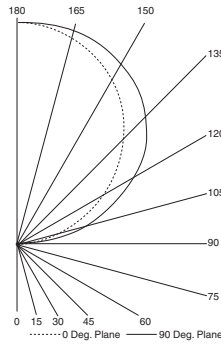
Catalog Number: LMS04-PH-SE-WR-4-X-F01-120-T8

Report Number: LTL#06525.ies

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

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

Total Luminaire Efficiency = 82.1%
95% Up 5% Down



	CANDELA DISTRIBUTION					LUMENS
	0.0	22.5	45.0	67.5	90.0	
0	148	148	148	148	148	148
5	145	145	145	145	143	14
15	136	138	141	141	141	40
25	121	124	126	133	141	60
35	102	103	120	129	134	73
45	76	81	100	111	117	75
55	49	63	79	92	95	68
65	30	39	55	72	78	54
75	15	23	35	49	56	38
85	7	11	18	28	34	21
90	0	8	16	23	27	
95	96	210	225	231	234	232
105	523	699	760	799	816	773
115	991	1160	1309	1337	1344	1229
125	1431	1580	1721	1831	1858	1515
135	1819	1944	2067	2147	2179	1574
145	2138	2227	2333	2391	2417	1446
155	2390	2435	2522	2559	2577	1154
165	2562	2580	2620	2644	2656	739
175	2652	2653	2664	2657	2658	253
180	2662	2662	2662	2662	2662	

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	79	79	79	79	68	68	68	68	48	48	48	29	29	29	12	12	12	4
1	72	69	66	63	62	59	57	55	42	40	39	25	25	24	10	10	10	3
2	65	60	55	51	56	52	48	45	36	34	32	22	21	20	9	9	8	3
3	60	52	47	43	51	45	41	37	32	29	27	20	18	17	8	8	7	2
4	54	46	40	36	47	40	35	31	28	25	23	17	16	14	7	7	6	2
5	50	41	35	30	43	35	30	27	25	22	19	15	14	12	6	6	5	2
6	46	36	30	26	39	32	26	23	22	19	17	14	12	10	6	5	4	1
7	42	33	27	22	36	28	23	20	20	17	14	12	10	9	5	4	4	1
8	39	29	23	19	33	25	21	17	18	15	12	11	9	8	5	4	3	1
9	36	27	21	17	31	23	18	15	16	13	11	10	8	7	4	3	3	1
10	33	24	19	15	29	21	16	13	15	12	10	9	7	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.	1	1	2	2	1	2	2	2	1	2	2	2	2	2	2	3
10.	15.	2	2	2	2	2	2	2	2	2	2	3	2	2	3	3	3
15.	20.	3	3	3	3	3	3	3	4	3	3	4	3	3	4	4	5
15.	30.	4	4	4	5	4	4	5	5	4	4	5	4	4	5	5	6
20.	20.	3	3	4	4	3	4	4	4	3	4	4	5	4	4	5	6
20.	30.	4	5	5	6	5	5	6	6	5	5	6	6	5	6	7	7
20.	40.	6	6	7	7	6	6	7	8	6	7	8	8	6	7	8	9
20.	60.	8	9	10	10	8	9	10	11	9	9	11	11	9	10	12	13
30.	30.	6	7	7	8	6	7	8	8	7	7	8	9	7	8	9	10
30.	40.	8	8	10	10	8	9	10	10	8	9	10	11	9	10	11	12
30.	50.	10	10	12	12	10	11	12	13	10	11	13	13	11	12	13	15
30.	60.	11	12	14	14	12	12	14	15	12	13	15	16	13	14	16	17
60.	60.	22	22	26	27	22	23	27	27	22	24	27	28	23	25	28	30
60.	80.	29	29	34	35	29	30	35	36	29	31	35	37	30	32	37	39
60.	100.	35	36	42	43	36	37	43	44	36	38	44	45	37	39	45	47
100.	100.	58	59	68	69	59	60	69	71	59	61	70	72	60	63	72	75

