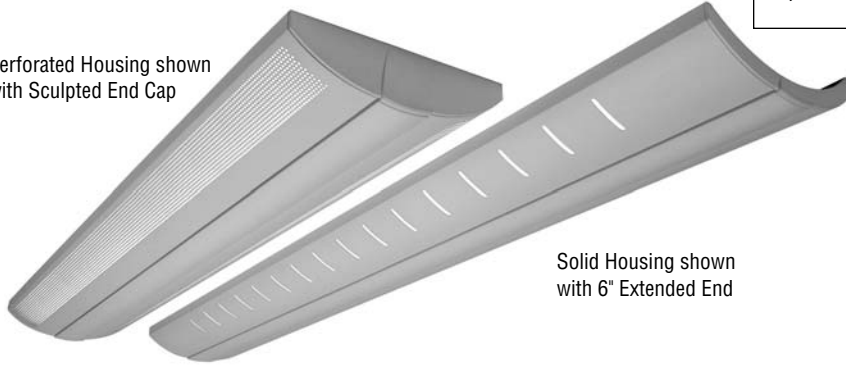


Luminata Series™

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 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 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

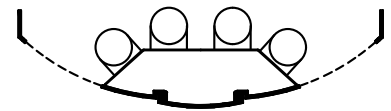
All fixtures intended for continuous rows are provided with factory installed quick-connect wiring.

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

PH
Perforated
SH
Solid
SL
Slotted

End Caps

SE
Sculpted End
XE
6" Extended End

Reflector

WR
White
SR
Specular

Standard Finishes

F01M Matte White
Premium Finishes
F01G Gloss White
F02 Ivory
F03 Stonewash
F04 Camel
F05 Gray Day
F06 Pebble Beach
F07 Steel
F08 Gray Seal
F09 Mocha
F10 Bronze
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

Voltage

120
277
347

Lamp Type

T8

Options

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)

Dim
Dimming

FS
Fused Ballasts

GTD
Generator Transfer Device

DC
Clear Extruded 100% DR
Acrylic Dust Cover

DL
Damp Location

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

LMS04

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

T8 Lamps

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

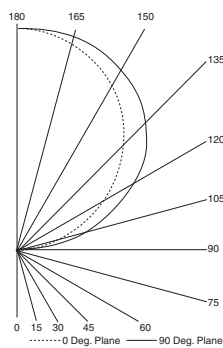
Report Number: LTL#06525.ies

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		
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
RW	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	8	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	Wall 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
Width		Length															
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	2	3	2	2	3	3
15.	20.	3	3	3	3	3	3	3	4	3	3	4	4	3	4	4	5
15.	30.	4	4	4	5	4	4	5	5	4	4	5	5	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

