

Catalog Number	Type
Project Name	

Microlinea Series™

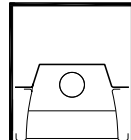
MLS-D1 • MLS-D2

3 1/8" x 3 1/2" Direct
(T8, T5 or T5HO Lamps)

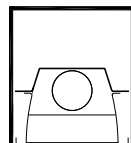
Shown with Linear Prismatic Lens



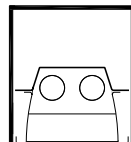
Shown with White Parabolic Baffle



MLS-D1
T5 or T5HO



MLS-D1
T8



MLS-D2
T5

S P E C I F I C A T I O N S

Housing

One-piece .080" thick extruded aluminum. Die-cast aluminum end caps are secured with no visible fasteners. Standard lengths are 4', 8' and 12'. Provisions may be made for patterns and continuous rows of any length.

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.

Direct Optical Controls

- (PB) 3/4" deep semi-specular aluminum parabolic baffle with blades on 1 1/2" centers
- (PBW) 3/4" deep white aluminum parabolic baffle with blades on 1 1/2" centers
- (LP) Clear extruded 100% DR acrylic linear prismatic lens
- (TWA) Translucent white extruded 100% DR acrylic lens
- (FC) Frosted clear extruded DR acrylic lens

Reflectors

Die-formed from .020" thick aluminum and finished with a high reflectance white enamel.

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.

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)
- J = Ceiling

Series
MLS-D1
MLS-D2

Standard Lengths:
4', 8' and 12'

MLS-D1-12-CT-PB-F01M-V-T5-[]

Direct Optical Controls

- PB**
Semi-Specular Parabolic Baffle
- PBW**
White Parabolic Baffle
- LP**
Linear Prismatic Lens
- TWA**
Translucent White Acrylic Lens
- FC**
Frosted Clear Lens

Standard Finishes

- 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
- 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 Lamp Type

- 120 T5
- 277 T5HO (1 Lamp only)
- 347 T8 (1 Lamp only)

Options

- SS-L/R** (Left/Right) 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
- AO** White Acrylic Baffle Overlay (N/A for T8)

To view Wood Grain, Marble and Granite Finishes on our Website see "Products"-"Specialty Finishes".



MLS-D1

Direct - T5HO Lamp

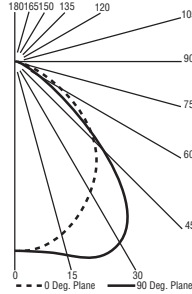
Semi-Specular Aluminum Parabolic Baffle

Catalog Number: MLS-D1-4-X-PB-F01M-120-T5HO
Report Number: LTL#12718.ies

Luminaire Description: Extruded Aluminum Housing with White Aluminum Reflector and Semi-Specular Parabolic Baffle

Lamp: One Philips F54T5/850/HO/ALTO Rated at 4400 Lumens

Total Luminaire Efficiency = 51.3%
 0% Up 100% Down



CANDELA DISTRIBUTION						LUMENS	
	0.0	22.5	45.0	67.5	90.0		
0	960	960	960	960	960		
5	956	956	964	962	966	92	
15	906	920	963	999	1018	273	
25	822	861	963	1045	1080	441	
35	708	784	904	959	985	545	
45	561	658	698	662	647	502	
55	365	417	346	265	240	298	
65	94	93	81	67	56	87	
75	23	20	16	17	16	20	
85	2	2	2	3	3	3	
90	0	0	0	0	0		

MLS-D1

Direct - T8 Lamp

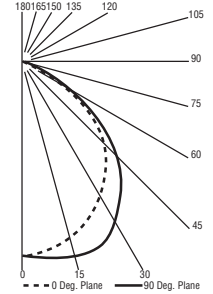
Semi-Specular Aluminum Parabolic Baffle

Catalog Number: MLS-D1-4-X-PB-F01M-120-T8
Report Number: LTL#12727.ies

Luminaire Description: Extruded Aluminum Housing with White Aluminum Reflector and Semi-Specular Parabolic Baffle

Lamp: One Philips F32T8/TL835/ALTO Rated at 2850 Lumens

Total Luminaire Efficiency = 52.9%
 0% Up 100% Down



CANDELA DISTRIBUTION						LUMENS	
	0.0	22.5	45.0	67.5	90.0		
0	653	653	653	653	653		
5	648	648	655	654	657	62	
15	613	622	646	666	675	182	
25	556	576	620	648	660	282	
35	480	513	544	552	568	333	
45	384	415	417	425	443	322	
55	256	266	259	260	270	232	
65	74	74	78	68	56	77	
75	18	15	13	13	13	16	
85	2	1	1	1	2	2	
90	0	0	0	0	0		

MLS-D2

Direct - T5 Lamps

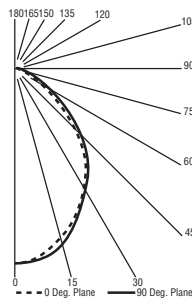
White Aluminum Parabolic Baffle

Catalog Number: MLS-D2-4-X-PBW-F01M-120-T5
Report Number: LTL#12723.ies

Luminaire Description: Extruded Aluminum Housing with White Aluminum Reflector and White Parabolic Baffle

Lamps: Two Philips F28T5/835/ALTO Rated at 2610 Lumens Each

Total Luminaire Efficiency = 49.3%
 0% Up 100% Down



CANDELA DISTRIBUTION						LUMENS	
	0.0	22.5	45.0	67.5	90.0		
0	1321	1321	1321	1321	1321		
5	1306	1307	1318	1312	1313	124	
15	1194	1201	1224	1227	1230	342	
25	1034	1040	1033	1040	1054	479	
35	843	832	818	836	868	522	
45	623	604	604	605	613	468	
55	380	375	367	341	339	324	
65	171	175	188	191	197	185	
75	91	91	93	98	102	100	
85	21	21	23	24	25	26	
90	0	0	0	0	0		

MLS-D2

Direct - T5 Lamps

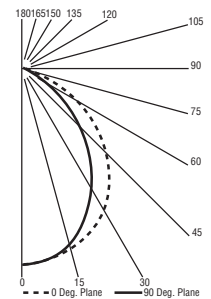
Linear Prismatic Acrylic Lens

Catalog Number: MLS-D2-4-X-LP-F01M-120-T5
Report Number: LTL#12722.ies

Luminaire Description: Extruded Aluminum Housing with White Aluminum Reflector and Linear Prismatic Acrylic Lens

Lamps: Two Philips F28T5/835/ALTO Rated at 2610 Lumens Each

Total Luminaire Efficiency = 45.5%
 0% Up 100% Down



CANDELA DISTRIBUTION						LUMENS	
	0.0	22.5	45.0	67.5	90.0		
0	1137	1137	1137	1137	1137		
5	1131	1129	1133	1126	1129	107	
15	1088	1081	1074	1060	1060	303	
25	1003	987	964	922	907	440	
35	874	844	762	694	678	480	
45	699	631	538	492	478	433	
55	473	401	333	283	265	311	
65	222	216	171	146	140	179	
75	78	94	93	88	85	94	
85	13	27	32	30	29	30	
90	0	2	4	6	6		

Note: See Website for additional Photometric Reports.



Precision Architectural Lighting 4830 Timber Creek Drive Houston, Texas 77017

Tel 713.946.4343 Fax 713.946.4441 www.pal-lighting.com