

# Microlinea Series™

Catalog Number	Type
Project Name	

Shown with Linear Prismatic Lens



Shown with White Parabolic Baffle

## MLP-D1•MLP-D2

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

### 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 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.

#### 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
- (DLP) Directional clear extruded 100% DR acrylic linear prismatic wall wash lens
- (TWA) Translucent white extruded 100% DR acrylic lens

#### Reflectors

- For PB, PBW, LP and TWA Optical Controls - Die-formed from .020" thick aluminum and finished with a high reflectance white enamel.

- For DLP Optical Control - 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

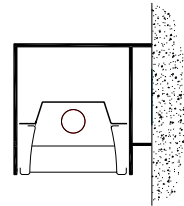
All fixtures intended for continuous rows are provided with factory installed quick-connect wiring.

#### Controls

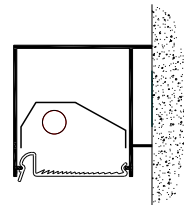
Contact factory for control by Occupancy Sensors, Photo Controls and Daylight Harvesting.

#### Certification

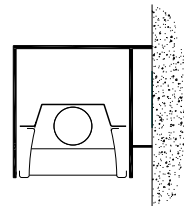
All fixtures are UL/CUL listed for use in 'Dry Applications'. 'Damp Location' is optional.



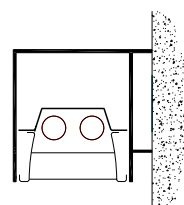
MLP-D1  
T5 or T5HO



MLP-D1-DLP  
T5 or T5HO



MLP-D1  
T8



MLP-D2  
T5

Series: MLP-D1, MLP-D2 | Standard Lengths: 4', 8' and 12' | Mounting: W = Wall

## MLP-D1-12-W-PB-F01M-V-T5HO-[ ]

#### Direct Optical Controls

- PB**  
Semi-Specular Parabolic Baffle
- PBW**  
White Parabolic Baffle
- LP**  
Linear Prismatic Lens
- DLP**  
Directional Linear Prismatic WW Lens (N/A for T8) (N/A for 2 lamps)
- TWA**  
Translucent White Acrylic 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

- 120
- 277
- 347

#### Lamp Type

- T5
- T5HO (1 Lamp only)
- 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) (N/A with DLP)

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



# MLP-D1

## Direct - T5HO Lamp

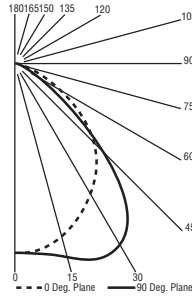
### Semi-Specular Aluminum Parabolic Baffle

**Catalog Number:** MLP-D1-4-W-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		
15	906	920	963	999	1018	273	92
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		

# MLP-D1

## Direct - T8 Lamp

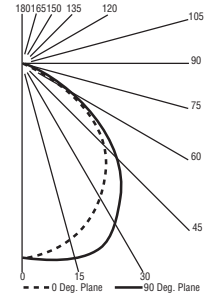
### Semi-Specular Aluminum Parabolic Baffle

**Catalog Number:** MLP-D1-4-W-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		

# MLP-D1

## Direct - T5HO Lamp

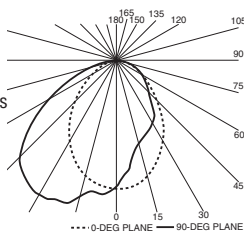
### Wall Wash Lens

**Catalog Number:** MLP-D1-4-W-DLP-F01M-120-T5HO  
**Report Number:** LTL#12732.ies

**Luminaire Description:** Extruded Aluminum Housing with Specular Aluminum Reflector and Directional Linear Prismatic Acrylic Lens

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

Total Luminaire Efficiency = 47.9%  
 0% Up 100% Down



CANDELA DISTRIBUTION										LUMENS	
	0.0	22.5	45.0	67.5	90.0	112.5	135.0	157.5	180.0		
0	789	789	789	789	789	789	789	789	789		
5	700	705	729	756	788	810	826	828	828	73	
15	534	537	576	655	740	803	817	863	871	202	
25	477	474	482	515	643	743	872	930	948	310	
35	404	405	428	403	508	681	842	925	934	380	
45	292	296	326	348	358	605	771	834	835	395	
55	224	215	217	252	227	491	629	635	606	345	
65	162	152	143	143	136	347	419	384	360	245	
75	94	84	76	65	60	170	196	179	164	127	
85	26	22	18	12	10	31	36	34	26	29	
90	11	8	5	2	1	2	2	2	2	1	

# MLP-D2

## Direct - T5 Lamps

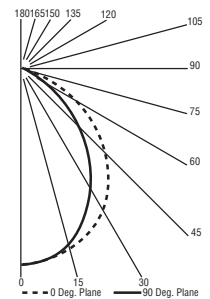
### Linear Prismatic Acrylic Lens

**Catalog Number:** MLP-D2-4-W-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 F28T5/850/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	112.5	135.0	157.5	180.0		
0	1137	1137	1137	1137	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					29	
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