

# Microlinea Series™

Catalog Number	Type
Project Name	

Shown with Linear Prismatic Lens



Shown with White Parabolic Baffle

## MLS-I1/D1

3 1/8" x 5" Indirect/Direct (T8, T5 or T5HO Lamps)

### 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.

#### Indirect Optical Controls

- (OP) Open
- (DC) Clear extruded 100% DR acrylic dust cover

#### 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

- Indirect - Die-formed from .020" thick high reflectance specular aluminum.
- Direct - 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

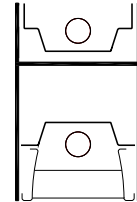
All fixtures intended for continuous rows are provided with factory installed quick-connect wiring.

#### Controls

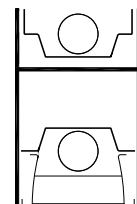
Contact factory for control by Occupancy Sensors, Photo Controls and Daylight Harvesting.

#### Certification

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



MLS-I1/D1  
T5 or T5HO



MLS-I1/D1  
T8

Series	Standard Lengths:	Mounting
	4', 8' and 12'	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)
MLS-I1/D1		

## MLS-I1/D1-12-CT-DC/PB-F01M-V-T5HO-[ ]

Indirect Optical Controls	Direct Optical Controls	Standard Finishes	Voltage	Lamp Type	Options	Dim
OP Open	PB Semi-Specular Parabolic Baffle	F01M Matte White	120	T5	SS-U/L (Upper/Lower) Lamp Row Switching (Common Neutral Utilized)	Dim Dimming
DC Clear Dust Cover	PBW White Parabolic Baffle	F01G Gloss White <b>Premium Finishes</b>	277	T5HO	NLCKT Separate Night Light Circuit	FS Fused Ballasts
	LP Linear Prismatic Lens	F02 Ivory	347	T8	EMCKT Separate Emergency Circuit	GTD Generator Transfer Device
	TWA Translucent White Acrylic Lens	F03 Stonewash			EBPL Emergency Battery Pack (635-700 Lumens)	AO White Acrylic Baffle Overlay (N/A for T8)
	FC Frosted Clear Lens	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				
		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				

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



# MLS-I1/D1

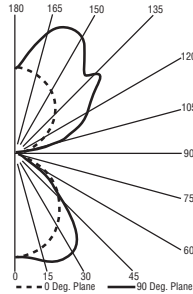
## Indirect/Direct - T5HO Lamps Semi-Specular Aluminum Parabolic Baffle

**Catalog Number:** MLS-I1/D1-4-X-OP/PB-F01M-120-T5HO  
**Report Number:** LTL#13039.ies

**Luminaire Description:** Extruded Aluminum Housing with Specular Aluminum Reflector Up and White Aluminum Reflector Down and Semi-Specular Parabolic Baffle and Open Top

**Lamps:** Two Philips F54T5/850/HO/ALTO  
Rated at 4400 Lumens Each

Total Luminaire Efficiency = 69.9%  
63% Up 37% 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	13
85	2	2	2	3	3	3
90	0	0	0	0	0	0
95	32	126	120	107	102	118
105	149	303	398	460	494	394
115	281	481	595	659	678	552
125	412	728	808	841	849	673
135	531	872	934	939	1024	684
145	632	921	1121	1146	1115	634
155	712	890	1135	1217	1239	486
165	767	831	985	1086	1122	274
175	796	783	806	824	830	79
180	782	782	782	782	782	

# MLS-I1/D1

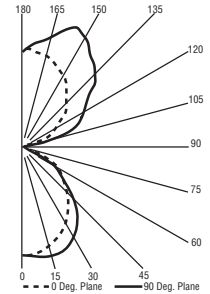
## Indirect/Direct - T8 Lamps Semi-Specular Aluminum Parabolic Baffle

**Catalog Number:** MLS-I1/D1-4-X-OP/PB-F01M-120-T8  
**Report Number:** LTL#13051.ies

**Luminaire Description:** Extruded Aluminum Housing with Specular Aluminum Reflector Up and White Aluminum Reflector Down and Semi-Specular Parabolic Baffle and Open Top

**Lamps:** Two Philips F32T8/TL835/ALTO  
Rated at 2850 Lumens Each

Total Luminaire Efficiency = 68.8%  
62% Up 38% 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	2	2	2
90	0	0	0	0	0	0
95	24	55	51	42	38	52
105	112	184	243	245	242	223
115	209	327	341	378	397	334
125	303	471	489	493	490	413
135	388	555	602	615	620	440
145	460	571	711	717	712	404
155	518	583	691	772	788	311
165	558	588	635	670	685	179
175	579	577	591	597	598	57
180	572	572	572	572	572	

# MLS-I1/D1

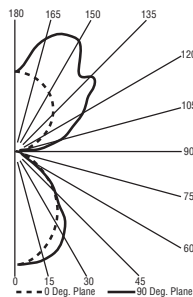
## Indirect/Direct - T5HO Lamps White Aluminum Parabolic Baffle

**Catalog Number:** MLS-I1/D1-4-X-OP/PBW-F01M-120-T5HO  
**Report Number:** LTL#13038.ies

**Luminaire Description:** Extruded Aluminum Housing with Specular Aluminum Reflector Up and White Aluminum Reflector Down and White Parabolic Baffle and Open Top

**Lamps:** Two Philips F54T5/850/HO/ALTO  
Rated at 4400 Lumens Each

Total Luminaire Efficiency = 71.1%  
62% Up 38% Down



### CANDELA DISTRIBUTION LUMENS

	0.0	22.5	45.0	67.5	90.0	
0	1100	1100	1100	1100	1100	
5	1089	1090	1101	1098	1099	104
15	1000	1011	1047	1077	1089	295
25	870	892	953	1003	1027	437
35	715	746	797	813	827	488
45	534	571	573	544	545	430
55	340	362	338	332	343	308
65	162	165	183	192	202	182
75	85	85	89	96	100	97
85	20	20	22	23	25	25
90	0	0	0	0	0	0
95	32	126	120	107	102	118
105	149	303	398	460	494	394
115	281	481	595	659	678	552
125	412	728	808	841	849	673
135	531	872	934	939	1024	684
145	632	921	1121	1146	1115	634
155	712	890	1135	1217	1239	486
165	767	831	985	1086	1122	274
175	796	783	806	824	830	79
180	782	782	782	782	782	

# MLS-I1/D1

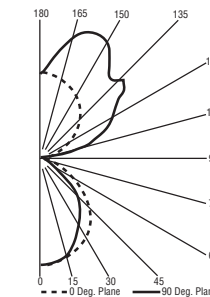
## Indirect/Direct - T5HO Lamps Linear Prismatic Acrylic Lens

**Catalog Number:** MLS-I1/D1-4-X-OP/LP-F01M-120-T5HO  
**Report Number:** LTL#13037.ies

**Luminaire Description:** Extruded Aluminum Housing with Specular Aluminum Reflector Up and White Aluminum Reflector Down and Linear Prismatic Acrylic Lens and Open Top

**Lamps:** Two Philips F54T5/850/HO/ALTO  
Rated at 4400 Lumens Each

Total Luminaire Efficiency = 68.9%  
64% Up 36% Down



### CANDELA DISTRIBUTION LUMENS

	0.0	22.5	45.0	67.5	90.0	
0	972	972	972	972	972	
5	971	965	975	970	972	92
15	941	940	944	933	931	265
25	880	869	842	803	790	385
35	782	738	673	643	639	433
45	640	557	517	492	480	409
55	436	369	324	274	254	294
65	208	200	163	140	135	169
75	73	87	86	83	81	89
85	12	25	30	29	28	29
90	0	2	4	5	6	6
95	32	126	120	107	102	118
105	149	303	398	460	494	394
115	281	481	595	659	678	552
125	412	728	808	841	849	673
135	531	872	934	939	1024	684
145	632	921	1121	1146	1115	634
155	712	890	1135	1217	1239	486
165	767	831	985	1086	1122	274
175	796	783	806	824	830	79
180	782	782	782	782	782	

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