

# Microlinea™ Suspended Series 5 - Fluorescent

|                |      |
|----------------|------|
| Catalog Number | Type |
| Project Name   |      |

## MLS5-I1/D2 • MLS5-I2/D1

5 1/4" x 5 3/8" Indirect/Direct (T5, T5HO and T8 Lamps)



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

#### Housing

One-piece .090" thick extruded aluminum. Die-cast aluminum end caps are secured with no visible fasteners. Standard lengths are nominal 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.

#### Indirect Optical Controls

- (OP) Open
- (DC) 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) Flush clear extruded 100% DR acrylic linear prismatic lens
- (TWA) Flush translucent white extruded 100% DR acrylic lens
- (FC) Flush frosted clear extruded DR acrylic lens

#### Reflectors

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

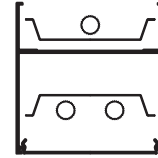
All fixtures intended for continuous rows are provided with factory installed quick-connect wiring.

#### Controls

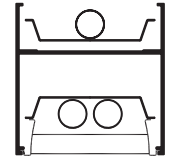
Contact factory for control by Occupancy Sensors, Photo Controls and Daylight Harvesting.

#### Certification

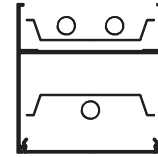
All fixtures are UL/CUL listed for use in 'Dry Applications'. 'Damp Location' is optional.



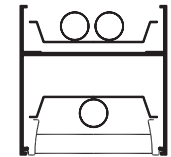
MLS5-I1/D2  
T5 or T5HO  
Flush Lens Shown



MLS5-I1/D2  
T8  
Parabolic Baffle Shown

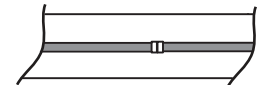


MLS5-I2/D1  
T5 or T5HO  
Flush Lens Shown

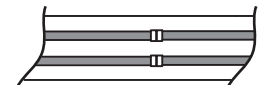


MLS5-I2/D1  
T8  
Parabolic Baffle Shown

#### In-Line Lamps:



1 Lamp T5/T5HO  
1 Lamp T8



2 Lamp T5/T5HO  
2 Lamp T8

#### Mounting

CT = Cable (15/16" Tbar) Fully Adjustable (36" Standard) (T8 only)  
CN = Cable (Non-Tbar) Fully Adjustable (36" Standard)

Standard Lengths:  
4', 8' and 12'

Series  
MLS5-I1/D2  
MLS5-I2/D1

Lamp Type  
T5  
T5HO  
T8

## MLS5-I1/D2-IL-12-CT-DC/PB-F01M-V-T5-[ ]

#### Lamp Configuration

IL  
In-Line Lamps - T5, T5HO, T8

#### Indirect Optical Controls

OP  
Open  
DC  
Dust Cover  
(N/A for T5HO)

#### 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  
Premium Finishes  
F01G Gloss White F12 Ultrasonic Clear  
F02 Ivory F13 Merlot  
F03 Stonewash F14 Red Skies  
F04 Camel F15 Lamon  
F05 Gray Day F16 Forest Hunter  
F06 Pebble Beach F17 Olive  
F07 Steel F18 Khaki  
F08 Gray Seal F19 Heather Green  
F09 Mocha F20 Blue Print  
F10 Bronzed F21 Reflex Blue  
F11G Gloss Black F22 Navy  
F11M Matte Black FCC Custom Color

#### Voltage

120  
277  
347

#### Options

SS(U/L)(Upper/Lower)  
Lamp Row Switching  
(Common Neutral)  
NLCKT  
Night Light Circuit  
(Common Neutral)  
EMCKT  
Emergency Circuit  
(Separate Hot & Neutral)  
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 2-Lp T5HO)  
DL  
Damp Location  
RS  
Rapid Start Ballast (T8)



# Suspended MLS5-I1/D2

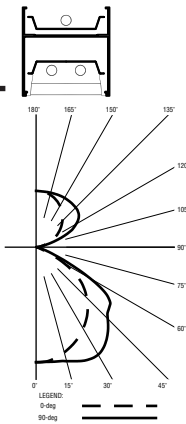
## Indirect/Direct - T5 Lamps Semi-Specular Aluminum Parabolic Baffle

**Catalog Number:** MLS5-I1/D2-4-X-OP/PB-F01M-120-T5  
**Report Number:** ITL#78293.ies

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

**Lamps:** Three FP28T5/841/ECO  
Rated at 2600 Lumens Each

Total Luminaire Efficiency = 75.7%  
39% Up 61% Down



# MLS5-I1/D2

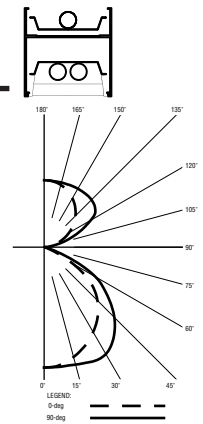
## Indirect/Direct - T8 Lamps Semi-Specular Aluminum Parabolic Baffle

**Catalog Number:** MLS5-I1/D2-4-X-OP/PB-F01M-120-T8  
**Report Number:** ITL#78305.ies

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

**Lamps:** Three F032T8/835  
Rated at 2950 Lumens Each

Total Luminaire Efficiency = 72.0%  
44% Up 56% Down



# MLS5-I1/D2

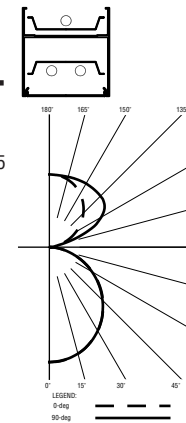
## Indirect/Direct - T5 Lamps Translucent White Acrylic Lens

**Catalog Number:** MLS5-I1/D2-4-X-OP/TWA-F01M-120-T5  
**Report Number:** ITL#78292.ies

**Luminaire Description:** Extruded Aluminum Housing with White Aluminum Reflector Up and Open Top, and White Aluminum Reflector Down and Translucent White Acrylic Lens

**Lamps:** Three FP28T5/841/ECO  
Rated at 2600 Lumens Each

Total Luminaire Efficiency = 67.8%  
45% Up 55% Down



# MLS5-I1/D2

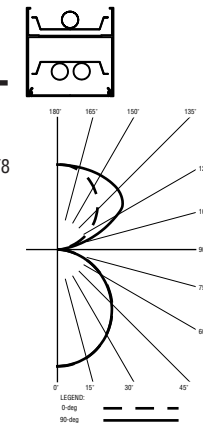
## Indirect/Direct - T8 Lamps Translucent White Acrylic Lens

**Catalog Number:** MLS5-I1/D2-4-X-OP/TWA-F01M-120-T8  
**Report Number:** ITL#78304.ies

**Luminaire Description:** Extruded Aluminum Housing with White Aluminum Reflector Up and Open Top, and White Aluminum Reflector Down and Translucent White Acrylic Lens

**Lamps:** Three F032T8/835  
Rated at 2950 Lumens Each

Total Luminaire Efficiency = 65.2%  
48% Up 52% Down



# MLS5-I2/D1

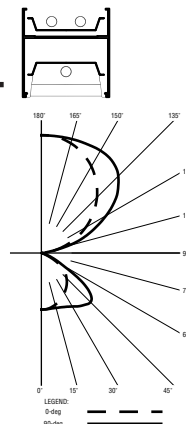
## Indirect/Direct - T5 Lamps Semi-Specular Aluminum Parabolic Baffle

**Catalog Number:** MLS5-I2/D1-4-X-OP/PB-F01M-120-T5  
**Report Number:** ITL#78295.ies

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

**Lamps:** Three F28T5/841/ECO  
Rated at 2600 Lumens Each

Total Luminaire Efficiency = 88.9%  
71% Up 29% Down



# MLS5-I2/D1

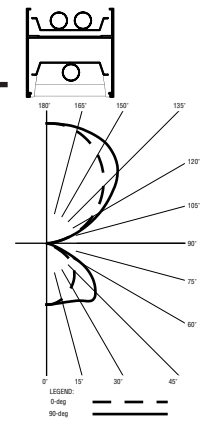
## Indirect/Direct - T8 Lamps Semi-Specular Aluminum Parabolic Baffle

**Catalog Number:** MLS5-I2/D1-4-X-OP/PB-F01M-120-T8  
**Report Number:** ITL#78307.ies

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

**Lamps:** Three F032T8/835  
Rated at 2950 Lumens Each

Total Luminaire Efficiency = 77.9%  
68% Up 32% Down



# MLS5-I2/D1

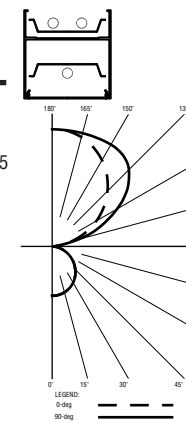
## Indirect/Direct - T5 Lamps Translucent White Acrylic Lens

**Catalog Number:** MLS5-I2/D1-4-X-OP/TWA-F01M-120-T5  
**Report Number:** ITL#78294.ies

**Luminaire Description:** Extruded Aluminum Housing with White Aluminum Reflector Up and Open Top, and White Aluminum Reflector Down and Translucent White Acrylic Lens

**Lamps:** Three F28T5/841/ECO  
Rated at 2600 Lumens Each

Total Luminaire Efficiency = 84.9%  
74% Up 26% Down



# MLS5-I2/D1

## Indirect/Direct - T8 Lamps Translucent White Acrylic Lens

**Catalog Number:** MLS5-I2/D1-4-X-OP/TWA-F01M-120-T8  
**Report Number:** ITL#78306.ies

**Luminaire Description:** Extruded Aluminum Housing with White Aluminum Reflector Up and Open Top, and White Aluminum Reflector Down and Translucent White Acrylic Lens

**Lamps:** Three F032T8/835  
Rated at 2950 Lumens Each

Total Luminaire Efficiency = 73.7%  
71% Up 29% Down

