

# Microlinea™ Suspended Series 2-LED



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

### Housing

One-piece .070" thick extruded aluminum. Die-cast aluminum end caps are secured with no visible fasteners. Standard lengths are nominal 2', 3', 4', 6', 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

- (FDC) Frosted 100% polycarbonate dust cover - Standard Distribution
- (WSOP) Wide-Spread Optic/W.S. Dist. - Open Top
- (WSDC) Wide-Spread Optic/W.S. Distribution - Clear 100% polycarbonate dust cover

### Direct Optical Controls

(LOH) .090" thick, high transmittance extruded acrylic snap-in lens, formulated for maximum diffusion of the LED light source.

### Reflector/Heat Sink

- Indirect - .040" thick die-formed aluminum finished with a high reflectance white enamel.
- Direct - .040" thick die-formed aluminum finished with a high reflectance white enamel.

### Integral Controls

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

### Circuitry

All fixtures are factory pre-wired for a single circuit. Provision for multiple switching/circuiting is optional.

### Driver (Standard)

Osram-Sylvania "Optotronic" power supply is UL/CUL recognized, 0-10V dimming available, 120-277 universal voltage. 347V is available.

### Light Engine (Standard)

LED light source available for 3000K, 3500K, and 4000K CCT, in high and medium light outputs, and 80 or 90 CRI:

**HO/HO** -High Output (Up/Dn) - Frosted Dust Cover

\*6657 Total Del'd Lms. at 55 System Watts

**HO/HO** -High Output (Up/Dn) - W.S. Optic/Open Top

\*6911 Total Del'd Lms. at 55 System Watts

**MO/MO** -Medium Output (Up/Dn) - Frosted Dust Cover

\*4549 Total Del'd Lms. at 37 System Watts

**MO/MO** -Medium Output (Up/Dn) - W.S. Optic/Open Top

\*4722 Total Del'd Lms. at 37 System Watts

(\*All values per 4' using 4000K LED modules)

### Driver (Tunable White)

EldoLED power supply is UL recognized, DALI or DMX available, 120-277 universal voltage.

### Light Engine (Tunable White)

Tunable White LED light source available for 2700K thru 6500K CCT, and 80 or 90 CRI. Contact factory for available outputs.

\*Due to continued advancement in LED technology, lumen performance is subject to change. Please visit our website for the most up-to-date information.

### Wiring

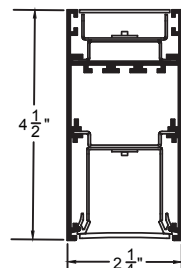
All fixtures intended for continuous rows are provided with factory installed quick-connect wiring.

### Certification

All fixtures are ETL listed for use in 'Dry or Damp Locations'.

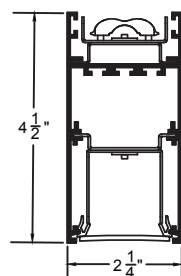
## MLS2-I/D-LED

2 1/4" x 4 1/2" Indirect/Direct  
Suspended Mount



MLS2-I/D-HO/HO-FDC/LOH  
MLS2-I/D-MO/MO-FDC/LOH

Shown with optional Frosted Dust Cover



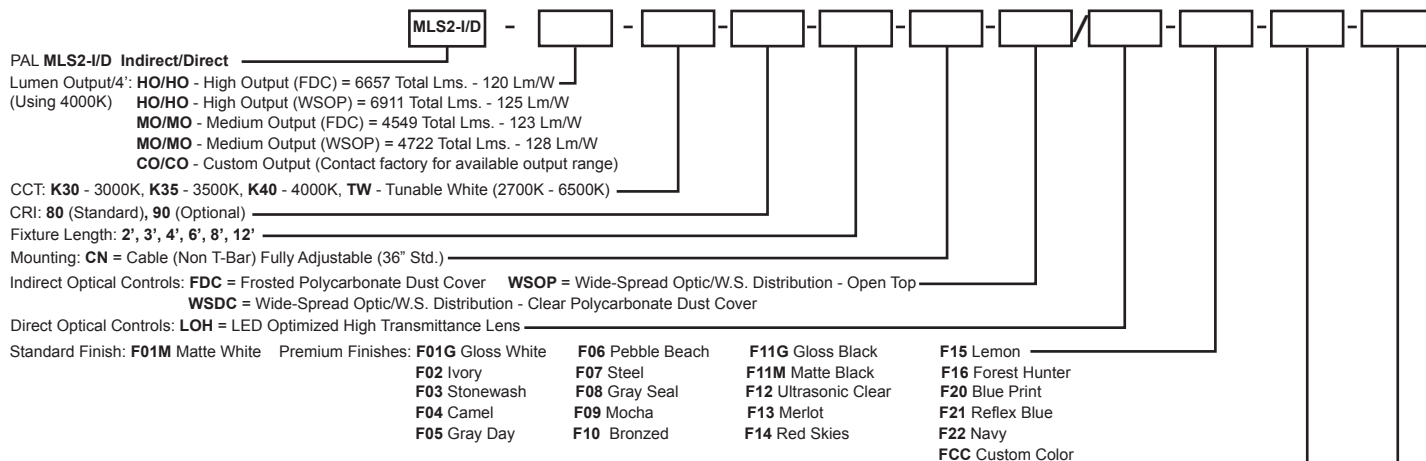
MLS2-I/D-HO/HO-WSOP/LOH  
MLS2-I/D-MO/MO-WSOP/LOH



Wide-Spread Optic

The WS optic is a precisely designed, optical-grade acrylic LED-refraction system. Engineered for superior ceiling uniformity, it provides a more comfortable illuminated space while reducing energy requirements.

Sample Catalog Number: **MLS2-I/D - HO/HO - K40 - 80 - 4 - CN - WSOP/LOH - F01M - 120 - DIM10**



Voltage: **120V**, **277V**, **347V** or **UNV** (Universal Voltage)

Options: **SS(U/L)** = (Upper/Lower) LED Row Separate Switching (Common Neutral) **NLCKT** = Night-Light Circuit (Common Neutral)

**EMCKT** = Emergency Circuit (Separate Hot & Neutral) **EBPL** = Emergency Battery Pack (6 Watt) \*N/A for 2' & 3'

**DIM10** = Dimming to 10% **DIM1** = Dimming - to 1% **DIM0** = Dimming - to 0% (Dark) **FS** = Fused Drivers **GTD** = Generator Transfer Device **DL** = Damp Location



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# Suspended - Indirect/Direct

## MLS2-I/D-HO/HO-K40-FDC/LOH



Indirect/Direct - High Output Up & Down

### Frosted Dust Cover Up/LED Optimized Lens Down

**Catalog Number:** MLS2-I/D-HO/HO-K40-80-4'-X-FDC/LOH-120

**Report Number:** #LLIA000844-007-R01.ies

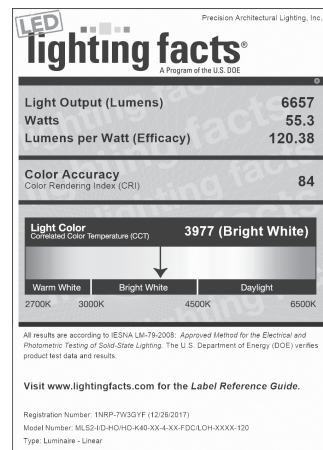
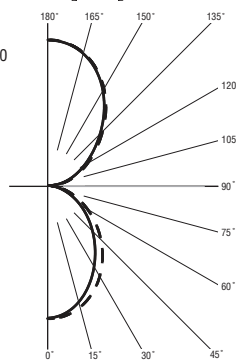
**Luminaire Description:** Extruded Aluminum Housing with White Alum. Reflectors, Frosted Dust Cover Up and LED Optimized Lens Down

**LED Module:** Multiple White Low-Power Light Emitting Diodes (LEDs) in a precise lay-out.

Total Luminaire Efficacy = 120.4 Lm/W

Color Rendering Index (CRI) = 84

53% Up 47% Down



## MLS2-I/D-MO/MO-K40-FDC/LOH



Indirect/Direct - Medium Output Up & Down

### Frosted Dust Cover Up/LED Optimized Lens Down

**Catalog Number:** MLS2-I/D-MO/MO-K40-80-4'-X-FDC/LOH-120

**Report Number:** #LLIA000844-008-R01.ies

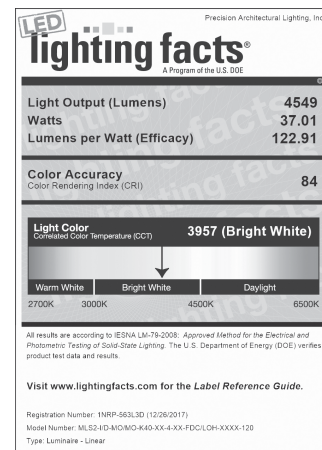
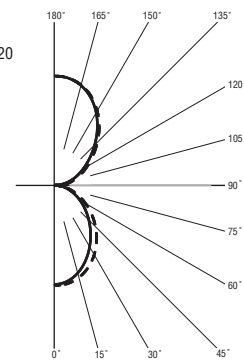
**Luminaire Description:** Extruded Aluminum Housing with White Alum. Reflectors, Frosted Dust Cover Up and LED Optimized Lens Down

**LED Module:** Multiple White Low-Power Light Emitting Diodes (LEDs) in a precise lay-out.

Total Luminaire Efficacy = 122.9 Lm/W

Color Rendering Index (CRI) = 84

53% Up 47% Down



## MLS2-I/D-HO/HO-K40-WSOP/LOH



Indirect/Direct - High Output Up & Down

### Wide-Spread Dist. - Open Up/LED Optimized Lens Down

**Catalog Number:** MLS2-I/D-HO/HO-K40-80-4'-X-WSOP/LOH-120

**Report Number:** #LLIA000844-003-R01.ies

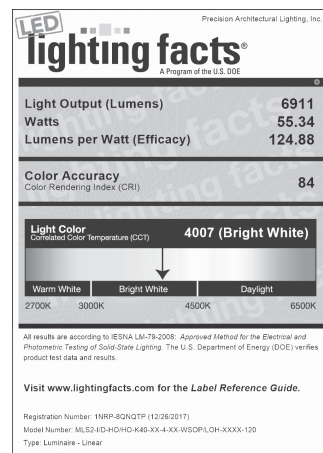
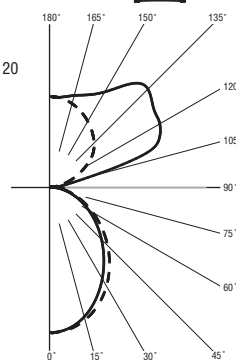
**Luminaire Description:** Extruded Aluminum Housing with White Alum. Reflectors, Acrylic W.S. Insert Up, and LED Optimized Lens Down

**LED Module:** Multiple White Low-Power Light Emitting Diodes (LEDs) in a precise lay-out.

Total Luminaire Efficacy = 124.9 Lm/W

Color Rendering Index (CRI) = 84

55% Up 45% Down



## MLS2-I/D-MO/MO-K40-WSOP/LOH



Indirect/Direct - Medium Output Up & Down

### Wide-Spread Dist. - Open Up/LED Optimized Lens Down

**Catalog Number:** MLS2-I/D-MO/MO-K40-80-4'-X-WSOP/LOH-120

**Report Number:** #LLIA000844-004-R01.ies

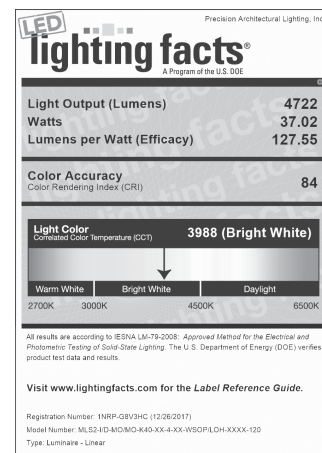
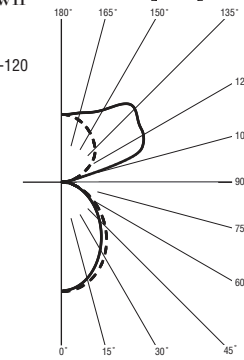
**Luminaire Description:** Extruded Aluminum Housing with White Alum. Reflectors, Acrylic W.S. Insert Up, and LED Optimized Lens Down

**LED Module:** Multiple White Low-Power Light Emitting Diodes (LEDs) in a precise lay-out.

Total Luminaire Efficacy = 127.6 Lm/W

Color Rendering Index (CRI) = 84

55% Up 45% Down



For more information, visit our website at [www.pal-lighting.com](http://www.pal-lighting.com)



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