# Microlinea<sup>™</sup> Suspended Series 3 -

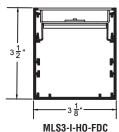
(2 7/8" Luminous Aperture)



# MLS3-I-LED

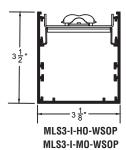
3 1/8" X 3 1/2" Indirect Only Suspended Mount





MLS3-I-MO-FDC

Shown with optional Frosted Dust Cover





Wide-Spread Optic

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

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### Housing

One-piece .080" 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 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. Distribution -Open Top.
- (WSDC) Wide-Spre ad Optic/W.S. Distribution -Clear 100% polycarbonate dust cover

### Reflector/Heat Sink

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

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

### **Integral Controls**

Contact factory for daylight and/or occupancy sensor controls.

### Wiring

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

Standard Finish: F01M Matte White Premium Finishes: F01G Gloss White

### 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)

Osram-Sylvania LED modules available for 3000K, 3500K, and 4000K CCT, in high and medium standard light outputs:

HO-High Output (Frosted Dust Cover)

\*3600 Total Delivered Lms. at 28 System Watts

HO-High Output (Wide-Spread Optic/Open Top) \*3817 Total Delivered Lms. at 28 System Watts

MO-Medium Output (Frosted Dust Cover)

\*2277 Total Delivered Lms. at 17 System Watts

MO-Medium Output (Wide-Spread Optic/Open Top) \*2408 Total Delivered Lms. at 17 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.

### Certification

Fixtures are ETL listed for use in 'Dry or Damp Applications.' Conforms to UL Standard #1598 and to CAN/CSA #C22.2No.250.0.

Sample Catalog Number: MLS3-I - HO - K40 -CN - WSOP - F01M - 120 - DIM1 - OPTIONS PAL MLS3-I Indirect Only Lumen Output/4': HO- High Output (FDC) = 3600 Total Lms. - 128 Lm/W -(Using 4000K) HO- High Output (WSOP) = 3817 Total Lms. - 135 Lm/W MO - Medium Output (FDC) = 2277 Total Lms. - 132 Lm/W MO - Medium Output (WSOP) = 2408 Total Lms. - 140 Lm/W CO - Custom Output (Contact factory for available output range) CCT: K30 - 3000K, K35 - 3500K, K40 - 4000K, TW - Tunable White (2700K-6500K) Fixture Length: 2', 3', 4', 6', 8', 12' Mounting: CN = Cable (Non T-Bar) Fully Adjustable (36" Std.) -Indirect Optical Controls: FDC = Frosted Polycarbonate Dust Cover WSOP = Wide-Spread Optic - Open Top WSDC = Wide-Spread Optic - Clear Polycarbonate Dust Cover

F11G Gloss Black

F11M Matte Black

F13 Merlot

F14 Red Skies

F12 Ultrasonic Clear

F15 Lemon

F20 Blue Print

F21 Reflex Blue F22 Navv

F16 Forest Hunter

F05 Gray Day FCC Custom Color Voltage: 120V, 277V, 347V or UNV (Universal Voltage)

F03 Stonewash

F02 Ivory

F04 Camel

Dimming: DIM1 = Standard Driver with Available Dimming - 100% to 1% DIM0 = Optional Driver with Available Dimming - 100% to 0% (Dark) Options: NLCKT = Night-Light Circuit (Common Neutral) EMCKT = Emergency Circuit (Sep. Hot & Neutral) EBPHST = Self-Test Emergency Battery Pack (10 Watt) \*N/A for 2' & 3' FS = Fused Drivers GTD = Generator Transfer Device

F06 Pebble Beach

F08 Gray Seal

F07 Steel

F09 Mocha

F10 Bronzed

# Suspended - Indirect

# MLS3 - I - HO - K40 - FDC

Indirect - High Output

### Frosted Polycarbonate Dust Cover

MLS3-I-H0-K40-4'-X-FDC-120 Catalog Number: Report Number: #LLIA000849-001-R01.ies

Luminaire Description: Extruded Aluminum Housing with

White Aluminum Reflector and Frosted

Polycarbonate Dust Cover Up Multiple White Low-Power Light LED Module:

Emitting Diodes (LEDs) in a precise

Total Luminaire Efficacy = 127.7 Lm/W Color Rendering Index (CRI) = 83 100% Up



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# MLS3 - I - MO - K40 - FDC

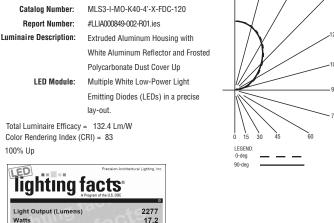
Indirect - Medium Output

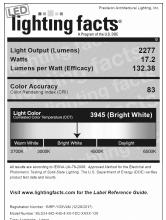
### Frosted Polycarbonate Dust Cover

Catalog Number: Report Number: #LLIA000849-002-R01.ies

Total Luminaire Efficacy = 132.4 Lm/W Color Rendering Index (CRI) = 83

100% Up





# MLS3-I-HO-K40-WSOP

Indirect - High Output

### Wide-Spread Optic/Distribution - Open Top

Catalog Number: MLS3-I-H0-K40-4'-X-WS0P-120 #LLIA000762-001-R03.ies Report Number:

Luminaire Description: Extruded Aluminum Housing with

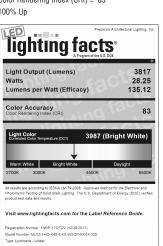
White Aluminum Reflector and Acrylic

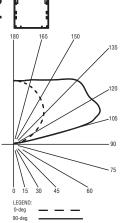
Optical 'Wide-Spread' Insert

LED Module: Multiple White Low-Power Light

Emitting Diodes (LEDs) in a precise

Total Luminaire Efficacy = 135.1 Lm/W Color Rendering Index (CRI) = 83





# MLS3-I-MO-K40-WSOP

### Indirect - Medium Output

### Wide-Spread Optic/Distribution - Open Top

Catalog Number: MI S3-I-MO-K40-4'-X-WSOP-120

#LLIA000762-002-R01.ies Report Number:

Luminaire Description: Extruded Aluminum Housing with

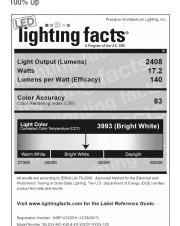
White Aluminum Reflector and Acrylic

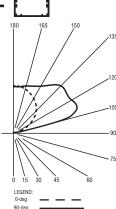
Optical 'Wide-Spread' Insert

LED Module: Multiple White Low-Power Light

Emitting Diodes (LEDs) in a precise

Total Luminaire Efficacy = 140.0 Lm/W Color Rendering Index (CRI) = 83





For more information, visit our website at www.pal-lighting.com



