Microlinea[™]Suspended Series 3-LED

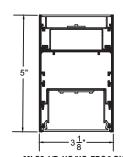
Catalog Number Project Name



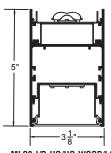
MLS3-I/D-LED

3 1/8"x 5" Indirect/Direct Suspended Mount





MLS3-I/D-HO/HO-FDC/LOH MLS3-I/D-MO/MO-FDC/LOH Shown with optional Frosted Dust Cover



MLS3-I/D-HO/HO-WSOP/LOH MLS3-I/D-MO/MO-WSOP/LOH



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.

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 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 Control

(LOH) .070" 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.

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.

Wiring

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

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 light outputs:

HO/HO -High Output (Up/Dn) - Frosted Dust Cover *6496 Total Del'd Lms. at 57 System Watts

HO/HO -High Output (Up/Dn) - W.S. Optic/Open Top *6737 Total Del'd Lms. at 57 System Watts

MO/MO -Medium Output (Up/Dn) - Frosted Dust Cover *4117 Total Del'd Lms. at 35 System Watts

MO/MO -Medium Output (Up/Dn) - W.S. Optic/Open Top *4283 Total Del'd Lms. at 35 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 in formation.

Certification

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

- WSOP/LOH - F01M - 120 - DIM10 Sample Catalog Number: MLS3-I/D - HO/HO - K40 -4 - CN MLS3-I/D PAL MLS3-I/D Indirect/Direct Lumen Output/4': HO/HO - High Output (FDC) = 6496 Total Lms. - 114 Lm/W HO/HO - High Output (WSOP) = 6737 Total Lms. - 118 Lm/W MO/MO - Medium Output (FDC) = 4117 Total Lms. - 119 Lm/W

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/W.S. Distribution - Open Top-

MO/MO - Medium Output (WSOP) = 4283 Total Lms. - 123 Lm/W CO/CO - Custom Output (Contact factory for available output range)

Direct Optical Controls: LOH = LED Optimized High Transmittance Lens

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

CCT: K30 - 3000K, K35 - 3500K, K40 - 4000K, TW - Tunable White (2700K - 6500K)

F02 Ivory F03 Stonewash F04 Camel F05 Gray Day

WSDC = Wide-Spread Optic/W.S. Distribution - Clear Polycarbonate Dust Cover

F06 Pebble Beach F07 Steel F08 Gray Seal F09 Mocha

F10 Bronzed

F11G Gloss Black F11M Matte Black F12 Ultrasonic Clear F13 Merlot F14 Red Skies

F15 Lemon F20 Blue Print

F16 Forest Hunter F21 Reflex Blue F22 Navy FCC Custom Color

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' EBPH = Emergency Battery Pack (10 Watt) *N/A for 2' & 3' DIM1 = Dimming to 10% DIM1 = Dimming - to 1% DIM0 = Dimming - to 0% (Dark) FS = Fused Drivers GTD = Generator Transfer Device DL = Damp Location





Suspended - Indirect/Direct

MLS3-I/D-HO/HO-K40-FDC/LOH

Indirect/Direct - High Output Up & Down

Frosted Dust Cover Up/LED Optimized Lens Down

MLS3-I/D-H0/H0-K40-4'-X-FDC/L0H-120 Catalog Number:

Report Number: #LLIA000849-003-R02.ies

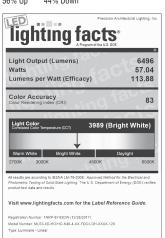
Luminaire Description: Extruded Aluminum Housing with

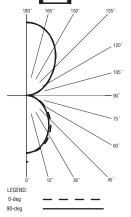
> White Alum. Reflectors, Frosted Dust Cover Up, and LED Optimized Lens Down

Multiple White Low-Power Light

Emitting Diodes (LEDs) in a precise

Total Luminaire Efficacy = 114.0 Lm/W Color Rendering Index (CRI) = 83 56% Un 44% Down





MLS3-I/D-HO/HO-K40-WSOP/LOH

Indirect/Direct - High Output Up & Down

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

Catalog Number: MLS3-I/D-H0/H0-K40-4'-X-WS0P/L0H-120

Report Number: #LLIA000762-003-R01.ies

Luminaire Description: Extruded Aluminum Housing with

White Alum. Reflectors, Acrylic W.S. Optic Up, and LED Optimized Lens Down

LED Module: Multiple White Low-Power Light

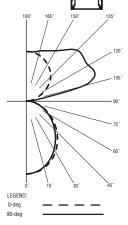
Emitting Diodes (LEDs) in a precise

lav-out

Total Luminaire Efficacy = 118.1 Lm/W Color Rendering Index (CRI) = 83

43% Down





MLS3-I/D-MO/MO-K40-FDC/LO

Indirect/Direct - Medium Output Up & Down

Frosted Dust Cover Up/LED Optimized Lens Down

Catalog Number: MLS3-I/D-MO/MO-K40-4'-X-FDC/LOH-120

Report Number: #LLIA000849-004-R01.ies

Luminaire Description: Extruded Aluminum Housing with

White Alum. Reflectors, Frosted Dust

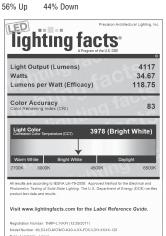
Cover Up, and LED Optimized Lens Down

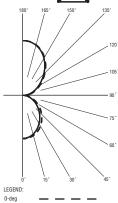
Multiple White Low-Power Light Emitting Diodes (LEDs) in a precise

Total Luminaire Efficacy = 118.7 Lm/W Color Rendering Index (CRI) = 83

44% Down

LED Module:





MLS3-I/D-MO/MO-K40-WSOP/LOH

Indirect/Direct - Medium Output Up & Down

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

MLS3-I/D-MO/MO-K40-4'-X-WSOP/LOH-120 Catalog Number:

#LLIA000762-006-R01.ies Report Number:

Extruded Aluminum Housing with Luminaire Description:

White Alum. Reflectors, Acrylic W.S.

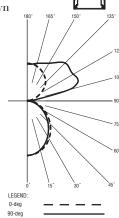
Optic Up, and LED Optimized Lens Down

LED Module: Multiple White Low-Power Light

Emitting Diodes (LEDs) in a precise

Total Luminaire Efficacy = 123.4 Lm/W Color Rendering Index (CRI) = 83





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



