Microlinea[™] Suspended Series 3 - Indirect/Direct







MLS3-I/D

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

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 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 power 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) .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.

Driver (Standard)

Power supply is UL/CUL recognized, 0-10V dimming available, 120-277 universal voltage. Consult factory for 347V.

Driver (Tunable White)

EldoLED power supply is UL recognized, DALI, 0-10V, or DMX available, 120-277 universal voltage.

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 (DLC Listed) *6496 Total Del'd Lms. at 57 System Watts

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

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

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

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

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 Please visit our website for the most up-to-date information.

Integral Control

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

Circuitry

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

wiring

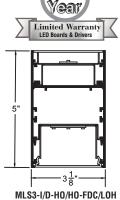
All fixtures intended for continuous rows are provided with factory installed quick-connect wiring.

Controls

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

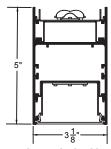
Certification

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



MLS3-I/D-MO/MO-FDC/LOH

Shown with optional Frosted Dust Cover

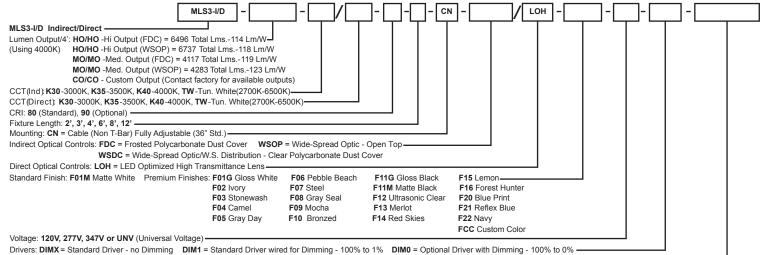


MLS3-I/D-HO/HO-WSOP/LOH MLS3-I/D-MO/MO-WSOP/LOH



The WS optic is a precisely designed, 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: MLS3-I/D - HO/HO - K40 / K40 - 80 - 4 - CN - WSOP / LOH - F01M - 120 - DIM1 - OPTIONS



Options: SS(U/L) = (Upper/Lower) LED Row Sep. Switching (Common Neutral) NLCKT = Night-Light Circuit (Common Neutral) EBPHST = Self-Testing Battery Pack (10Watt) *N/A for 2' & 3'

EMCKT = Emergency Circuit (Separate Hot & Neutral) DALI = DALI Protocol Driver (Tun. White) DMX = DMX Protocol Driver (Tun. White) 0-10V/TW = 0-10V Driver (Tun. White)

FS = Fused Drivers GTD = Generator Transfer Device



Suspended - Indirect/Direct

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

Indirect/Direct - High Output Up & Down

Frosted Dust Cover Up/LED Optimized Lens Down

Catalog Number: MLS3-I/D-H0/H0-K40/K40-80-4'-X-FDC/L0H-120

Report Number: #LLIA000849-003-R02.ies

Luminaire Description: Extruded Aluminum Housing with

White Alum. Reflectors, Frosted Dust

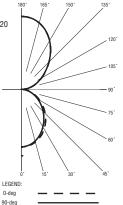
Cover Up, and LED Optimized Lens Down **LED Module:** Multiple White Low-Power Light

Emitting Diodes (LEDs) in a precise

lay-out.

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







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

Indirect/Direct - Medium Output Up & Down

Frosted Dust Cover Up/LED Optimized Lens Down

Catalog Number: MLS3-I/D-MO/MO-K40/K40-80-4'-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

LED Module: Multiple White Low-Power Light

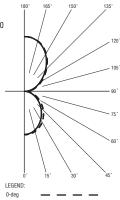
Emitting Diodes (LEDs) in a precise

Total Luminaire Efficacy = 118.7 Lm/W

Color Rendering Index (CRI) = 83

56% Up 44% Down







MLS3-I/D-HO/HO-K40/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/K40-80-4'-X-WS0P/L0H-120

Report Number: #LLIA000762-003-R01.ies

Luminaire Description: Extruded Aluminum Housing with

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

Multiple White Low-Power Light

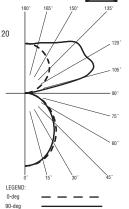
Emitting Diodes (LEDs) in a precise

lay-out.

Total Luminaire Efficacy = 118.1 Lm/W Color Rendering Index (CRI) = 83 57% Up 43% Down

LED Module:







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

Indirect/Direct - Medium Output Up & Down

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

Catalog Number: MLS3-I/D-MO/MO-K40/K40-80-4'-X-WSOP/LOH-120

Report Number: #LLIA000762-006-P01.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

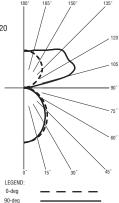
Emitting Diodes (LEDs) in a precise

lav-out.

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

57% Up 43% Down







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



