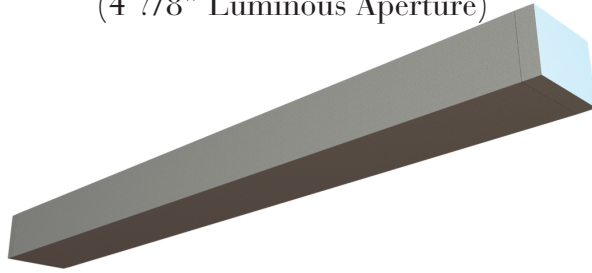


Microlinea™ Suspended Series 5 - Indirect

(4 7/8" Luminous Aperture)



Catalog Number	Type
Project Name	

MLS5-Indirect

5 1/4" X 3 11/16" Indirect Only
Suspended Mount

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 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-Spread Optic/W.S. Distribution - Clear 100% polycarbonate dust cover.

Reflector/Heat Sink

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

Circuitry

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 wiring.

Driver (Standard)

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.

Standard outputs at 80 CRI:

HO -High Output (Frosted Dust Cover)

*4260 Total Delivered Lms. at 33 System Watts

HO -High Output (Wide-Spread Optic/Open Top)

*4524 Total Delivered Lms. at 34 System Watts

MO -Medium Output (Frosted Dust Cover)

*2543 Total Delivered Lms. at 19 System Watts

MO -Medium Output (Wide-Spread Optic/Open Top)

*2693 Total Delivered Lms. at 19 System Watts

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

(*All outputs listed above meet **DLC** certification.)

Driver (Tunable White)

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

Light Engine (Tunable White)

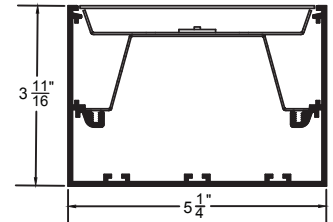
Tunable White LED light source available for 2700K thru 6500K CCT, and 80 or 90 CRI.

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.

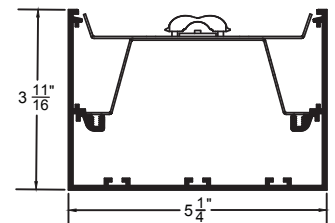
Certification

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



MLS5-I-HO-FDC
MLS5-I-MO-FDC

Shown with optional Frosted Dust Cover



MLS5-I-HO-WSOP
MLS5-I-MO-WSOP



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: **MLS5 - I - HO - K40 - 80 - 4 - CN - WSOP - F01M - 120 - DIM1 - OPTIONS**



Microlinea Suspended Series 5 - Indirect Only

- Lumen Output/4': **HO** - High Output (FDC) = 4260 Total Lms. - 127 Lm/W
HO - High Output (WSOP) = 4524 Total Lms. - 135 Lm/W
MO - Medium Output (FDC) = 2543 Total Lms. - 136 Lm/W
MO - Medium Output (WSOP) = 2693 Total Lms. - 143 Lm/W
CO - Custom Output (Contact factory for available output range)

CCT: **K30** - 3000K, **K35** - 3500K, **K40** - 4000K, **TW** - Tunable White (2700K - 6500K)
 CRI: **80** (Standard) **90** (Optional)

Fixture Length: 2', 3', 4', 6', 8', 12'

For continuous rows of 12' or longer, specify row length in 1' increments.

Mounting: **CN** = Cable (Non T-Bar) Fully Adjustable (36" Std.)

Indirect Optical Controls: **FDC** = Frosted Polycarbonate Dust Cover **WSOP** = Wide-Spread Optic/W.S. Dist. - Open Top

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

- Standard Finish: **F01M** Matte White Premium Finishes: **F01G** Gloss White **F06** Pebble Beach **F11G** Gloss Black **F15** Lemon
F02 Ivory **F07** Steel **F11M** Matte Black **F16** Forest Hunter
F03 Stonewash **F08** Gray Seal **F12** Ultrasonic Clear **F20** Blue Print
F04 Camel **F09** Mocha **F13** Merlot **F21** Reflex Blue
F05 Gray Day **F10** Bronzed **F14** Red Skies **F22** Navy
FCC Custom Color

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

Drivers: **DIMX** = Standard Driver - no Dimming **DIM1** = Standard Driver wired for Dimming - 100% to 1% **DIM0** = Optional Driver with Dimming - 100% to 0%

Options: **NLCKT** = Night-Light Circuit (Common Neutral) **EMCKT** = Emergency Circuit (Sep. Hot & Neutral) **EBPHST** = Self-Test Battery Pack (10 Watt) *N/A for 2' **FS** = Fused Drivers

DALI = DALI Protocol Driver (Tunable White) **DMX** = DMX Protocol Driver (Tunable White) **0-10V/TW** = 0-10V Driver (Tunable White) **GTD** = Generator Transfer Device



Precision Architectural Lighting 4830 Timber Creek Drive Houston, Texas 77017
 Tel 713.946.4343 Fax 713.946.4441 www.pal-lighting.com



Suspended - Indirect

MLS5 - I - HO - K40 - FDC

Indirect - High Output

Frosted Polycarbonate Dust Cover

Catalog Number: MLS5-I-HO-K40-80-4'-X-FDC-120

Report Number: #LLIA000844-013-R01.ies

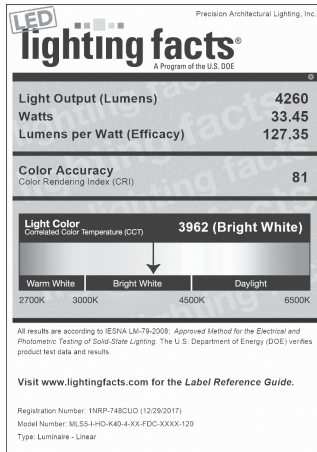
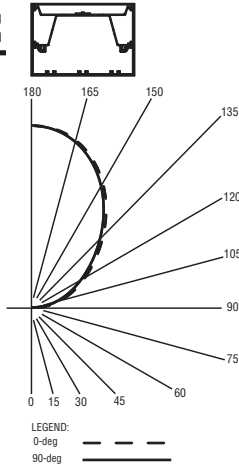
Luminaire Description: Extruded Aluminum Housing with White Aluminum Reflector and Frosted Polycarbonate Dust Cover Up

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

Total Luminaire Efficacy = 127.4 Lm/W

Color Rendering Index (CRI) = 81

100% Up



MLS5 - I - MO - K40 - FDC

Indirect - Medium Output

Frosted Polycarbonate Dust Cover

Catalog Number: MLS5-I-MO-K40-80-4'-X-FDC-120

Report Number: #LLIA000844-014-R01.ies

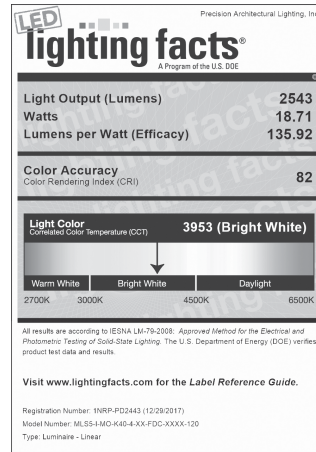
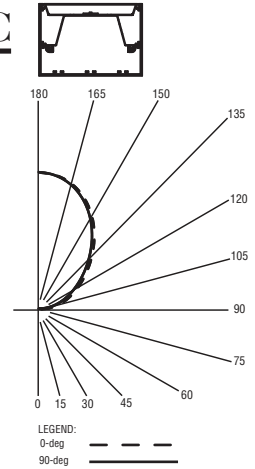
Luminaire Description: Extruded Aluminum Housing with White Aluminum Reflector and Frosted Polycarbonate Dust Cover Up

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

Total Luminaire Efficacy = 136.0 Lm/W

Color Rendering Index (CRI) = 82

100% Up



MLS5 - I - HO - K40 - WSOP

Indirect - High Output

Wide-Spread Optic/Distribution - Open Top

Catalog Number: MLS5-I-HO-K40-80-4'-X-WSOP-120

Report Number: #LLIA000844-009-R01.ies

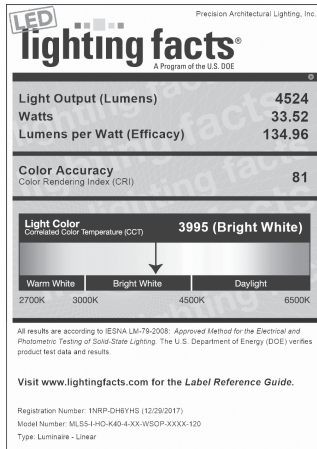
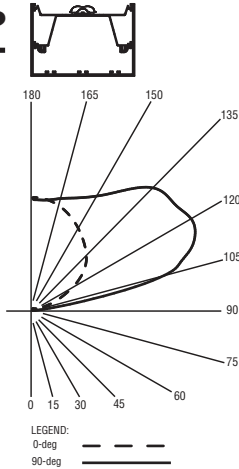
Luminaire Description: Extruded Aluminum Housing with White Aluminum Reflector and Acrylic Optical 'Wide-Spread' Insert

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

Total Luminaire Efficacy = 135.0 Lm/W

Color Rendering Index (CRI) = 81

100% Up



MLS5 - I - MO - K40 - WSOP

Indirect - Medium Output

Wide-Spread Optic/Distribution - Open Top

Catalog Number: MLS5-I-MO-K40-80-4'-X-WSOP-120

Report Number: #LLIA000844-010-R01.ies

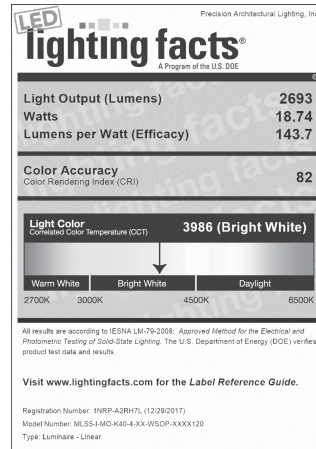
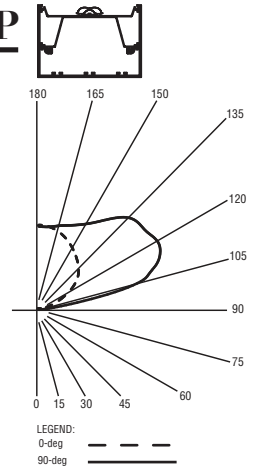
Luminaire Description: Extruded Aluminum Housing with White Aluminum Reflector and Acrylic Optical 'Wide-Spread' Insert

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

Total Luminaire Efficacy = 143.7 Lm/W

Color Rendering Index (CRI) = 82

100% Up



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



Precision Architectural Lighting 4830 Timber Creek Drive Houston, Texas 77017
Tel 713.946.4343 Fax 713.946.4441 www.pal-lighting.com



Made in America