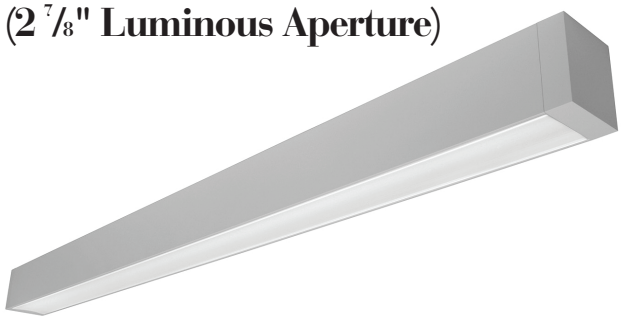
Catalog Number	Type
Project Name	

Microlinea™ Suspended Series 3 - LED

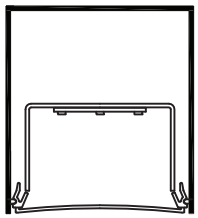
(2 7/8" Luminous Aperture)

MLS3-D-LED

3 1/8" X 3 1/2" Direct



5 Year Limited Warranty LED Boards & Drivers



MLS3-D-HO

MLS3-D-MO

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 powder coat electrostatically applied (2.0 mil minimum thickness) to assure aesthetics and durability. Standard finish for stems and canopies is white.

Optical Control

(LOH) LED optimized high transmittance acrylic snap-in lens.

Reflector/Heat Sink

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

Driver

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

Integral Controls

Contact factory for daylight and/or occupancy sensor controls.

Light Engine

Osram-Sylvania LED modules available for 3000K, 3500K and 4000K CCT:

HO-High Output
*2904 Total Delivered Lms. at 29 System Watts (Values per 4' using 4000K LED modules)

MO-Medium Output
*1842 Total Delivered Lms. at 18 System Watts (Values per 4' using 4000K LED modules)

*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.

Circuitry

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

Certification

All fixtures are ETL listed for use in 'Dry Applications'. 'Damp Location' is optional.

Nominal Lengths:
2', 3', 4', 6', 8' and 12'
For continuous rows of 12' or longer, specify nominal row length in 1' increments.

Series
MLS3-D

Mounting
CN = Cable (Non-Tbar) Fully Adjustable (36" Standard)
P = Rigid Stem (Up to 48" Standard)
K = Swivel Stem (Up to 48" Standard)
J = Ceiling

Voltage
120
277
347
UNV

MLS3-D-HO-K40-4'-CN-LOH-F01M-120-[ ]

Lumen Output
HO - High Output
*2904 Total Lumens - 100 Lm/W
MO - Medium Output (4' increments only)
*1842 Total Lumens - 105 Lm/W
*Lumen ratings per 4' section (4000K)

CCT
K30 3000 Kelvin
K35 3500 Kelvin
K40 4000 Kelvin

Optical Control
LOH LED Optimized High Transmittance Lens

Standard Finishes
F01M Matte White

Premium Finishes
F01G Gloss White
F02 Ivory
F03 Stonewash
F04 Camel
F05 Gray Day
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
F16 Forest Hunter
F20 Blue Print
F21 Reflex Blue
F22 Navy
FCC Custom Color

Options
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'
Dim10 Dimming - to 10%
Dim1 Dimming - to 1%
Dim0 Dimming - to 0% (Dark)
FS Fused Drivers
GTD Generator Transfer Device
DL Damp Location

PAL 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

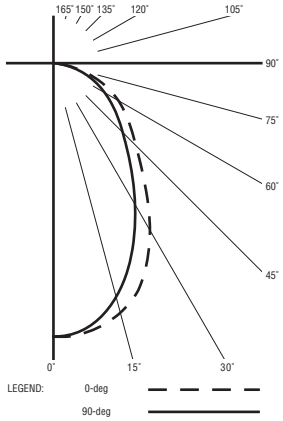
Suspended
MLS3-HO-K40-LOH

High Output

LED Optimized High Transmittance Lens

Catalog Number: MLS3-HO-K40-4'-X-LOH-120
Report Number: #LLIA000773-001.ies
Luminaire Description: Extruded Aluminum Housing with White Aluminum Reflector and LED Optimized Acrylic Lens.
LED Module: Multiple White Low-Power Light Emitting Diodes (LEDs) in a precise layout.

Total Luminaire Efficacy = 100.2 Lm/W
0% Up 100% Down
Color Rendering Index (CRI) = 83

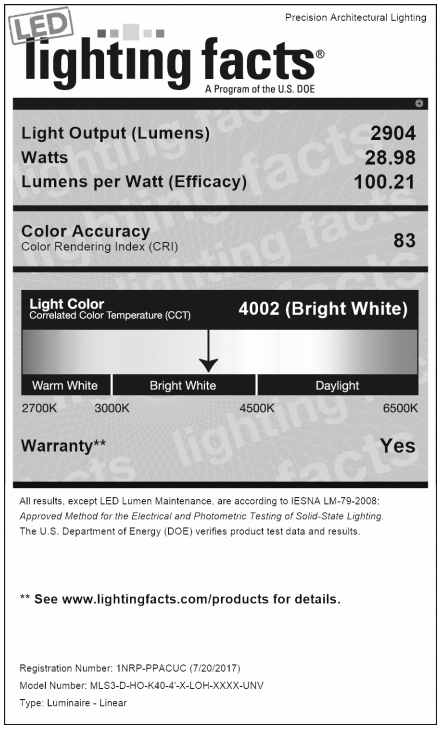


ZONAL LUMEN SUMMARY

Zone	Lumens	%Fixture
0- 30	892	30.7
0- 40	1417	48.8
0- 60	2363	81.4
0- 90	2904	100.0
90- 180	0	0.0
0- 180	2904	100.0

CANDELA DISTRIBUTION

	0.0	22.5	45.0	67.5	90.0
0	1205	1205	1205	1205	1205
5	1197	1192	1201	1198	1192
15	1135	1129	1132	1124	1117
25	1024	1013	1005	991	982
35	867	854	843	822	814
45	690	679	665	643	635
55	509	503	488	468	461
65	335	333	318	305	300
75	173	173	165	159	156
85	47	46	44	41	40
90	0	0	0	0	0



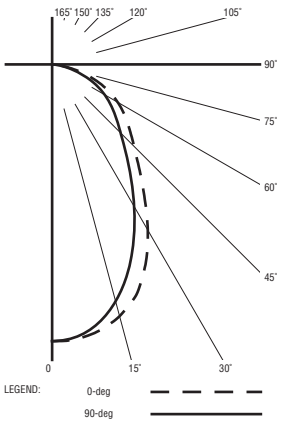
MLS3-MO-K40-LOH

Medium Output

LED Optimized High Transmittance Lens

Catalog Number: MLS3-MO-K40-4'-X-LOH-120
Report Number: #LLIA000773-002.ies
Luminaire Description: Extruded Aluminum Housing with White Aluminum Reflector and LED Optimized Acrylic Lens.
LED Module: Multiple White Low-Power Light Emitting Diodes (LEDs) in a precise layout.

Total Luminaire Efficacy = 104.8 Lm/W
0% Up 100% Down
Color Rendering Index (CRI) = 83

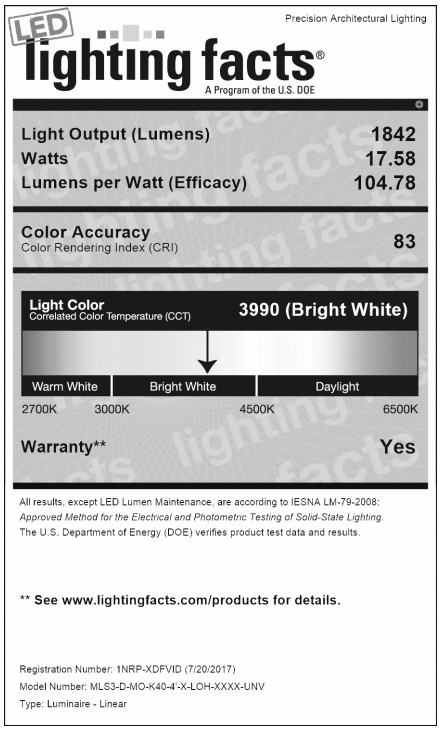


ZONAL LUMEN SUMMARY

Zone	Lumens	%Fixture
0- 30	568	30.8
0- 40	902	49.0
0- 60	1501	81.5
0- 90	1842	100.0
90- 180	0	0.0
0- 180	1842	100.0

CANDELA DISTRIBUTION

	0.0	22.5	45.0	67.5	90.0
0	768	768	768	768	768
5	763	760	766	764	760
15	724	720	721	716	711
25	653	646	640	630	625
35	552	544	536	522	516
45	439	431	422	407	402
55	323	319	309	295	291
65	212	211	201	192	189
75	110	109	104	100	98
85	30	29	28	26	25
90	0	0	0	0	0



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

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Made in America