# Microlinea<sup>™</sup> Direct Wall Mount Series 5 - LED

(4 7/8" Luminous Aperture)

Catalog Number	Туре
Project Name	

# MLP5-D-LED

5 1/4" X 3 11/16" Direct Wall Mount



# S P E C I F I C A T I

## 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 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.

#### **Optical Controls**

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

#### 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.

#### Wiring

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

## Integral Controls

Contact factory for daylight and/or occupancy sensor controls.

Sample Catalog Number: MLP5-D -

### Driver (Standard)

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

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#### Light Engine (Standard)

LED light source available standard for 3000K, 3500K and 4000K CCT, in high and medium light outputs, and 80 or 90 CRI. Standard outputs:

## HO-High Output

\*3598 Total Delivered Lms. at 41 System Watts

## MO-Medium Output

\*2130 Total Delivered Lms. at 23 System Watts (\*All values per 4' using 4000K LED modules)

#### **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

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

HO





MLP5-D-HO MLP5-D-MO

W - LOH - F01M - 120 - DIM10

MLP5-D PAL MLP5-D Direct Only Lumen Output / 4': HO - High Output = 3598 Total Lms. - 88 Lm/W MO - Medium Output = 2130 Total Lms. - 95 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 Lengths: 2', 3', 4', 6', 8' and 12' Mounting: W = Wall -Direct Optical Control: LOH = LED Optimized Acrylic Snap-in Lens Standard Finish: F01M Matte White Premium Finishes: F01G Gloss White F08 Grav Seal F14 Red Skies F09 Mocha F15 Lemon F02 Ivory F03 Stonewash F10 Bronzed F16 Forest Hunter F04 Camel F11G Gloss Black F20 Blue Print F05 Gray Day F11M Matte Black F21 Reflex Blue F06 Pebble Beach F12 Ultrasonic Clear F22 Navy F07 Steel F13 Merlot FCC Custom Color Voltage: 120V, 277V, 347V or UNV (Universal Voltage)

K40 - 80





# Wall

# MLP5-D-HO-K40-LOH



## Direct - High Output

#### **LED Optimized High Transmittance Lens**

Catalog Number: MLP5-D-H0-K40-80-4'-X-L0H-120

Report Number: UL#1094333.ies

 $\begin{tabular}{ll} \textbf{Luminaire Description:} & Extruded Aluminum Housing with \\ \end{tabular}$ 

White Aluminum Reflector and LED

Optimized Acrylic Lens.

LED Module: Multiple White Low-Power Light

Emitting Diodes (LEDs) in a uniform

grid pattern.

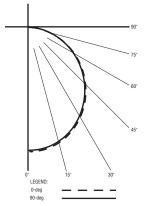
Total Luminaire Efficacy = 88.2 Lm/W

0% Up 100% Down

Color Rendering Index (CRI) = 83

#### ZONAL LUMEN SUMMARY

Zone		Lumens	%Fixture
0-	40	1630	45.3
0-	60	2563	79.0
0-	90	3598	100.0
90-	180	0	0.0
0-	180	3598	100.0



#### CANDELA DISTRIBUTION

UNINDELA DISTRIBUTION				
0.0	22.5	45.0	67.5	90.0
1308	1308	1308	1308	1308
1315	1299	1295	1302	1300
1261	1246	1243	1249	1247
1158	1143	1142	1146	1144
1016	1001	999	1001	1000
842	831	829	830	828
650	641	639	639	638
444	437	437	438	437
233	232	235	239	239
57	59	64	66	68
0	0	0	0	0
	0.0 1308 1315 1261 1158 1016 842 650 444 233 57	0.0         22.5           1308         1308           1315         1299           1261         1246           1158         1143           1016         1001           842         831           650         641           444         437           233         232           57         59	0.0         22.5         45.0           1308         1308         1308           1315         1299         1295           1261         1246         1243           1158         1143         1142           1016         1001         999           842         831         829           650         641         639           444         437         437           233         232         235           57         59         64	0.0         22.5         45.0         67.5           1308         1308         1308         1308           1315         1299         1295         1302           1261         1246         1243         1249           1158         1143         1142         1146           1016         1001         999         1001           842         831         829         830           650         641         639         639           444         437         437         438           233         232         235         239           57         59         64         66

# Precision Architectural Lighting lighting fac 3598 **Light Output (Lumens)** Watts 40.8 Lumens per Watt (Efficacy) 88.2 Color Accuracy 83 3949 (Bright White) 3000K 4500K 6500K ill results are according to IESNA LM-79-2008: Approved Method for the Electrical and hotometric Testing of Solid-State Lighting. The U.S. Department of Energy (DOE) verifies roduct test data and results. Visit www.lightingfacts.com for the Label Reference Guide. Registration Number: 1NRP-8YIFCW (7/21/2015) Model Number: MLR5-HO-K40-4'-XX-LOH-UNV Type: Luminaire - Troffer/Grid Ceiling

# MLP5-D-MO-K40-LOH

## **Direct - Medium Output**

#### **LED Optimized High Transmittance Lens**

Catalog Number: MLP5-D-M0-K40-80-4'-X-L0H-120

Report Number: UL#1094334.ies

 $\begin{tabular}{ll} \textbf{Luminaire Description:} & Extruded Aluminum Housing with \\ \end{tabular}$ 

White Aluminum Reflector and LED

Optimized Acrylic Lens.

LED Module: Multiple White Low-Power Light

Emitting Diodes (LEDs) in a uniform

grid pattern.

Total Luminaire Efficacy = 94.5 Lm/W

0% Up 100% Down

Color Rendering Index (CRI) = 83

# 0° LEGEND: 15° 30° 0-deg 90-deg

#### **ZONAL LUMEN SUMMARY**

Zone Lumens		Lumens	%Fixture
0-	40	966	45.3
0-	60	1518	79.1
0-	90	2130	100.0
90-	180	0	0.0
0-	180	2130	100.0

#### CANDELA DISTRIBUTION

	0.0	22.5	45.0	67.5	90.0
0	775	775	775	775	775
5	779	770	768	772	771
15	748	739	737	740	739
25	686	678	676	679	678
35	601	593	592	593	592
45	499	492	491	492	490
55	385	379	378	378	377
65	263	259	258	259	258
75	138	137	139	141	141
85	34	35	37	39	40
90	0	0	0	0	0

Light Output (Lumens)

Light Output (Lumens)

Vatts

22.53

Lumens per Watt (Efficacy)

Color Accuracy
Color Rendering Index (CRI)

83

Light Color
Correlated Color Temperature (CCT)

Warm White

Bright White

2700K

3900K

4500K

All results are according to IESNA LM-79-2008: Approved Method for the Electrical and Photometric Testing of Solid-State Lighting. The U.S. Department of Energy (DOE) verifies product test data and results.

Visit www.lightingfacts.com for the Label Reference Guide.

Registration Number: 1NRP-D3F27P (7/21/2015)
Model Number: M.RR-MO-K40-4-XX-L-UH-UNV
Type: Luminsier - Troffer(Fidd Celling)

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



