

Microlinea™ Series 3 Indirect/ Direct Wet Location - IP66

(Overall Width 3-17/32", Luminous Apertures 3-7/32")

Catalog Number

Type

Project Name



B.U.G. Ratings (Backlight / Uplight / Glare)

HO/HO: B1 - U5 - G1
 HO/MO: B1 - U5 - G1
 MO/HO: B1 - U5 - G1
 MO/MO: B1 - U5 - G0

(See Photometric Files for More Information)

ML3WL66-I/D IP66 Rated

Suspended or Wall Mount
Wet Locations

3-17/32" x 5-9/16" Indirect/Direct

S P E C I F I C A T I O N S

Housing

Two-piece .125" thick extruded aluminum. Die-cast aluminum end caps are fully gasketed and secured with no visible fasteners. Standard lengths are nominal 2', 3', 4', 6' and 8'. Provisions may be made for continuous rows of virtually any length.

Internal Construction

All internal mechanical components, including fasteners, are aluminum or stainless steel.

Finish

Standard and custom finishes are baked powder coat electrostatically applied (2.0 mil minimum thickness) to assure aesthetics and durability.

Indirect Optical Controls

- (LOH) .100" thick, high transmittance extruded acrylic lens, for max. diffusion of the LED light source. Lens is gasketed and permanently sealed against dust and water intrusion.
- (VR) Vandal Resistant: .100" thick, high transmittance extruded 100% D.R. acrylic lens with tamper-resistant hardware.

Direct Optical Controls

- (LOH) .100" thick, high transmittance extruded acrylic snap-in lens, for max. diffusion of the LED light source. Lens is gasketed against dust and water intrusion.
- (VR) Vandal Resistant: .100" thick, high transmittance extruded 100% D.R. acrylic lens with tamper-resistant hardware.

Reflector/Heat Sink

- Indirect - .060" thick formed aluminum finished with a high reflectance white enamel.
- Direct - .060" thick formed aluminum finished with a high reflectance white enamel.

Driver

Power supply is UL/CUL recognized 120-277 universal voltage. 347V also available.

Light Engine

LED light source available for 3000K, 3500K and 4000K CCT, in High and Medium outputs.

See below and following page for photometric data: lumen outputs, input power (watts), and efficacies.

Due to continued advancement in LED technology, lumen performance is subject to change. Please visit our website for the most up-to-date information.

Circuitry

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

Wiring

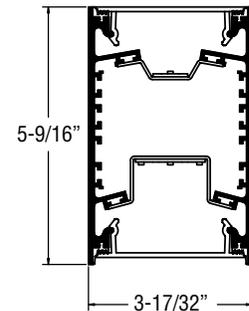
All fixtures intended for continuous rows are provided with factory installed quick-connect wiring.

Mounting

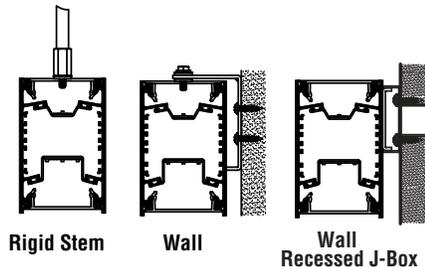
All mounting components are aluminum or stainless steel. Standard finish for wall and ceiling assemblies is matte black. Stem/Canopy assemblies are painted to match fixture housing.

Certifications

Fixtures are ETL listed for use in 'Wet Locations.' Ambient start temperature rated from -30° C up to 50° C, and 0° C up to 50° C with battery back-up. IP-66 rated**



ML3WL66-I/D-MO/MO
 ML3WL66-I/D-MO/HO
 ML3WL66-I/D-HO/MO
 ML3WL66-I/D-HO/HO



**The IP (or Ingress Protection) rating defines the degree of protection for a luminaire from outside elements.

Sample Catalog Number: **ML3WL66-I/D - HO/HO - K40/K40 - 80 - 4 - P - LOH / LOH - F01M - EF - 120 - DIM1 - OPTIONS**



PAL ML3WL66-I/D Wet Location Indirect/Direct

Lumen Output/4': HO/HO -HO(Up)/HO(Dn) = 5616 Total Lms. - 99 Lm/W
 (Using 4000K) HO/MO -HO(Up)/MO(Dn) = 4635 Total Lms. - 101 Lm/W
 MO/HO -MO(Up)/HO(Dn) = 4575 Total Lms. - 99 Lm/W
 MO/MO -MO(Up)/MO(Dn) = 3585 Total Lms. - 103 Lm/W
 CO/CO - Custom Output (Contact factory for available output range)

CCT (Indirect): K30-3000K, K35-3500K, K40-4000K

CCT (Direct): K30-3000K, K35-3500K, K40-4000K

CRI: 80 (Standard)

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

Mounting: P = Rigid Stem Assy (Stems up to 24" Standard) W = Wall WRJ = Wall Mount w/Recessed J-Box

Indirect Optical Controls: LOH = LED Optimized High Transmittance Lens VR = 100% DR Lens w/Tamper-Resist Hardware

Direct Optical Controls: LOH = LED Optimized High Transmittance Lens VR = 100% DR Lens w/Tamper-Resist Hardware

Standard Finish: F01M Matte White F10 Bronzed F11T Textured Black F12 Ultrasonic Clear FCC Custom Color

Power Feed Location: EF = End Feed TF = Top Feed BF = Back Feed (For Wall Mt. with Recess J-Box)

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

Drivers: DIMX = Standard Driver - No Dimming DIM1 = Standard Driver wired for Dimming - 100% to 1%

CWD = Cold Weather Driver -40 Deg C Ambient Temp Rating (Available for High Output Only - 3' or Longer Fixtures. *N/A for 100 - 1% Dimming Option)

Options: EMCKT = Emergency Circuit (Separate Hot & Neutral) EBPHST = Self-Testing Battery Pack (10Watt) *N/A for 2' Fixture, *N/A for 347V FS = Fused Drivers



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Made in America

Suspended/Wall

ML3WL66-I/D-HO/HO-K40-LOH/LOH



High Output Up/High Output Down

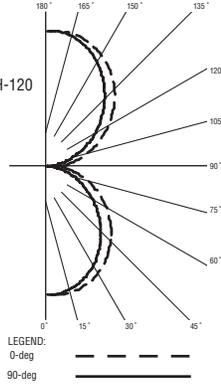
LED Optimized High Transmittance Lens

Catalog Number: ML3WL66-I/D-HO/HO-K40-4'-X-LOH/LOH-120

Report Number: #LLIA000676-006A.ies

Luminaire Description : Extruded Aluminum Housing with White Aluminum Reflector and LED Optimized Acrylic Lenses Up and Down

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



Total Luminaire Efficacy = 98.9 Lm/W
Input Power / 4' = 56.9 W
Color Rendering Index (CRI) = 82
52% Up 48% Down

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A Program of the U.S. DOE							
Light Output (Lumens)	5616						
Watts	56.77						
Lumens per Watt (Efficacy)	98.93						
Color Accuracy Color Rendering Index (CRI)	82						
Light Color Correlated Color Temperature (CCT)	4016 (Bright White)						
<table border="1"> <tr> <td>Warm White</td> <td>Bright White</td> <td>Daylight</td> </tr> <tr> <td>2700K</td> <td>3000K</td> <td>4500K</td> </tr> </table>		Warm White	Bright White	Daylight	2700K	3000K	4500K
Warm White	Bright White	Daylight					
2700K	3000K	4500K					
<small>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.</small>							
<small>Visit www.lightingfacts.com for the Label Reference Guide.</small>							
<small>Registration Number: INRP-CHQUEU (2/27/2017) Model Number: ML3WL66-I/D-HO/HO-K40-4'-X-LOH/LOH-X-X-LINV Type: Luminaire - Linear</small>							

ML3WL66-I/D-MO/HO-K40-LOH/LOH



Medium Output Up/High Output Down

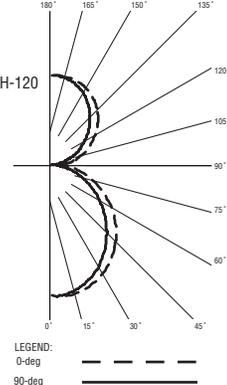
LED Optimized High Transmittance Lens

Catalog Number: ML3WL66-I/D-MO/HO-K40-4'-X-LOH/LOH-120

Report Number: #LLIA000676-004A.ies

Luminaire Description : Extruded Aluminum Housing with White Aluminum Reflector and LED Optimized Acrylic Lenses Up and Down

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



Total Luminaire Efficacy = 99.5 Lm/W
Input Power / 4' = 46.0 W
Color Rendering Index (CRI) = 82
41% Up 59% Down

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Light Output (Lumens)	4575						
Watts	45.94						
Lumens per Watt (Efficacy)	99.59						
Color Accuracy Color Rendering Index (CRI)	82						
Light Color Correlated Color Temperature (CCT)	4007 (Bright White)						
<table border="1"> <tr> <td>Warm White</td> <td>Bright White</td> <td>Daylight</td> </tr> <tr> <td>2700K</td> <td>3000K</td> <td>4500K</td> </tr> </table>		Warm White	Bright White	Daylight	2700K	3000K	4500K
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2700K	3000K	4500K					
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<small>Visit www.lightingfacts.com for the Label Reference Guide.</small>							
<small>Registration Number: INRP-ANSBBS (2/28/2017) Model Number: ML3WL66-I/D-MO/HO-K40-4'-X-LOH/LOH-X-X-LINV Type: Luminaire - Linear</small>							

ML3WL66-I/D-HO/MO-K40-LOH/LOH



High Output Up/Medium Output Down

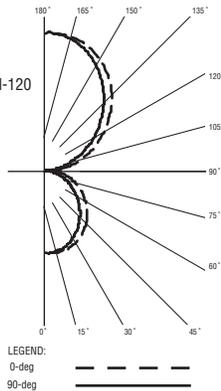
LED Optimized High Transmittance Lens

Catalog Number: ML3WL66-I/D-HO/MO-K40-4'-X-LOH/LOH-120

Report Number: #LLIA000676-005A.ies

Luminaire Description : Extruded Aluminum Housing with White Aluminum Reflector and LED Optimized Acrylic Lenses Up and Down

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



Total Luminaire Efficacy = 101.4 Lm/W
Input Power / 4' = 45.7 W
Color Rendering Index (CRI) = 82
63% Up 37% Down

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Light Output (Lumens)	4635						
Watts	45.67						
Lumens per Watt (Efficacy)	101.49						
Color Accuracy Color Rendering Index (CRI)	82						
Light Color Correlated Color Temperature (CCT)	4009 (Bright White)						
<table border="1"> <tr> <td>Warm White</td> <td>Bright White</td> <td>Daylight</td> </tr> <tr> <td>2700K</td> <td>3000K</td> <td>4500K</td> </tr> </table>		Warm White	Bright White	Daylight	2700K	3000K	4500K
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2700K	3000K	4500K					
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<small>Visit www.lightingfacts.com for the Label Reference Guide.</small>							
<small>Registration Number: INRP-3N8Z7R (2/28/2017) Model Number: ML3WL66-I/D-HO/MO-K40-4'-X-LOH/LOH-X-X-LINV Type: Luminaire - Linear</small>							

ML3WL66-I/D-MO/MO-K40-LOH/LOH



High Output Up/High Output Down

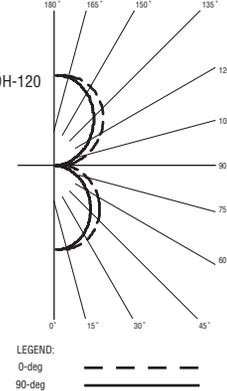
LED Optimized High Transmittance Lens

Catalog Number: ML3WL66-I/D-MO/MO-K40-4'-X-LOH/LOH-120

Report Number: #LLIA000676-003A.ies

Luminaire Description : Extruded Aluminum Housing with White Aluminum Reflector and LED Optimized Acrylic Lenses Up and Down

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



Total Luminaire Efficacy = 103.0 Lm/W
Input Power / 4' = 34.8 W
Color Rendering Index (CRI) = 82
53% Up 47% Down

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A Program of the U.S. DOE							
Light Output (Lumens)	3585						
Watts	34.81						
Lumens per Watt (Efficacy)	102.99						
Color Accuracy Color Rendering Index (CRI)	82						
Light Color Correlated Color Temperature (CCT)	4004 (Bright White)						
<table border="1"> <tr> <td>Warm White</td> <td>Bright White</td> <td>Daylight</td> </tr> <tr> <td>2700K</td> <td>3000K</td> <td>4500K</td> </tr> </table>		Warm White	Bright White	Daylight	2700K	3000K	4500K
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<small>Visit www.lightingfacts.com for the Label Reference Guide.</small>							
<small>Registration Number: INRP-AUCDNV (2/28/2017) Model Number: ML3WL66-I/D-MO/MO-K40-4'-X-LOH/LOH-X-X-LINV Type: Luminaire - Linear</small>							

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



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