Microlinea™ Series 5 Indirect/Direct Wet Location-IP65 (Overall Width 5-7/16", Luminous Apertures 5-3/16")

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B.U.G. Ratings (Backlight / Uplight / Glare) НО/НО: B1 - U5 - G1 HO/MO: B1 - U5 - G1 MO/HO: B1 - U5 - G1 MO/MO: B1 - U5 - G1

ee Photometric Files for More Information

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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.

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

Indirect Optical Controls

- (LOH) .125" 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: .125" thick, high transmittance extruded 100% D.R. acrylic lens with tamper-resistant hardware.

Direct Optical Control

- (LOH) .125" 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: .125" 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 assemblies is matte black. Stem/Canopy assemblies are painted to match fixture housing.

Certifications

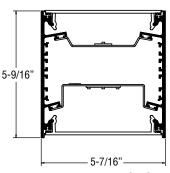
Fixtures are ETL listed for use in 'Wet Locations.' Ambient operating temperature rated from -30° C up to 50° C, and 0° C up to 50° C with battery back-up. IP-65 rated** IC rated (Recess Mount)

ML5WL65-I/D IP65 Rated

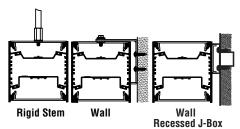
Suspended or Wall Mount **Wet Location**

5-7/16" x 5-9/16" Indirect/Direct





ML5WL65-I/D-MO/MO ML5WL65-I/D-MO/HO ML5WL65-I/D-HO/MO ML5WL65-I/D-H0/H0



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

Sample Catalog Number: ML5WL65-I/D - HO/HO - K40 / K40 - 80 - 4 - P - LOH / LOH - F01M - EF - 120 - DIM1 - OPTIONS

- 80 - - - / ML5W65L-I/D PAL ML5WL65-I/D Wet Location Indirect/Direct Lumen Output/4': HO/HO -HO(Up)/HO(Dn) = 6461 Total Lms - 96 Lm/W (Using 4000K) HO/MO -HO(Up)/MO(Dn) = 5208 Total Lms - 99 Lm/W MO/HO -MO(Up)/HO(Dn) = 5196 Total Lms - 98 Lm/W MO/MO -MO(Up)/MO(Dn) = 3934 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/Recess J-Box Indirect Optical Controls: LOH = LED Optimized High Transmit. Lens VR = 100% DR Acrylic Lens w/Tamper Resist Hardware Direct Optical Controls: LOH = LED Optimized High Transmit, Lens VR = 100% DR Acrylic 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 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 (High Output Only - 3' or Longer Fixtures. *N/A for 100 - 1% Dimming Option)

FS = Fused Drivers

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

Suspended/Wall ML5WL65-I/D-HO/HO-K40

High Output Up/High Output Down

LED Optimized High Transmittance Lens

ML5WL65-I/D-H0/H0-K40-4'-X-L0H/L0H-120 Catalog Number:

#LLIA000676-010A.ies Report Number:

Luminaire Description: Extruded Aluminum Housing with

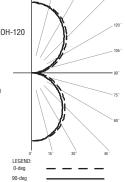
White Aluminum Reflector and LED

Optimized Acrylic Lenses Up and Down

Multiple White Low-Power Light Emitting Diodes (LEDs) in a precise

Total Luminaire Efficacy = 96.6 Lm/W Input Power / 4': 66.9 W Color Rendering Index (CRI) = 83 52% Up 48% Down

LED Module:





ML5WL65-I/D-HO/MO-K40

High Output Up/Medium Output Down **LED Optimized High Transmittance Lens**

ML5WL65-I/D-H0/M0-K40-4'-X-L0H/L0H-120 Catalog Number:

Report Number: #LLIA000676-009A.ies

Luminai re Description: Extruded Aluminum Housing with

White Aluminum Reflector and LED

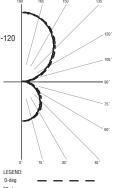
Optimized Acrylic Lenses Up and Down Multiple White Low-Power Light

Emitting Diodes (LEDs) in a precise

lay-out.

Total Luminaire Efficacy = 99.6 Lm/W Input Power / 41: 52.3 W Color Rendering Index (CRI) = 83 64% Up 36% Down

LED Module:





ML5WL65-I/D-MO/HO-K40

Medium Output Up/High Output Down

LED Optimized High Transmittance Lens

Catalog Number: ML5WL65-I/D-MO/HO-K40-4'-X-LOH/LOH-120

Report Number: #LLIA000676-008A.ies

Luminaire Description: Extruded Aluminum Housing with

White Aluminum Reflector and LED

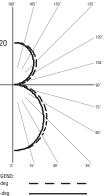
Optimized Acrylic Lenses Up and Down LED Module: Multiple White Low-Power Light

Emitting Diodes (LEDs) in a precise

lay-out.

Total Luminaire Efficacy = 98.3 Lm/W Input Power / 4': 52.9 W Color Rendering Index (CRI) = 84

40% Up 60% Down





ML5WL65-I/D-MO/MO-K4

Medium Output Up/Medium Output Down

LED Optimized High Transmittance Lens

Catalog Number: ML5WL65-I/D-MO/MO-K40-4'-X-L0H/L0H-120

#LLIA000676-007A.ies Report Number:

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 = 102.9 Lm/W Input Power / 4': 38.3 W Color Rendering Index (CRI) = 84 53% Up 47% Down

LEGEND 90-dea



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



