

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 - G1

Microlinea Series 5 Indirect/Direct Wet Location-IP65-IK10 Rated

The MICROLINEA WET LOCATION SERIES 5 INDIRECT/DIRECT delivers high-performance architectural lighting for exterior applications where indirect illumination is also desired. Purpose-built for outdoor use, this fixture is fully sealed against moisture, dust, insects, and impact. Designed for use as individual units or in continuous runs, the Microlinea Series 5 Wet Location Indirect/Direct fixture offers both flexibility and refined style for modern exterior lighting designs.

Qty:	Type:
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Project Name:	

Catalog Number:

SPECIFICATIONS







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.

Indirect Optical Control

(LOH) .125" thick, high transmittance extruded acrylic lens formulated for maximum diffusion of the LED light source and continuously gasketed against dust and water

Direct Optical Control

(LOH) .125" thick, high transmittance extruded acrylic lens formulated for maximum diffusion of the LED light source and continuously gasketed against dust and water intrusion.

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

Reflector

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 (Standard)

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

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)

Light Engines/Color Temps./CRI

LED light sources are available for the following Co-ordinated Color Temperatures (CCT): Standard: 3000K, 3500K, & 4000K Color Rendering Index (CRI): Standard: 80

Finish

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

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.

Internal Construction

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

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

Warrantv

10 year limited warranty. No other warranty is expressed or implied. Complete warranty terms can be assessed by visiting: https://pal-lighting.com/company/warranty

MICROLINEA SERIES 5 Indirect/Direct Wet Location - Performance Data

Standard Lumen Outputs Available	Standard High Output Up/High Output Down - (HO/HO)	Standard Medium Output Up/High Output Down – (MO/HO)	Standard High Output Up/Medium Output Down – (HO/MO)	Standard Medium Output Up/Medium Output Down – (MO/MO)			
Delivered Lumens/Foot - Standard	1615	1299	1302	984			
Input Watts/Foot - Standard	17	13	13	10			
Lumens/Watt (Efficacy) - Standard	97	98	100	103			
Custom Lumens Outputs Available							
Custom Lumens/Foot	Contact Factory for Available Output Ranges						

- Data listed above is based on using 3500K CCT and 80 CRI LED modules
- *PAL uses fully programmable drivers. Custom outputs (CO) are available. Contact specs@pallighting.com for more information.
- All values are based on calculated LM-79 photometric reports.















MICROLINEA SERIES 5 INDIRECT/DIRECT WET LOCATION

ORDERING GUIDE

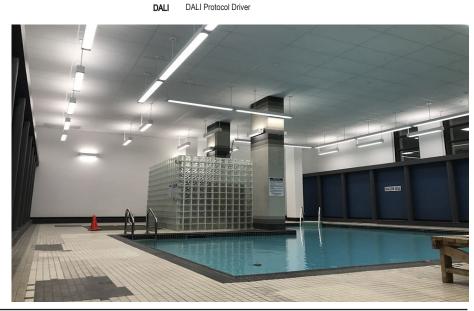
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Series	Outputs	(CCT) Indirect	(CCT) Direct	CRI
ML5WL65-I/D Microlinea Series 5 Indirect/Direct (Wet Location)	HO/HO HO(Up)/HO(Dn) HO/MO HO(Up)/MO(Dn) MO/HO MO(Up)/HO(Dn) MO/MO MO(Up)/MO(Dn)	 K30 3000 Kelvin K35 3500 Kelvin K40 4000 Kelvin RGBW Red/Green/Blue/White 	K30 3000 Kelvin K35 3500 Kelvin K40 4000 Kelvin RGBW Red/Green/Blue/White	80 Standard
	CO/CO Custom Output (Contact factory for availal	hle outnut range)		

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	Fixture	e Lengths		Mounting	Indi	rect Optical Control	Dire	ct Optical Control		Finishes
2'	2 Ft	For continuous rows of 8'	Р	Rigid Stem (Up to 24" Std.)	LOH	LED Optimized Acrylic	LOH	LED Optimized Acrylic	F01M	Matte White (Standard)
3'	3 Ft	or longer, specify row length in 1' increments.	W	Wall Mount		Gasketed Lens		Gasketed Lens	F10	Bronzed
4'	4 Ft	Example: 13'	WRJ	Wall Mount w/Recess J-Box	VR	100% D.R. Acrylic Lens with	VR	100% D.R. Acrylic Lens with	F11T	Textured Black
6'	6 Ft				Tamper-Resist Hardware		Tamper-Resist Hardware		F12	Ultrasonic Clear
8'	8 Ft								FCC	Custom Color Match
										Provide RAL Color#

Feed Location	Voltage	Drivers - Dimming 2,4	Emergency Options
TF Top Feed	120 120V	DIMX Standard No Dimming	EBPHST Emergency Battery Pack - 10 Watt
EF End Feed	277 277V UNV Universal Voltage	DIM1 Dimming 100% to 1%	Self-Testing. (Integral Mount)
	(120V thru 277V)	CWD Cold Weather Driver	EMCKT Emergency Circuit (Separate Hot &
	347 347V	DMX DMX Protocol Driver	Neutral)

Notes:

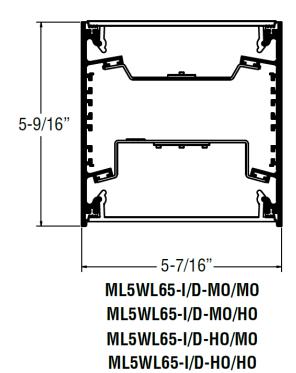
- 1. All fixtures are factory pre-wired for a single circuit. Provisions for multiple switching/circuiting is optional.
- 2. Unless otherwise requested, all fixtures contain integral-mount "power-on-board" drivers.
- 3. All fixtures intended for continuous rows are provided with factory installed quick-connect wiring.
- 4. Standard power supply (driver) is UL/CUL recognized, & is available w/0-10V dimming capability & 120 - 277 universal voltage.
- 5. Standard emergency battery pack is a 10 Watt constant power, self-testing, UL 924 listed pack from lota Engineering - providing 1000 lumens of light for approximately 90 minutes. Battery packs are integral mounted unless otherwise notified. *Note: Remote mounted battery packs are not wet location listed.
- Custom length fixtures and fixtures rows may require a longer lead time. Contact specs@pallighting.com for more information.
- RGBW power supply by EldoLED is UL recognized, and is compatible with DALI and DMX protocols.
- 8. IP rated sensors and control systems are available. Contact specs@pallighting.com for more information.



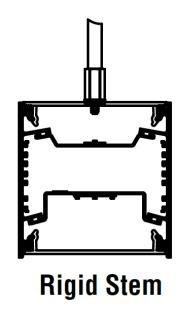


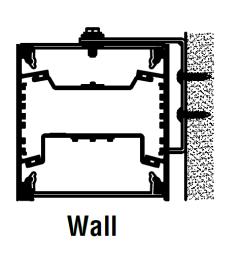
MICROLINEA SERIES 5 INDIRECT/DIRECT WET LOCATION SUSPENDED OR WALL MOUNT

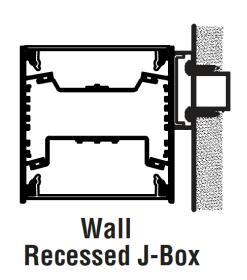
Suspended or Wall Mount Wet Location



Rigid Stem, Wall & Wall Recessed J-Box:









MICROLINEA SERIES 5 INDIRECT/DIRECT WET LOCATION PHOTOMETRIC PERFORMACE

PHOTOMETRY / LIGHT DISTRIBUTIONS

