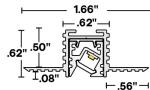




# MICRO 5 POP MUD-IN-FLAT (01) FOR TUNABLE APPLICATIONS

24VDC Linear Fixtures - Recessed



- MICRO 5 Series linear LED fixture designed to provide superior light performance and uniformity with discreet integration into drywall
- Two-piece mud-in fixture
- Asymmetric fixture with an 80° focused beam 20° off-nadir
- Once installed, its wings are covered with tape and compound to create a seamless look
- Used in applications where CCT and brightness need to be controlled separately
- When using DALI and DMX power supplies, LED wattage must be doubled

## ORDERING PROCESS

**A** Specify LED Fixture

**B** Specify MUD-IN Housing

### A. LED FIXTURE

#### INFORMATION REQUIRED FOR LIGHTING SCHEDULE

A1	A2	A3	A4	A5
PRODUCT	WATTS/ FT	CCT	RATED	LENS
POP-MD-01-DW	2.0		DRY	

Sample Part Number: POP-MD-01-DW-2.0-2.0/30-DRY-DF-S1A-BW-CLS-WH-CL2-SP-ST-48"-E

A1	PRODUCT	A2	WATTS/FT	A3	CCT	A4	RATED	A5	LENS
POP-MD-01-DW POP-MD-01-DW-USA	2.0	2.0W/ft		20/27 20/30 27/40 27/55	2000K/2700K 2000K/3000K 2700K/4000K 2700K/5500K	DRY	IP20	DF PR	Diffused Polar
Select USA option for BAA and BABA projects.								For representation of LED visibility, see Diode Visibility section on following pages. For beam angles, see Photometric Performance section on following pages	
LED engine is built with 3 wires requiring 0-10V, DMX or DALI control. Using DALI, DMX, or non QTL power supplies may double watts/ft. See following pages for compatible power supplies.									
A6	WIRE INPUT/OUTPUT	A7	CONNECTOR/WIRE IN	A8	CONNECTOR/WIRE OUT	A9	WIRE COLOR	A10	WIRE TYPE
<b>SINGLE (Input Only)</b> <b>S1A</b> End Feed <b>S1B</b> End Feed <b>S2A</b> Bottom Feed <b>S2B</b> Bottom Feed		<b>BW</b> Bare Wire (Standard 24")		<b>CLS</b>		<b>WH</b> White	<b>CL2</b> Class 2 <b>CL2P</b> Plenum Rated		
For continuous mounting, consider bottom feed.		BW: Standard length is 24". Max length is 120". Request custom length by writing in part number next to BW (example: BW48)		CLS: Closed End (No feed)		WH: Bare Wire (Standard 24")	CL2: Class 2 CL2P: Plenum Rated		
<b>PASS THROUGH (Input/output)</b> <b>P1A</b> End Feed <b>P1B</b> End Feed <b>P2A</b> Bottom Feed <b>P2B</b> Bottom Feed		<b>BW</b> Bare Wire (Standard 24")		<b>BW</b> Bare Wire (Standard 24")		<b>CL2</b> Class 2 <b>CL2P</b> Plenum Rated			
For continuous mounting, consider bottom feed.		BW: Standard length is 24". Max length is 120". Request custom length by writing in part number next to BW (example: BW48)		BW: Standard length is 24". Max length is 120". Request custom length by writing in part number next to BW (example: BW48)		CL2: Class 2 CL2P: Plenum Rated			
A11	MOUNTING	A12	FINISH	A13	LENGTH (IN)	A14	EXACT/OPTIMAL		
<b>SC</b> Screw <b>SP</b> Spring Clip	For either mounting option POP-MD-MNT-KIT is required for mounting POP into the Mud-In Channel	<b>ST</b> Satin <b>BK</b> Black <b>BZ</b> Bronze <b>WH</b> White <b>CU</b> Custom	Custom finishes require a longer lead time, consult factory	Minimum length is 12", maximum length is 98.43" not including end caps. Contact us for lengths under 12".		<b>E</b> Exact specified length <b>O</b> Optimal illumination	Exact fixtures match the exact length you specify, but they may have dim spots at the ends. Optimal fixtures are slightly shorter than the length specified, but provide full illumination from end to end.		

5 year warranty | Warranty only valid with QTL power supplies | Field modifications void warranty | Data subject to change, all data has +/- 5% tolerance



# MICRO 5 POP MUD-IN-FLAT (01) FOR TUNABLE APPLICATIONS

24VDC Linear Fixtures - Recessed

## B. MUD-IN HOUSING

B1	B2
PRODUCT	LENGTH
POP-MD	

Sample Part Number: **POP-MD-FCN**

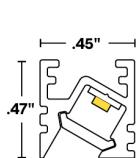
B1	PRODUCT	B2	LENGTH
	POP-MD		<b>FCN</b> Field Cuttable <b>CTL</b> Cut to Length  Full length 98.43" housings will be sent for field cuttable specifications. Quantity will be determined by dividing the POP fixture measurements by 98.43 and rounding up. Cut to length housing specifications will be the length of the POP fixture specified, plus .125" for endcaps.



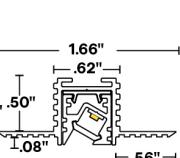
# MICRO 5 POP MUD-IN-FLAT (01) FOR TUNABLE APPLICATIONS

24VDC Linear Fixtures - Recessed

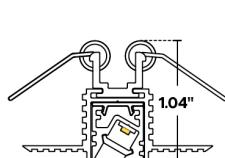
## A1 PRODUCT - DIMENSIONS



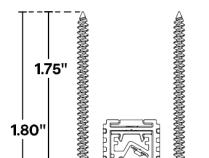
Profile



Profile with mud-in accessory



Profile with mud-in accessory and spring clip



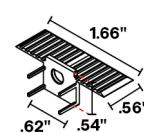
Profile with mud-in accessory and screw mount

## END CAPS

Flat end caps



Feed



Feed

To order separately, use  
POP-EC-MDIN-A-ST

To order separately, use  
POP-EC-MDIN-B-ST

## A2 DELIVERED LUMENS

[Calculated L70 = 70000 hrs]

Tested with POP-01-DW-2.0-\*\*-DRY

	2000K		2700K		3000K		4000K		5500K	
	LM/FT	CRI								
PR	77	93	89	98	93	98	95	97	100	97
DF	69	93	81	98	83	98	86	97	93	97

## A5 DIODE VISIBILITY



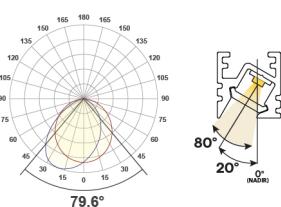
DF - Diffused lens

PR - Polar lens

## PHOTOMETRIC PERFORMANCE

Nominal beam spread shown, beam spread varies based on light engine. For more detailed information, see photometric data.

2W/ft



DF lens at 3000K



# MICRO 5 POP MUD-IN-FLAT (01) FOR TUNABLE APPLICATIONS

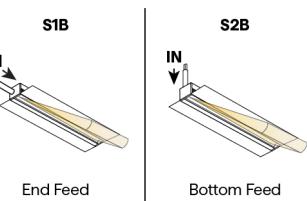
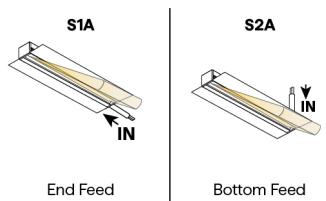
## 24VDC Linear Fixtures - Recessed

### TEMPERATURE RATINGS

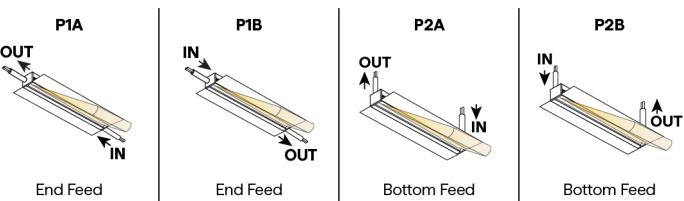
		DW 2.0 W/FT	DW 4.0 W/FT
		QTL power supply other than DALI, DMX	DALI, DMX, or non-QTL power supply
		Min	Max
DRY	Ambient Operating Temp - Recessed	-4°F	130°F
		-4°F	110°F

### A6 WIRE INPUT/OUTPUT

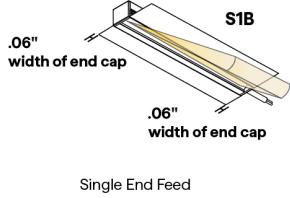
ASYMMETRIC ONLY SINGLE (Input only)



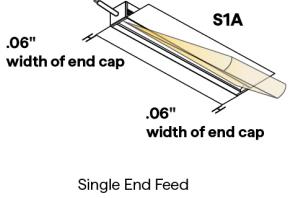
ASYMMETRIC ONLY PASS THROUGH (Input/Output)



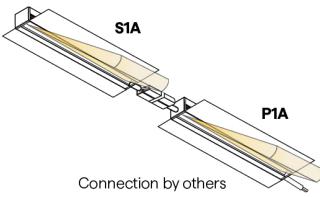
### CONFIGURATION OPTIONS



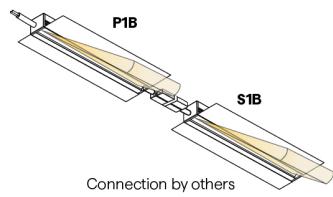
Single End Feed



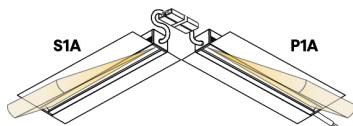
Single End Feed



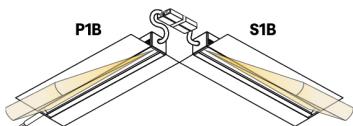
Connection by others  
Non-Continuous End Feed



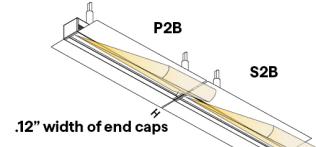
Connection by others  
Non-Continuous End Feed



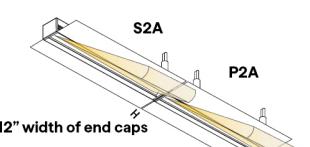
Connection by others  
Non-Continuous Corner Feed



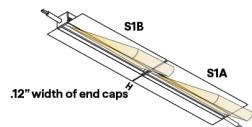
Connection by others  
Non-Continuous Corner Feed



Continuous Bottom Feed



Continuous Bottom Feed



Continuous End to End Feed



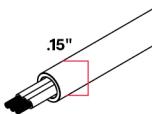
# MICRO 5 POP MUD-IN-FLAT (01) FOR TUNABLE APPLICATIONS

## 24VDC Linear Fixtures - Recessed

### A7 / A8 CONNECTOR/WIRE – IN/OUT

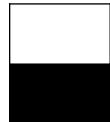
Connector/Wire In or Out not needed to specify product. Typical selection is S1 for Wire Input/Output, BW for Connector/Wire In, N/A for Connector/Wire Out

**BW**



Bare Wire 24"  
22 AWG

### A9 WIRE COLOR

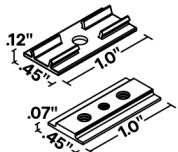


White

Black

### A11 MOUNTING

**POP-MD-MNT-KIT**



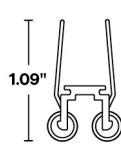
Plastic Clip Kit

2 clips provided for 4' or less;  
4 clips provided for greater  
than 4'

To order separately use POP-  
MD-MNT-KIT

Each clip comes with a #4 x  
3/16 Flat Head SS" and two  
#6 x 1/8" long set screws

**SP**



Spring Clip

Only to be used with mud-in  
accessory

4 clips provided for each full  
length of MUD-IN

To order separately use  
SP-02

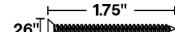
**832**



832 Silicone

Sold separately

**SC**



Screw

6 #6x1.75" flat head screws  
are provided for each full  
length of MUD-IN

### A12 FINISH



Satin

Black

Bronze

White

Custom finishes require a longer lead time, consult factory

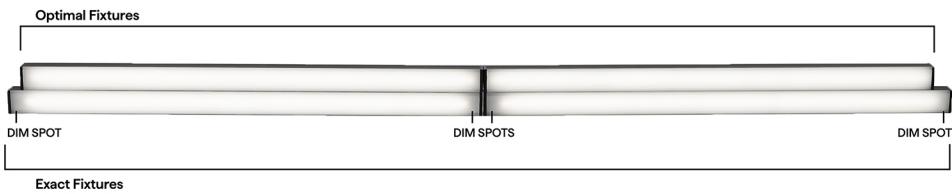


# MICRO 5 POP MUD-IN-FLAT (01) FOR TUNABLE APPLICATIONS

24VDC Linear Fixtures - Recessed

## A14 EXACT/OPTIMAL FIXTURE LENGTH

Exact fixtures are the exact length specified. Optimal fixtures' length is rounded down based on LED cut points to allow the fixture to be illuminated end to end. For runs with multiple fixtures that need to fill a specific length, it's recommended to order all optimal fixtures with an exact fixture at the end of the run.



## DW DRY LENGTHS BY INCH

Available in any length in between 12" and 98.43" not including end caps, chart below shows example lengths. Exact fixtures are the length specified. Optimal fixtures' length is rounded down with illumination end to end. All fixtures' tolerance is  $+0 - 1/8"$ . Consult factory for lengths under 12".

### EXACT LENGTH

Requested Length	Potential dim spot on either end of fixture
12"	1"
13"	.5"
14"	1"
15"	.5"
16"	1"
17"	.5"
18"	1"
19"	.5"
20"	1"
21"	.5"
22"	1"
23"	.5"
24"	1"
36"	1"
48"	1"
60"	1"
72"	1"
84"	1"
96"	1"

### OPTIMAL LENGTH: highlighted rows are closest to requested nominal length

Requested Nominal Length	S1A/B & S2A/B		P1A/B & P2A/B	
	S1 End Feed	S2 Bottom Feed	P1 End Feed	P2 Bottom Feed
12"	10.5"		10.75"	
13"	12.5"		12.75"	
14"	12.5"		12.75"	
15"	14.5"		14.75"	
16"	14.5"		14.75"	
17"	16.5"		16.75"	
18"	16.5"		16.75"	
19"	18.5"		18.75"	
20"	18.5"		18.75"	
21"	20.5"		20.75"	
22"	20.5"		20.75"	
23"	22.5"		22.75"	
24"	22.5"		22.75"	
36"	34.5"		34.75"	
48"	46.5"		46.75"	
60"	58.5"		58.75"	
72"	70.5"		70.75"	
84"	82.5"		82.75"	
96"	94.5"		94.75"	

## COMPATIBLE POWER SUPPLIES

See power supplies cut sheets for more information. Data subject to change, all data has  $+/- 5\%$  tolerance.

DIM TO LEVEL	INDOOR	
	MICRO 5-DW Tunable Applications	
0.1%		QT-CAB-eLED+DALI-DT6 QT-CAB-eLED+DALI-DT8 QT-CAB-eLED+DALI-DT8-AWN QT-CAB-eLED+TW QT-CAB-eLED+TW-AWN QTM-eLED+DALI-DT6 QTM-eLED+DALI-DT8 QTM-eLED+DALI-DT8-AWN QTM-eLED+TW QTM-eLED+TW-AWN
1%		QZ-DALI-DT8
10%		Non-Dim Power Supply with TW App Dongle

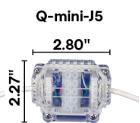


# MICRO 5 POP MUD-IN-FLAT (01) FOR TUNABLE APPLICATIONS

24VDC Linear Fixtures - Recessed

DIMMING PROTOCOL	INDOOR
	MICRO 5-DW Tunable Applications
0-10V	QT-CAB-eLED+TW QT-CAB-eLED+TW-AWN QTM-eLED+TW QTM-eLED+TW-AWN
Lutron Athena	QT-CAB-eLED+DALI-DT8-AWN QT-CAB-eLED+TW-AWN QTM-eLED+DALI-DT8-AWN QTM-eLED+TW-AWN
<b>DALI-2: DT6</b> LED wattage must be doubled for DW-HE products except for AWN	QT-CAB-eLED+DALI-DT6 QTM-eLED+DALI-DT6
<b>DALI-2: DT8</b> LED wattage must be doubled for DW-HE products except for AWN	QT-CAB-eLED+DALI-DT8 QT-CAB-eLED+DALI-DT8-AWN QTM-eLED+DALI-DT8 QTM-eLED+DALI-DT8-AWN QZ-DALI-DT8
SCENE App Dimmed	Non-Dim Power Supply with TW App Dongle

## COMPATIBLE WIRING ACCESSORIES



UL Listed, miniature junction box, DRY/DMP (WET rated with silicone)

## COMPATIBLE CONTROL ACCESSORIES



Wi-Fi or Bluetooth Connectivity

## COMPATIBLE APPS

### NFC APP



Read and write DMX addresses and adjust voltage