



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

24VDC Linear Fixtures - Recessed



Declare



- Recessable MICRO 5 fixture with a 90° focused beam 30° off-nadir
- The asymmetric fixture allows for light to be thrown at an angle without the need to adjust the mounting
- Excellent solution for drywall applications
- Consult factory for field assembly options

## ORDERING PROCESS

**A** Specify LED Fixture

**B** Specify MUD-IN Housing

### A. LED FIXTURE

A1	A2	A3	A4	A5	A6	A7	A8	A9	A10	A11	A12	A13	A14
PRODUCT	WATTS/FT	CCT	RATED	LENS	WIRE INPUT/OUTPUT	CONNECTOR/WIRE IN	CONNECTOR/WIRE OUT	WIRE COLOR	WIRE TYPE	MOUNTING	FINISH	LENGTH (IN)	EXACT/OPTIMAL
POP-01-DW	2.0		DRY										

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

<b>A1</b> <b>PRODUCT</b>  POP-01-DW  See following pages for compatible power supplies.	<b>A2</b> <b>WATTS/FT</b>  2.0 2.0W/ft	<b>A3</b> <b>CCT</b>  20/27 2000K/2700K 20/30 2000K/3000K 27/40 2700K/4000K 27/55 2700K/5500K	<b>A4</b> <b>RATED</b>  DRY IP20	<b>A5</b> <b>LENS</b>  DF Diffused PR Polar  For representation of LED visibility, see Diode Visibility section on following pages. For beam angles, see Photometric Performance section on following pages	
<b>A6</b> <b>WIRE INPUT/OUTPUT</b>  S1A Single 1 (Input only) - End Feed S1B Single 1 (Input only) - End Feed S2A Single 2 (Input only) - Bottom Feed S2B Single 2 (Input only) - Bottom Feed  For continuous mounting, consider bottom feed.	<b>A7</b> <b>CONNECTOR/WIRE IN</b>  BW Bare Wire (Standard 24") CON6 Connector 6" CON24 Connector 24"  BW: Standard length is 24", Max length is 120". Request custom length by writing in part number next to BW (example: BW48)	<b>A8</b> <b>CONNECTOR/WIRE OUT</b>  CLS Closed End (No feed)			
<b>P1A</b> Pass Through 1 (Input/output) - End Feed <b>P1B</b> Pass Through 1 (Input/output) - End Feed <b>P2A</b> Pass Through 2 (Input/output) - Bottom Feed <b>P2B</b> Pass Through 2 (Input/output) - Bottom Feed  For continuous mounting, consider bottom feed.	<b>BW</b> Bare Wire (Standard 24") CON6 Connector 6" CON24 Connector 24"  BW: Standard length is 24", Max length is 120". Request custom length by writing in part number next to BW (example: BW48)	<b>BW</b> Bare Wire (Standard 24") CON6 Connector 6" CON24 Connector 24"  BW: Standard length is 24", Max length is 120". Request custom length by writing in part number next to BW (example: BW48)			
<b>A9</b> <b>WIRE COLOR</b>  WH White BK Black	<b>A10</b> <b>WIRE TYPE</b>  CL2 Class 2 CL2P Plenum Rated  CL2P only available with bare wire leads (BW)	<b>A11</b> <b>MOUNTING</b>  SC Screw SP Spring Clip  Plastic Clips are provided when ordering Spring Clip or Screw	<b>A12</b> <b>FINISH</b>  ST Satin BK Black BZ Bronze WH White CU Custom	<b>A13</b> <b>LENGTH (IN)</b>  Minimum length is 12", maximum length is 98.43" not including end caps. Contact us for lengths under 12".	<b>A14</b> <b>EXACT/OPTIMAL</b>  E Exact specified length O 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



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### B. MUD-IN HOUSING

B1 PRODUCT	B2 LENGTH
B1 PRODUCT	B2 LENGTH

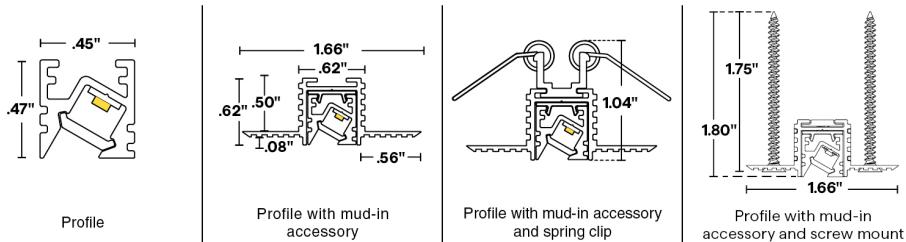
PRELIMINARY  
SUBJECT TO CHANGE



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### A1 PRODUCT - DIMENSIONS



### 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

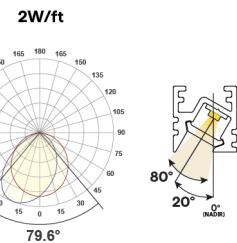
### A5 DIODE VISIBILITY



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.



DF lens at 3000K



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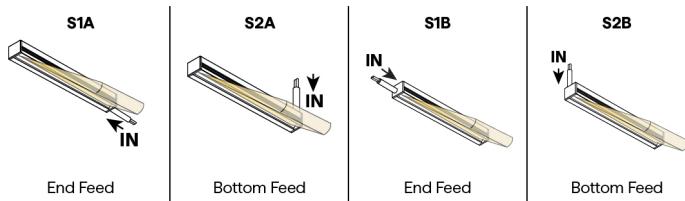
## 24VDC Linear Fixtures - Recessed

### TEMPERATURE RATINGS

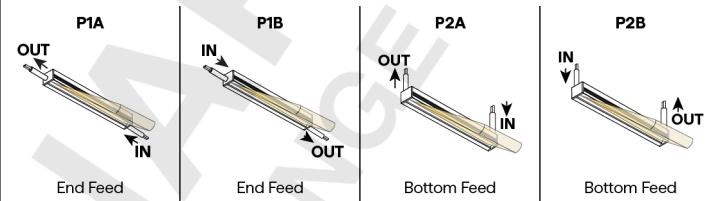
		DW 2.0 W/FT			
Q-Tran power supply other than DALI, DMX		DALI, DMX, or non-Q-Tran power supply			
		Min	Max	Min	Max
DRY	Ambient Operating Temp - Recessed	-4°F	130°F	-4°F	110°F

### A6 WIRE INPUT/OUTPUT

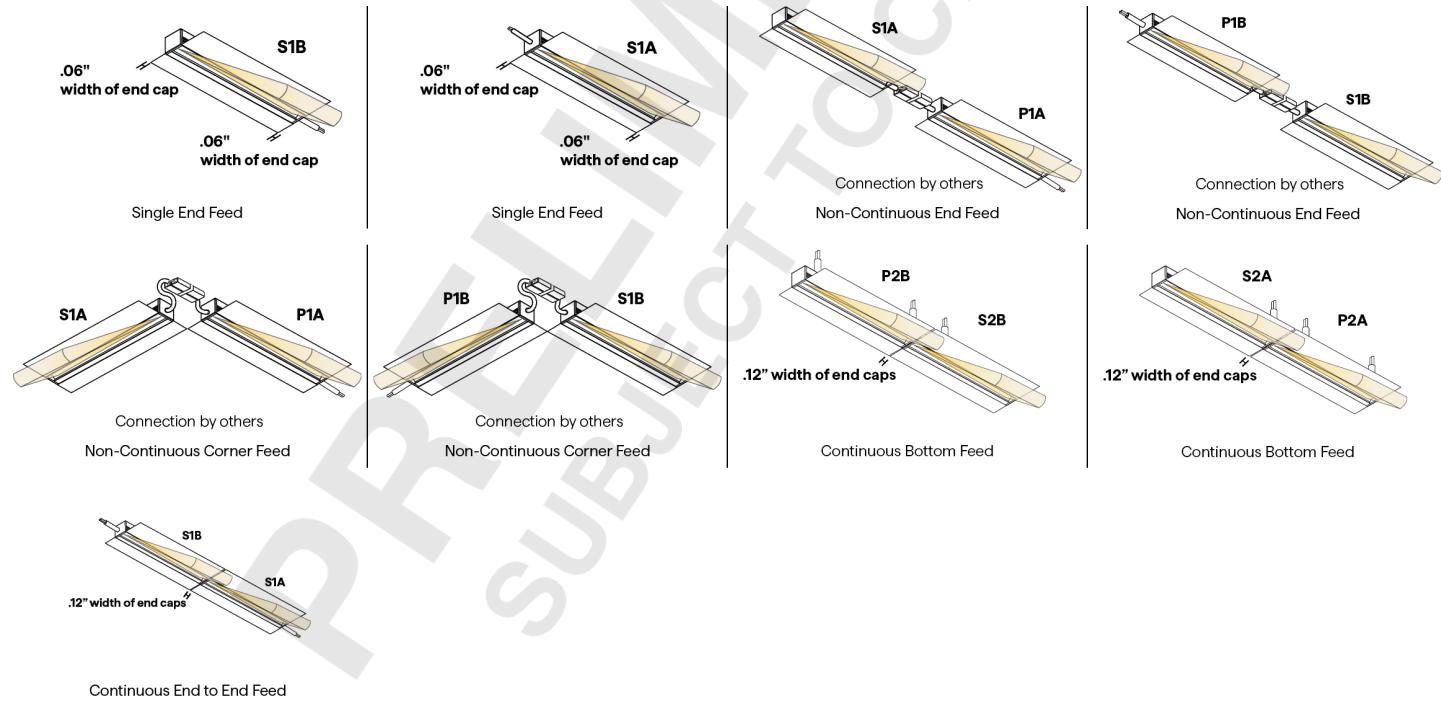
ASYMMETRIC ONLY SINGLE (Input only)



ASYMMETRIC ONLY PASS THROUGH (Input/Output)



### CONFIGURATION OPTIONS





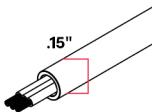
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## 24VDC Linear Fixtures - Recessed

### 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

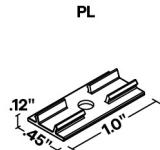
### A9 WIRE COLOR



White

Black

### A11 MOUNTING





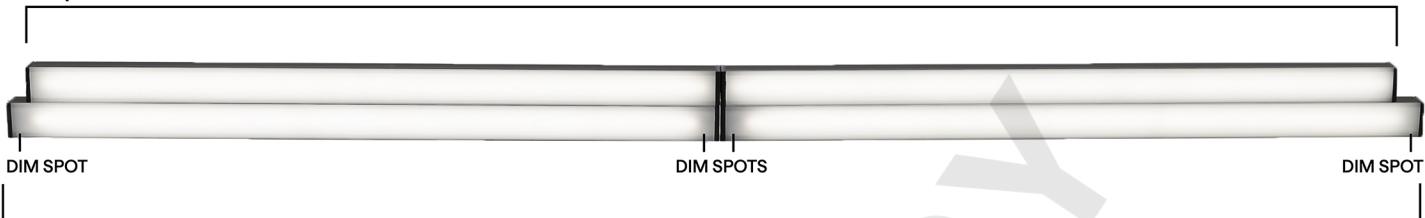
# MICRO 5 POP MUD-IN-FLAT (01) FOR TUNABLE APPLICATIONS

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.

### Optimal Fixtures



### Exact Fixtures

## 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
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"



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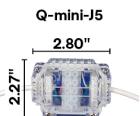
## COMPATIBLE POWER SUPPLIES

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

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
DALI-2: DT6 LED wattage must be doubled for DW-HE products except for AWN	QT-CAB-eLED+DALI-DT6 QTM-eLED+DALI-DT6
DALI-2: DT8 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)



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## COMPATIBLE CONTROL ACCESSORIES

### SCENE APP DONGLE



Wi-Fi or Bluetooth  
Connectivity

## COMPATIBLE APPS

### NFC APP



Read and write  
DMX addresses and  
adjust voltage

PRELIMINARY  
SUBJECT TO CHANGE