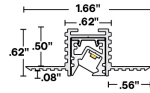
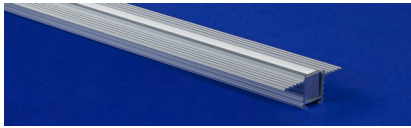




MICRO 5 POP MUD-IN-ENCAPSULATED (03) FOR TUNABLE APPLICATIONS

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
- Features high quality LED strips encapsulated in polyurethane in a rigid extrusion providing a robust 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					ADDITIONAL INFORMATION REQUIRED TO ORDER								
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
	2.0		ENC	TL									

Sample Part Number: POP-MD-03-DW-2.0-24/30-ENC-TL-S1A-BW-CLS-WH-CL2-SP-ST-48"-E

<div>A1</div> <div>PRODUCT</div> <div>POP-MD-03-DW POP-MD-03-DW-USA</div> <div>Select USA option for BAA and BABA projects.</div> <div>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.</div>	<div>A2</div> <div>WATTS/FT</div> <div>2.02.0W/ft</div>	<div>A3</div> <div>CCT</div> <div>24/302400K/3000K 27/402700K/4000K</div>	<div>A4</div> <div>RATED</div> <div>ENCIP67</div>	<div>A5</div> <div>LENS</div> <div>TLTranslucent</div> <div>For representation of LED visibility, see Diode Visibility section on following pages. For beam angles, see Photometric Performance section on following pages</div>				
<div>A6</div> <div>WIRE INPUT/OUTPUT</div> <div>SINGLE (Input Only) S1AEnd Feed S1BEnd Feed S2ABottom Feed S2BBottom Feed</div> <div>For continuous mounting, consider bottom feed.</div> <div>PASS THROUGH (Input/output) P1AEnd Feed P1BEnd Feed P2ABottom Feed P2BBottom Feed</div> <div>For continuous mounting, consider bottom feed.</div>	<div>A7</div> <div>CONNECTOR/WIRE IN</div> <div>BWBare Wire (Standard 24") BW: Standard length is 24", Max length is 120". Request custom length by writing in part number next to BW (example: BW48)</div> <div>BWBare Wire (Standard 24") BW: Standard length is 24", Max length is 120". Request custom length by writing in part number next to BW (example: BW48)</div>	<div>A8</div> <div>CONNECTOR/WIRE OUT</div> <div>CLSClosed End (No feed)</div> <div>BWBare Wire (Standard 24") BW: Standard length is 24", Max length is 120". Request custom length by writing in part number next to BW (example: BW48)</div>	<div>A9</div> <div>WIRE COLOR</div> <div>WHWhite BKBlack</div>	<div>A10</div> <div>WIRE TYPE</div> <div>CL2Class 2 CL2PPlenum Rated</div> <div>CL2P only available with bare wire leads (BW)</div>	<div>A11</div> <div>MOUNTING</div> <div>SCScrew SPSpring Clip</div> <div>For either mounting option POP-MD-MNT-KIT is required for mounting POP into the Mud-In Channel</div>	<div>A12</div> <div>FINISH</div> <div>STSatin BKBlack BZBronze WHWhite CUCustom</div> <div>Custom finishes have longer lead times. Non-RAL 9003 whites custom.</div>	<div>A13</div> <div>LENGTH (IN)</div> <div>Minimum length is 12", maximum length is 98.43" not including end caps. Contact us for lengths under 12".</div>	<div>A14</div> <div>EXACT/OPTIMAL</div> <div>EExact specified length OOptimal illumination</div> <div>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.</div>

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-ENCAPSULATED (03) FOR TUNABLE APPLICATIONS

24VDC Linear Fixtures - Recessed

B. MUD-IN HOUSING

B1	B2
PRODUCT	LENGTH
POP-MD	

Sample Part Number: POP-MD-FCN

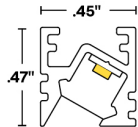
B1	B2
PRODUCT	LENGTH
POP-MD	<div><div>FCN</div><div>CTL</div><div>Field Cuttable</div><div>Cut to Length</div></div> <div>Full length 98.43" housings will be sent for field cuttable specifications. Quantity will be determined by dividing the POP fixture measurements by 98.43 and rounding up. Cut to length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



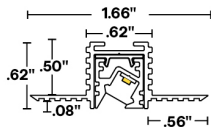
MICRO 5 POP MUD-IN-ENCAPSULATED (03) FOR TUNABLE APPLICATIONS

24VDC Linear Fixtures - Recessed

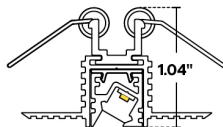
A1 PRODUCT - DIMENSIONS



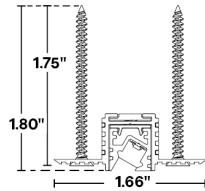
Profile



Profile with mud-in accessory



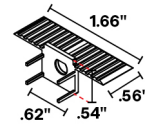
Profile with mud-in accessory and spring clip



Profile with mud-in accessory and screw mount

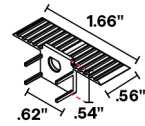
END CAPS

Flat end caps



Feed

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



Feed

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

A2 DELIVERED LUMENS

[Calculated L70 = 40000 hrs]
Tested with POP-03-DW-2.0-**-ENC

TL	3000K	
	LM/FT	CRI
	60	95

A5 DIODE VISIBILITY



ENC/TL - Translucent encapsulation

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	Min	Max
	Ambient Operating Temp - Recessed	-4°F 120°F	-4°F 100°F	

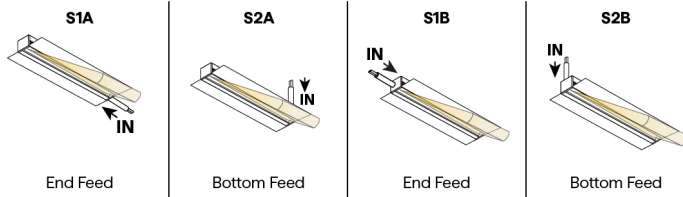


MICRO 5 POP MUD-IN-ENCAPSULATED (03) FOR TUNABLE APPLICATIONS

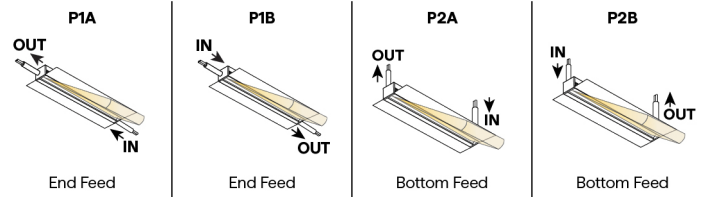
24VDC Linear Fixtures - Recessed

A6 WIRE INPUT/OUTPUT

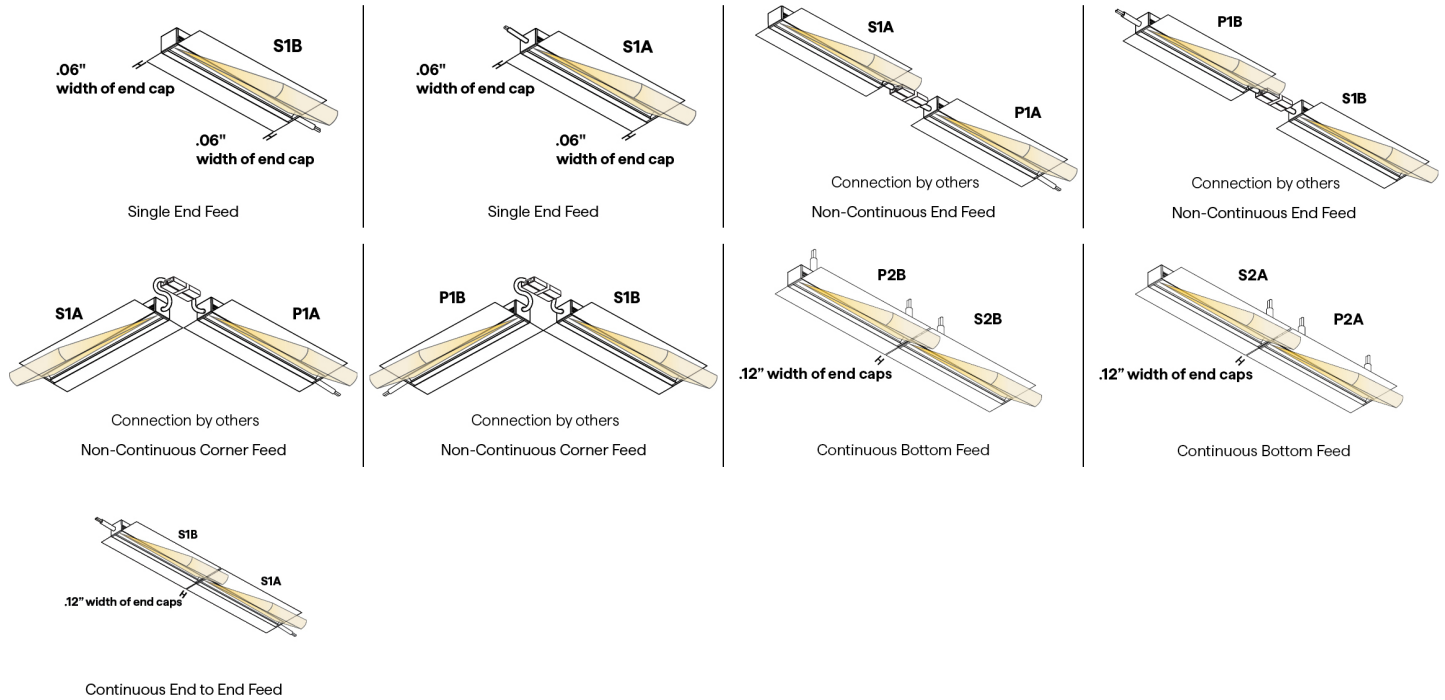
ASYMMETRIC ONLY SINGLE (Input only)



ASYMMETRIC ONLY PASS THROUGH (Input/Output)



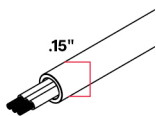
CONFIGURATION OPTIONS



A7 / A8 CONNECTOR/WIRE - IN/OUT

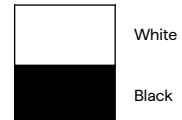
Connector/Wire In or Out not needed to specify product. Typical selection is S1 for Wire Input/Output, BW for Connector/Wire In, N/A for Connector/Wire Out

BW



Bare Wire 24\"/>
22 AWG

A9 WIRE COLOR



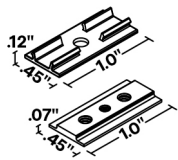


MICRO 5 POP MUD-IN-ENCAPSULATED (03) FOR TUNABLE APPLICATIONS

24VDC Linear Fixtures - Recessed

A11 MOUNTING

POP-MD-MNT-KIT



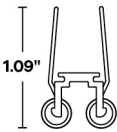
Plastic Clip Kit

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

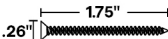
832



832 Silicone

Sold separately

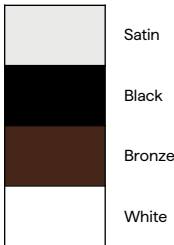
SC



Screw

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

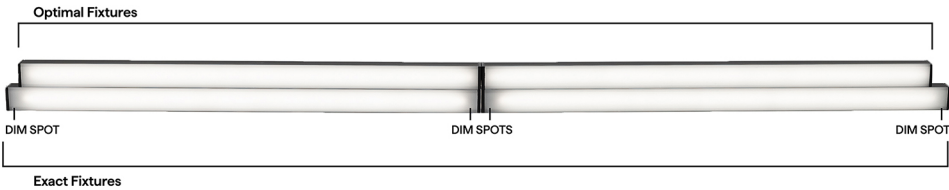
A12 FINISH



Custom finishes require a longer lead time, consult factory

15 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.






MICRO 5 POP MUD-IN-ENCAPSULATED (03) FOR TUNABLE APPLICATIONS

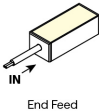
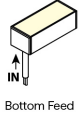
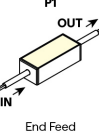
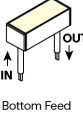
24VDC Linear Fixtures - Recessed

DW ENC LENGTHS BY INCH

EXACT LENGTH

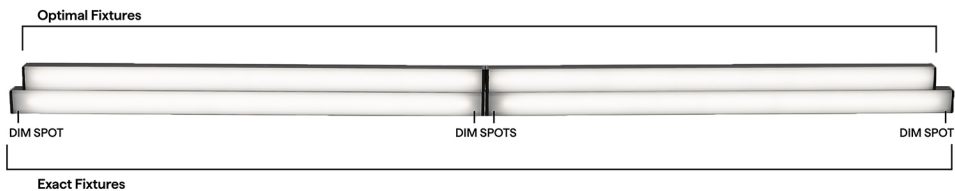
Requested Length	Potential dim spot on either end of a S1 fixture S1  End Feed
12"	1"
13"	0.5"
14"	1"
15"	0.5"
16"	1"
17"	0.5"
18"	1"
19"	0.5"
20"	1"
21"	0.5"
22"	1"
23"	0.5"
24"	1"
36"	1"
48"	1"
60"	1"
72"	1"
84"	1"
96"	1"

OPTIMAL 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"	10.50"		10.75"	
13"	12.50"		12.75"	
14"	12.50"		12.75"	
15"	14.50"		14.75"	
16"	14.50"		14.75"	
17"	16.50"		16.75"	
18"	16.50"		16.75"	
19"	18.50"		18.75"	
20"	18.50"		18.75"	
21"	20.50"		20.75"	
22"	20.50"		20.75"	
23"	22.50"		22.75"	
24"	22.50"		22.75"	
36"	34.50"		34.75"	
48"	46.50"		46.75"	
60"	58.50"		58.75"	
72"	70.50"		70.75"	
84"	82.50"		82.75"	
96"	94.50"		94.75"	

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.





MICRO 5 POP MUD-IN-ENCAPSULATED (03) FOR TUNABLE APPLICATIONS

24VDC Linear Fixtures - Recessed





DW ENC 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"

COMPATIBLE POWER SUPPLIES

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

DIM TO LEVEL	INDOOR	OUTDOOR
	MICRO 5-DW Tunable Applications	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	Q-SET-QZ-DMX QOM-eLED+DALI-DT6 QOM-eLED+DALI-DT8 QOM-eLED+PS-DALI-DT6 QOM-eLED+PS-DALI-DT8 QOM-eLED+TW
1%	QZ-DALI-DT8	Q-SET+QZ-DALI-DT8 QZ-DALI-DT8
10%	Non-Dim Power Supply with TW App Dongle	

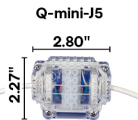


MICRO 5 POP MUD-IN-ENCAPSULATED (03) FOR TUNABLE APPLICATIONS

24VDC Linear Fixtures - Recessed

DIMMING PROTOCOL	INDOOR	OUTDOOR
	MICRO 5-DW Tunable Applications	MICRO 5-DW Tunable Applications
0-10V	QT-CAB-eLED+TW QT-CAB-eLED+TW-AWN QTM-eLED+TW QTM-eLED+TW-AWN	QOM-eLED+TW
Lutron Athena	QT-CAB-eLED+DALI-DT8-AWN QT-CAB-eLED+TW-AWN QTM-eLED+DALI-DT8-AWN QTM-eLED+TW-AWN	
DMX LED wattage must be doubled for DW-HE products		Q-SET-QZ-DMX
DALI-2: DT6 LED wattage must be doubled for DW-HE products except for AWN	QT-CAB-eLED+DALI-DT6 QTM-eLED+DALI-DT6	QOM-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	Q-SET+QZ-DALI-DT8 QOM-eLED+DALI-DT8 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

SCENE APP DONGLE



Wi-Fi or Bluetooth Connectivity

COMPATIBLE APPS

NFC APP



Read and write DMX addresses and adjust voltage