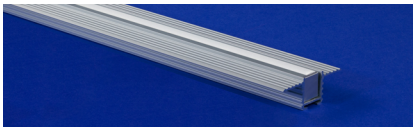
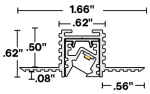
MICRO 5 POP MUD-IN-ENCAPSULATED (03) STATIC WHITE

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
- Suitable for installation in the storage area of a clothes closet when specified with LEDs at 2.0 watts or less per foot per NEC regulations

ORDERING PROCESS

(A) Specify LED Fixture

(B) Specify MUD-IN Housing

A. LED FIXTURE

INFORMATION REQUIRED FOR LIGHTING SCHEDULE				
A1 PRODUCT	A2 WATTS/ FT	A3 CCT	A4 RATED	A5 LENS
			ENC	TL

ADDITIONAL INFORMATION REQUIRED TO ORDER								
A6 WIRE INPUT/ OUTPUT	A7 CONNECTOR/ WIRE IN	A8 CONNECTOR/ WIRE OUT	A9 WIRE COLOR	A10 WIRE TYPE	A11 MOUNTING	A12 FINISH	A13 LENGTH (IN)	A14 EXACT/ OPTIMAL

Sample Part Number: **POP-MD-03-SW-4.0-30-ENC-TL-S1A-BW-CLS-WH-CL2-MG-SP-48"-E**

A1 PRODUCT

POP-MD-03-SW
POP-MD-03-SW-USA

Select USA option for BAA and BABA projects.
See following pages for compatible power supplies.

A2 WATTS/FT

1.0	1.0W/ft
2.0	2.0W/ft
4.0	4.0W/ft

A3 CCT

24	2400K
27	2700K
30	3000K
35	3500K
40	4000K

A4 RATED

ENC	IP67

A5 LENS

TL	Translucent

For representation of LED visibility, see Diode Visibility section on following pages.For beam angles, see Photometric Performance section on following pages

A6 WIRE INPUT/OUTPUT

SINGLE (Input Only)

S1A	End Feed
S1B	End Feed
S2A	Bottom Feed
S2B	Bottom Feed

For continuous mounting, consider bottom feed.

PASS THROUGH (Input/output)

P1A	End Feed
P1B	End Feed
P2A	Bottom Feed
P2B	Bottom Feed

For continuous mounting, consider bottom feed.

A7 CONNECTOR/WIRE IN

BW Bare 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)

BW Bare 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)

A8 CONNECTOR/WIRE OUT

CLS Closed End (No feed)

BW Bare 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)

A9 WIRE COLOR

WH	White
BK	Black

A10 WIRE TYPE

CL2	Class 2
CL2P	Plenum Rated

CL2P only available with bare wire leads (BW)

A11 MOUNTING

SC	Screw
SP	Spring Clip

For either mounting option POP-MD-MNT-KIT is required for mounting POP into the Mud-In Channel

A12 FINISH

ST	Satin
BK	Black
BZ	Bronze
WH	White
CU	Custom

Custom finishes require a longer lead time, consult factory

A13 LENGTH (IN)

Minimum length is 12", maximum length is 98.43" not including end caps. Contact us for lengths under 12".

A14 EXACT/OPTIMAL

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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MICRO 5 POP MUD-IN-ENCAPSULATED (03) STATIC WHITE

24VDC Linear Fixtures - Recessed

B. MUD-IN HOUSING

B1 PRODUCT	B2 LENGTH
POP-MD	

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

B1

PRODUCT
POP-MD

B2

LENGTH	
FCN	Field Cuttable
CTL	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.

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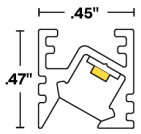
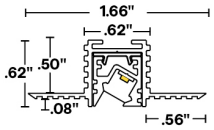
MICRO 5 POP MUD-IN-ENCAPSULATED (03) STATIC WHITE

24VDC Linear Fixtures - Recessed

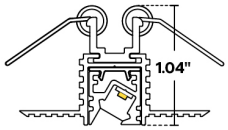
A1 PRODUCT - DIMENSIONS



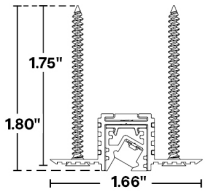
Profile



Profile with mud-in accessory



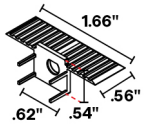
Profile with mud-in accessory and spring clip



Profile with mud-in accessory and screw mount

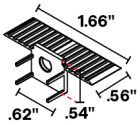
END CAPS

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-SW-**-30-ENC

	1.0 W/FT		2.0 W/FT		4.0 W/FT	
	LM/FT	CRI	LM/FT	CRI	LM/FT	CRI
TL	29	95	55	95	119	95

A5 DIODE VISIBILITY

ENC/TL - Translucent encapsulation

TEMPERATURE RATINGS

	1.0 W/FT		2.0 W/FT		4.0 W/FT	
	Min	Max	Min	Max	Min	Max
Ambient Operating Temp - Recessed	-4°F	130°F	-4°F	120°F	-4°F	105°F

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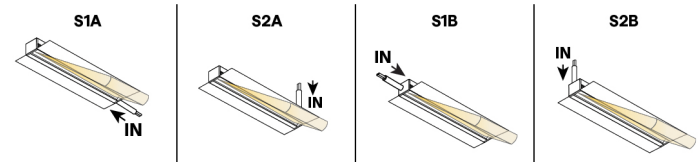
MICRO 5 POP MUD-IN-ENCAPSULATED (03) STATIC WHITE

24VDC Linear Fixtures - Recessed

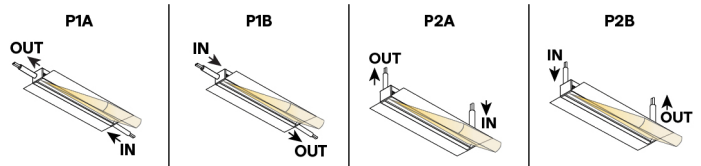
A6 WIRE INPUT/OUTPUT

ASYMMETRIC ONLY SINGLE (Input only)



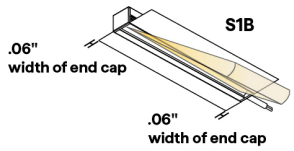
End Feed | Bottom Feed | End Feed | Bottom Feed

ASYMMETRIC ONLY PASS THROUGH (Input/Output)

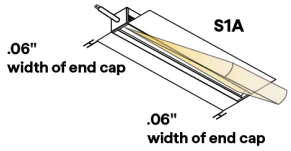


End Feed | End Feed | Bottom Feed | Bottom Feed

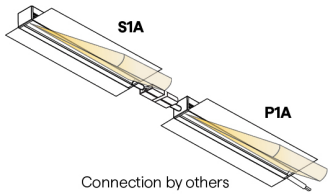
CONFIGURATION OPTIONS



Single End Feed

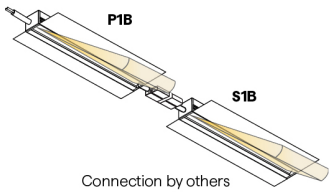


Single End Feed



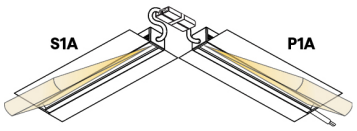
Connection by others

Non-Continuous End Feed



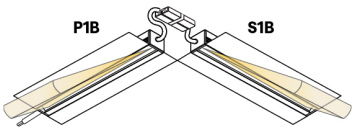
Connection by others

Non-Continuous End Feed



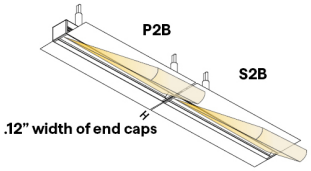
Connection by others

Non-Continuous Corner Feed

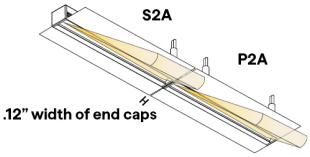


Connection by others

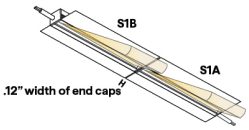
Non-Continuous Corner Feed



Continuous Bottom Feed



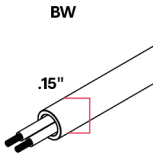
Continuous Bottom Feed



Continuous End to End Feed

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



Bare Wire 24"
22 AWG

A9 WIRE COLOR

White

Black

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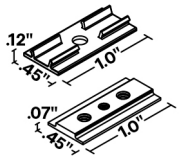
MICRO 5 POP MUD-IN-ENCAPSULATED (03) STATIC WHITE

24VDC Linear Fixtures - Recessed

A11 MOUNTING

POP-MD-MNT-KIT



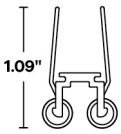
Plastic Clip Kit

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



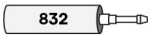
Spring Clip

Only to be used with mud-in accessory

4 clips provided for each full length of MUD-IN

To order separately use SP-02

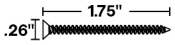
832



832 Silicone

Sold separately

SC



Screw

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

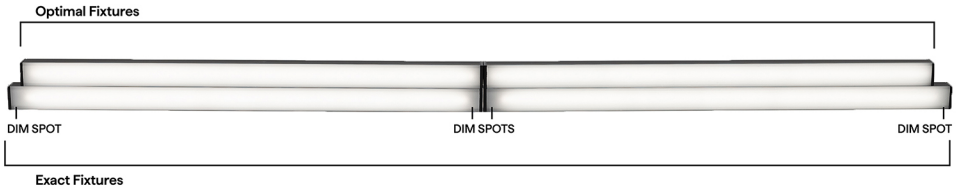
A12 FINISH

- Satin
- Black
- Bronze
- White

Custom finishes require a longer lead time, consult factory

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.



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MICRO 5 POP MUD-IN-ENCAPSULATED (03) STATIC WHITE

24VDC Linear Fixtures - Recessed

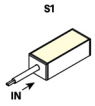
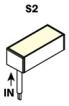
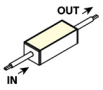
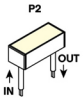
SW ENC LENGTHS BY INCH

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"	.5"
13"	.5"
14"	.5"
15"	.5"
16"	.5"
17"	.5"
18"	.5"
19"	.5"
20"	.5"
21"	.5"
22"	.5"
23"	.5"
24"	.5"
36"	.5"
48"	.5"
60"	.5"
72"	.5"
84"	.5"
96"	.5"

OPTIMAL LENGTH

Requested Nominal Length	S1A/B & S2A/B		P1A/B & P2A/B	
	 End Feed	 Bottom Feed	 End Feed	 Bottom Feed
12"	11.5"		11.75"	
13"	12.5"		12.75"	
14"	13.5"		13.75"	
15"	14.5"		14.75"	
16"	15.5"		15.75"	
17"	16.5"		16.75"	
18"	17.5"		17.75"	
19"	18.5"		18.75"	
20"	19.5"		19.75"	
21"	20.5"		20.75"	
22"	21.5"		21.75"	
23"	22.5"		22.75"	
24"	23.5"		23.75"	
36"	35.5"		35.75"	
48"	47.5"		47.75"	
60"	59.5"		59.75"	
72"	71.5"		71.75"	
84"	83.5"		83.75"	
96"	95.5"		95.75"	

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-SW	MICRO 5-SW
Dim to Black	Q6M-DC+CAP QTM-DC+CAP iQ-PH iQ-PH+QD1	QOM-DC+CAP QOM-PH
0.1%	QT-CAB-QZ-PH/0-10V QT-CAB-eLED+0-10V QT-CAB-eLED+0-10V-AWN QT-CAB-eLED+DALI-DT6 QT-CAB-eLED+DALI-DT6-AWN QTM-eLED+0-10V QTM-eLED+0-10V-AWN QTM-eLED+DALI-DT6 QTM-eLED+DALI-DT6-AWN QZ-BOWTIE+DIMMER QZ-DMX QZ-PH/0-10V QZ-STICK-PH/0-10V QZLP	Q-SET-QZ-DMX Q-SET-QZ-PH/0-10V Q-SET-eLED+0-10V QOM-eLED+0-10V QOM-eLED+DALI-DT6 QOM-eLED+PS-DALI-DT6 QZ-DMX QZ-PH/0-10V
1%	QTM-eLED(E) QZ-DALI-DT6	Q-SET+QZ-DALI-DT6 QZ-DALI-DT6
10%	Non-Dim Power Supply with SW App Dongle	Q-HEX-mini-DC Q-SET-mLED

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MICRO 5 POP MUD-IN-ENCAPSULATED (03) STATIC WHITE

24VDC Linear Fixtures - Recessed

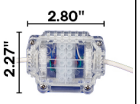
DIMMING PROTOCOL	INDOOR	OUTDOOR
	MICRO 5-SW	MICRO 5-SW
Non-Dim	QT-CAB-eLED-ND QTM-eLED-ND QZ-ND	Q-SET-QZ-ND Q-SET-eLED-ND QOM-eLED-ND QZ-ND iQ-ND-50-65
Phase	Q6M-DC+CAP QT-CAB-QZ-PH/0-10V QTM-DC+CAP QTM-eLED(E) QZ-BOWTIE+DIMMER QZ-PH/0-10V QZ-STICK-PH/0-10V QZLP iQ-PH iQ-PH+QD1	Q-HEX-mini-DC Q-SET-QZ-PH/0-10V Q-SET-mLED QOM-DC+CAP QOM-PH QZ-PH/0-10V
0-10V	QT-CAB-QZ-PH/0-10V QT-CAB-eLED+0-10V QT-CAB-eLED+0-10V-AWN QTM-eLED+0-10V QTM-eLED+0-10V-AWN QZ-PH/0-10V QZ-STICK-PH/0-10V QZLP	Q-SET-QZ-PH/0-10V Q-SET-eLED+0-10V QOM-eLED+0-10V QZ-PH/0-10V
Lutron Athena	QT-CAB-eLED+0-10V-AWN QT-CAB-eLED+DALI-DT6-AWN QTM-eLED+0-10V-AWN QTM-eLED+DALI-DT6-AWN	
ECO System	QTM-eLED(E)	
DMX	QZ-DMX	Q-SET-QZ-DMX QZ-DMX
DALI-2: DT6	QT-CAB-eLED+DALI-DT6 QT-CAB-eLED+DALI-DT6-AWN QTM-eLED+DALI-DT6 QTM-eLED+DALI-DT6-AWN QZ-DALI-DT6	Q-SET+QZ-DALI-DT6 QOM-eLED+DALI-DT6 QZ-DALI-DT6
SCENE App Dimmed	Non-Dim Power Supply with SW App Dongle	

COMPATIBLE WIRING ACCESSORIES

Q-mini-J

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

Q-mini-J5



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

BARREL-EXT

8ft barrel cable extender
DRY ONLY

BARREL FOUR-FER

Splits lead from one to four LED Barrel connector fixtures, DRY/DMP

CON120-EXT

10ft Con cable extender
DRY/DMP/WET

CON FOUR-FER

Splits lead from one to four LED Con connectors
DRY/DMP/WET

CON M - BARREL F

Male con to barrel cable adaptor
DRY/DMP

COMPATIBLE CONTROL ACCESSORIES

SCENE APP DONGLE

Wi-Fi or Bluetooth Connectivity

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COMPATIBLE APPS

NFC APP

Q-NFC

Read and write DMX addresses and adjust voltage

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