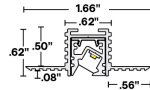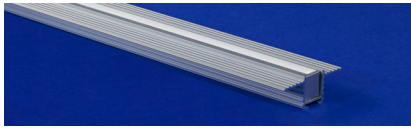# MICRO 5 POP MUD-IN-ENCAPSULATED (03) RGB

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
- Red, Green, and Blue LED allows for color changing applications

ORDERING PROCESS

A Specify LED Fixture   **B** Specify MUD-IN Housing

A. LED FIXTURE

A1 PRODUCT	A2 WATTS/FT	A3 CCT	A4 RATED	A5 LENS	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
POP-MD-03-RGB	4.0	RGB	ENC	TL									

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

A1 PRODUCT

POP-MD-03-RGB

See following pages for compatible power supplies.

A2 WATTS/FT

4.0   4.0W/ft

A3 CCT

RGB

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

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.

P1A   Pass Through 1 (Input/output) - End Feed
P1B   Pass Through 1 (Input/output) - End Feed
P2A   Pass Through 2 (Input/output) - Bottom Feed
P2B   Pass Through 2 (Input/output) - 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 have longer lead times. Non-RAL 9003 whites custom.

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.

B. MUD-IN HOUSING

B1	B2
PRODUCT	**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.
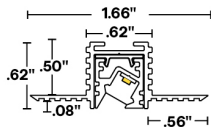
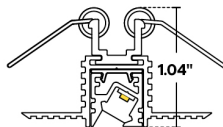# MICRO 5 POP MUD-IN-ENCAPSULATED (03) RGB
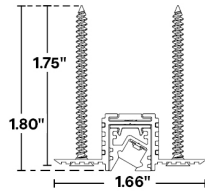24VDC Linear Fixtures - Recessed

A1 PRODUCT - DIMENSIONS

.45"
.47"

Profile

1.66"
.62" .50"
.62"
.08"
.56"

Profile with mud-in
accessory

1.04"
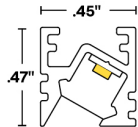
Profile with mud-in accessory
and spring clip

1.75"
1.80"
1.66"

Profile with mud-in
accessory and screw mount

END CAPS

Flat end caps

1.66"
.56"
.62" .54"
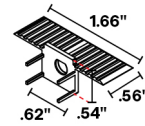
Feed

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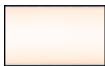POP-EC-MDIN-A-ST

1.66"
.56"
.62" .54"
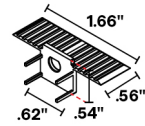
Feed

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

A2 DELIVERED LUMENS

[Calculated L70 = 40000 hrs]
Tested with POP-03-RGB-4.0-RGB-ENC

	Red		Green		Blue		All
	LM/FT	Wavelength	LM/FT	Wavelength	LM/FT	Wavelength	LM/FT
TL	16	627	46	524	13	469	70

A5 DIODE VISIBILITY

ENC/TL - Translucent encapsulation

TEMPERATURE RATINGS

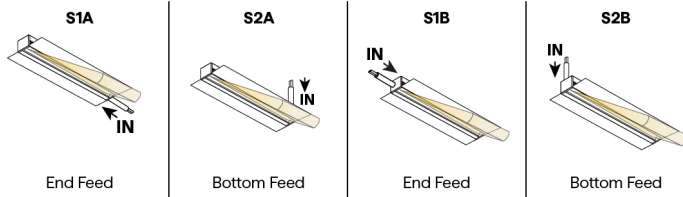|	4.0 W/FT	
	Min	Max
Ambient Operating Temp - Recessed	-4°F	100°F

MICRO 5 POP MUD-IN-ENCAPSULATED (03) RGB
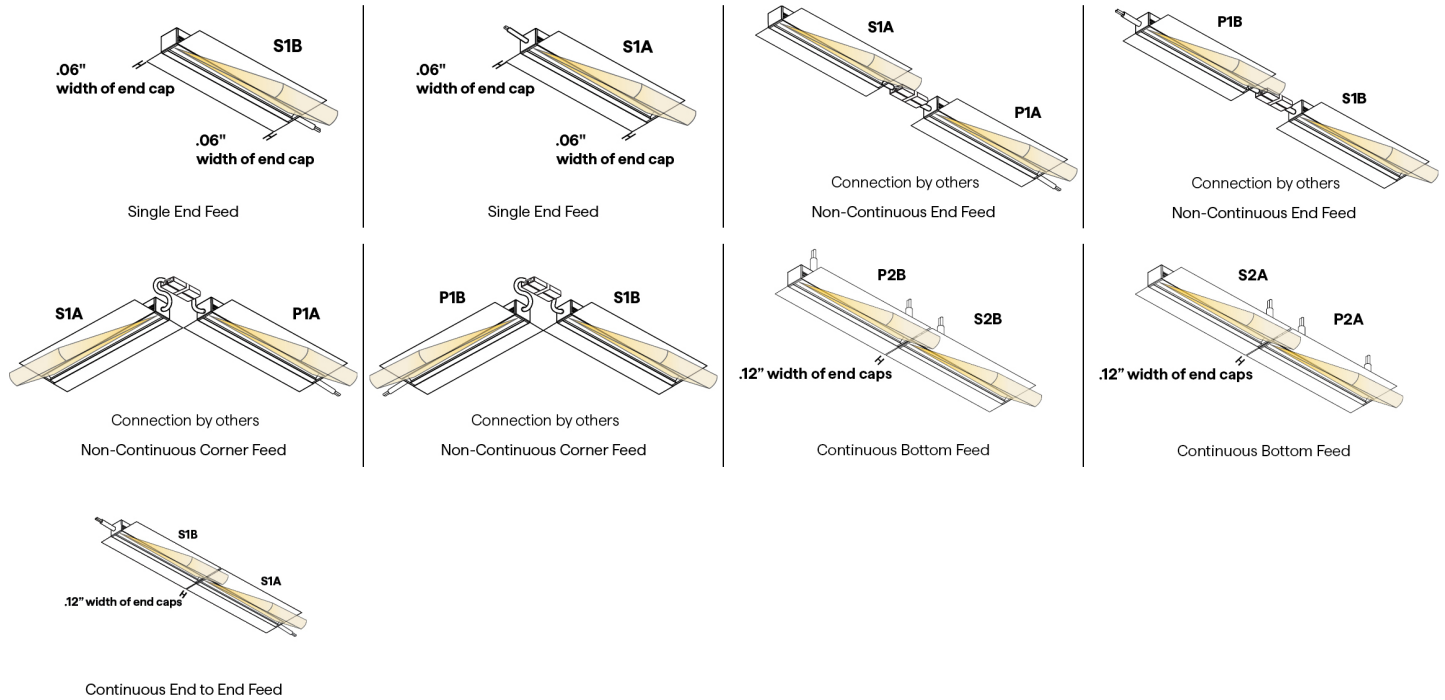## 24VDC Linear Fixtures - Recessed

A6 WIRE INPUT/OUTPUT

ASYMMETRIC ONLY SINGLE (Input only)

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

ASYMMETRIC ONLY PASS THROUGH (Input/Output)

P1A	P1B	P2A	P2B
OUT / IN	IN / OUT	OUT / IN	IN / OUT
End Feed	End Feed	Bottom Feed	Bottom Feed

CONFIGURATION OPTIONS

S1B
.06" width of end cap
.06" width of end cap
Single End Feed

S1A
.06" width of end cap
.06" width of end cap
Single End Feed

S1A
P1A
Connection by others
Non-Continuous End Feed

P1B
S1B
Connection by others
Non-Continuous End Feed

S1A
P1A
Connection by others
Non-Continuous Corner Feed

P1B
S1B
Connection by others
Non-Continuous Corner Feed

P2B
S2B
.12" width of end caps
Continuous Bottom Feed

S2A
P2A
.12" width of end caps
Continuous Bottom Feed

S1B
S1A
.12" width of end caps
Continuous End to End Feed

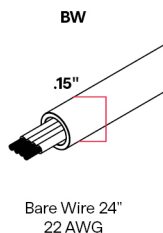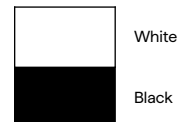## A7 / A8 CONNECTOR/WIRE – IN/OUT

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
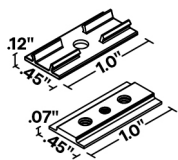
BW
.15"
Bare Wire 24"
22 AWG

A9 WIRE COLOR

White	
Black	

A11 MOUNTING

| POP-MD-MNT-KIT	SP	832	SC
.12" .45" 1.0" .07" .45" 1.0"	1.09"	832	1.75" .26"
Plastic Clip Kit	Spring Clip	832 Silicone	Screw
2 clips provided for 4' or less; 4 clips provided for greater than 4'	Only to be used with mud-in accessory	Sold separately	6 #6x1.75" flat head screws are provided for each full length of MUD-IN
To order separately use POP-MD-MNT-KIT	4 clips provided for each full length of MUD-IN		
Each clip comes with a #4 x 3/16 Flat Head SS" and two #6 x 1/8" long set screws	To order separately use SP-02		

A12 FINISH

Satin

Black

Bronze

White
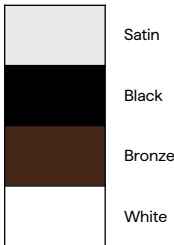
Custom finishes require a longer lead time, consult factory

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.
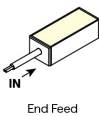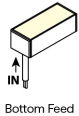
Optimal Fixtures
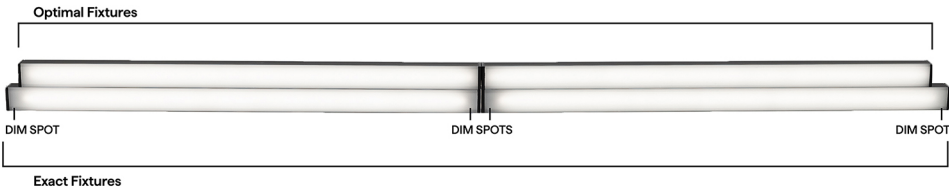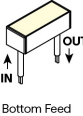
DIM SPOT   DIM SPOTS   DIM SPOT

Exact Fixtures

RGB ENC LENGTHS BY INCH

EXACT LENGTH

Requested Length	Potential dim spot on either end of a S1 fixture — S1 — IN — 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.
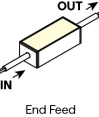
Optimal Fixtures

DIM SPOT   DIM SPOTS   DIM SPOT

Exact Fixtures
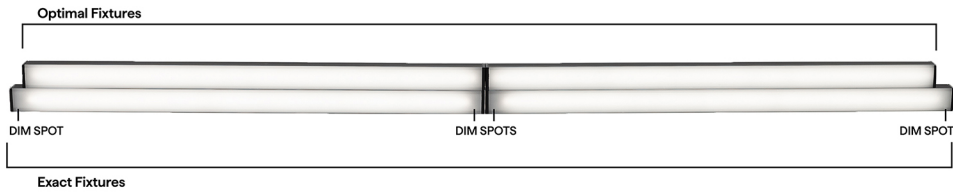
COMPATIBLE POWER SUPPLIES

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

| DIM TO LEVEL	INDOOR	OUTDOOR
	MICRO 5-RGB	MICRO 5-RGB
0.1%	QT-CAB-eLED+DALI-DT8 QT-CAB-eLED+DMX QTM-eLED+DALI-DT8 QTM-eLED+DMX QZ-DMX	Q-SET-QZ-DMX QOM-eLED+DALI-DT8 QOM-eLED+DMX QOM-eLED+PS-DALI-DT8 QZ-DMX
1%	QZ-DALI-DT8	Q-SET+QZ-DALI-DT8 QZ-DALI-DT8
10%	Non-Dim Power Supply with RGB App Dongle	

MICRO 5 POP MUD-IN-ENCAPSULATED (03) RGB

24VDC Linear Fixtures - Recessed

DIMMING PROTOCOL	INDOOR	OUTDOOR
	MICRO 5-RGB	**MICRO 5-RGB**
DMX	QTM-eLED+DMX QZ-DMX	Q-SET-QZ-DMX QOM-eLED+DMX QZ-DMX
DALI-2: DT8	QT-CAB-eLED+DALI-DT8 QTM-eLED+DALI-DT8 QZ-DALI-DT8	Q-SET+QZ-DALI-DT8 QOM-eLED+DALI-DT8 QZ-DALI-DT8

COMPATIBLE WIRING ACCESSORIES

Q-mini-J5

2.80"

2.27"
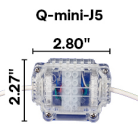
UL Listed, miniature
junction box, DRY/DMP
(WET rated with silicone)

COMPATIBLE CONTROL ACCESSORIES

SCENE APP DONGLE

1.36"

2.58"

Wi-Fi or Bluetooth
Connectivity

COMPATIBLE APPS

NFC APP

Q-NFC

Read and write
DMX addresses and
adjust voltage