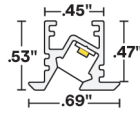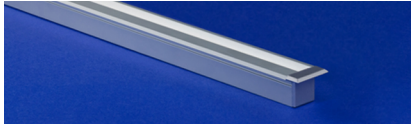# MICRO 5 POP FLANGE-ENCAPSULATED (03) FOR TUNABLE APPLICATIONS

24VDC Linear Fixtures - Recessed

.45"
.53"
.47"
.69"

- MICRO 5 Series linear LED flanged fixture engineered for exceptional light quality and even distribution, seamlessly blending with millwork details
- Asymmetric fixture with a 75° focused beam 20° off-nadir
- Features high-quality LED strips encapsulated in polyurethane in a rigid extrusion providing a robust fixture
- Encapsulation is available in clear or translucent
- Suitable for indoor and outdoor locations
- Ideal for recessed installations that call for low-profile light in small areas
- Used in applications where CCT and brightness need to be controlled separately
- When using DALI and DMX power supplies, LED wattage must be doubled

INFORMATION REQUIRED FOR LIGHTING SCHEDULE

① PRODUCT	② WATTS/ FT	③ CCT	④ RATED	⑤ LENS
	2.0		ENC	TL

ADDITIONAL INFORMATION REQUIRED TO ORDER

⑥ WIRE INPUT/ OUTPUT	⑦ CONNECTOR/ WIRE IN	⑧ CONNECTOR/ WIRE OUT	⑨ WIRE COLOR	⑩ WIRE TYPE	⑪ MOUNTING	⑫ FINISH	⑬ LENGTH (IN)	⑭ EXACT/ OPTIMAL

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

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① PRODUCT

POPF-03-DW
POPF-03-DW-USA

Select USA option for BAA and BABA projects.

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.

② WATTS/FT

2.0 — 2.0W/ft

③ CCT

24/30 — 2400K/3000K
27/40 — 2700K/4000K

④ RATED

ENC — IP67

⑤ 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

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⑥ 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.

⑦ CONNECTOR/WIRE IN

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)

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)

⑧ CONNECTOR/WIRE OUT

CLS — Closed End (No feed)

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)

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⑨ WIRE COLOR

WH — White
BK — Black

⑩ WIRE TYPE

CL2 — Class 2
CL2P — Plenum Rated

CL2P only available with bare wire leads (BW)

⑪ MOUNTING

MG — Magnet
832 — 832 Silicone
SP — Spring Clip
PL — Plastic Clip

⑫ FINISH

ST — Satin
BK — Black
BZ — Bronze
WH — White
CU — Custom

Custom finishes have longer lead times. Non-RAL 9003 whites custom.

⑬ LENGTH (IN)

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

⑭ EXACT/OPTIMAL

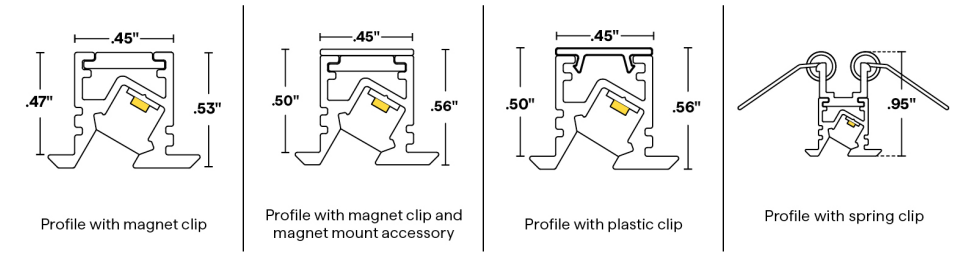**E** — Exact specified length
O — Optimal illumination

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

1 PRODUCT - DIMENSIONS

Profile with magnet clip

Profile with magnet clip and magnet mount accessory

Profile with plastic clip

Profile with spring clip

2 DELIVERED LUMENS

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

	3000K	
	LM/FT	CRI
TL	58	95

5 DIODE VISIBILITY

ENC/TL - Translucent encapsulation
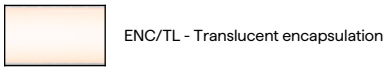
TEMPERATURE RATINGS

	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

6 WIRE INPUT/OUTPUT

ASYMMETRIC ONLY SINGLE (Input only)

S1A	S2A	S1B	S2B
End Feed	Bottom Feed	End Feed	Bottom Feed
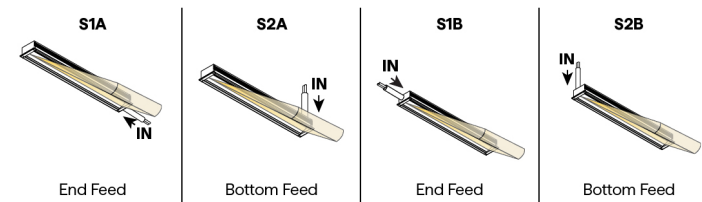
ASYMMETRIC ONLY PASS THROUGH (Input/Output)
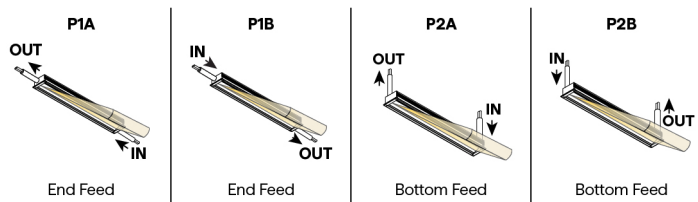
P1A	P1B	P2A	P2B
End Feed	End Feed	Bottom Feed	Bottom Feed

Specification subject to change. Rev-01-13-26

MICRO 5 POP FLANGE-ENCAPSULATED (03) FOR TUNABLE APPLICATIONS
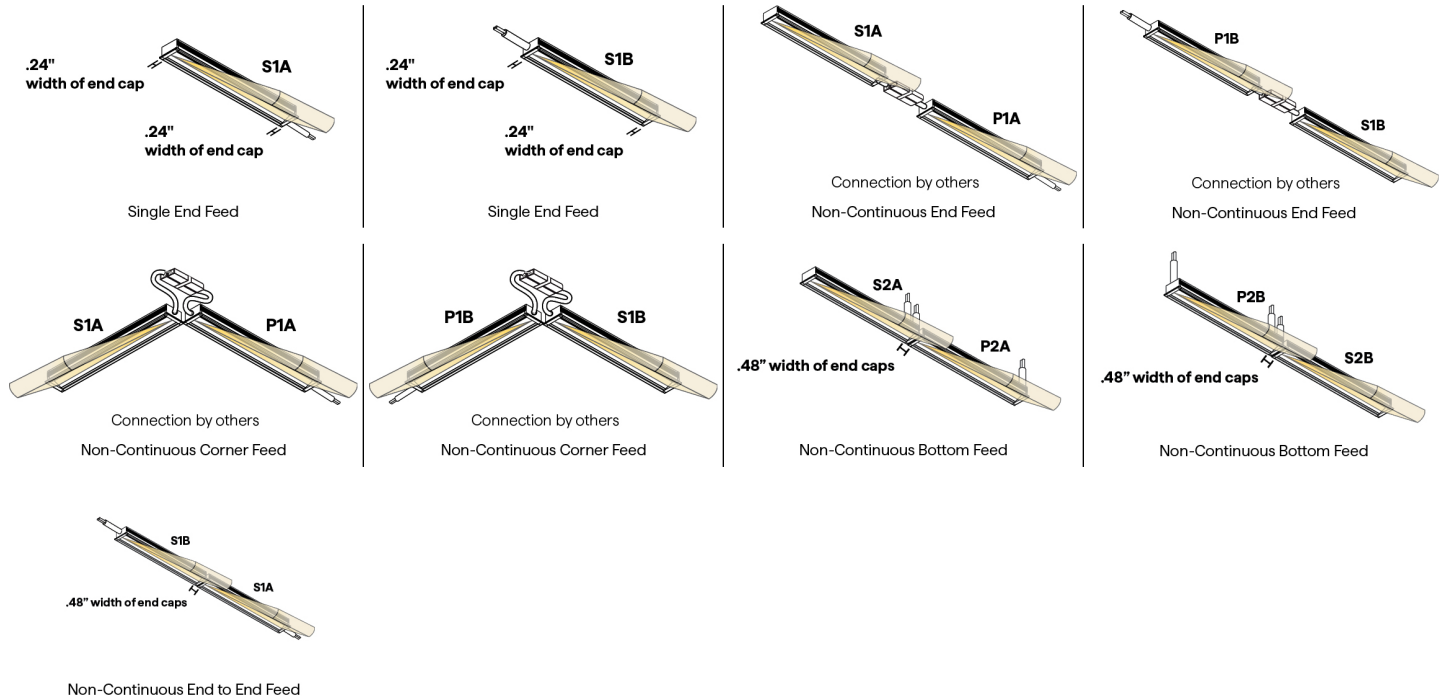
24VDC Linear Fixtures - Recessed

CONFIGURATION OPTIONS

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

.24" width of end cap
.24" width of end cap
S1B
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

S2A
P2A
.48" width of end caps
Non-Continuous Bottom Feed

P2B
S2B
.48" width of end caps
Non-Continuous Bottom Feed

S1B
S1A
.48" width of end caps
Non-Continuous End to End Feed

⑦ / ⑧ 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
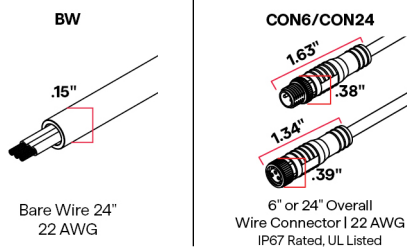
BW
.15"
Bare Wire 24"
22 AWG

CON6/CON24
1.63"
.38"
1.34"
.39"
6" or 24" Overall
Wire Connector | 22 AWG
IP67 Rated, UL Listed

⑨ WIRE COLOR

White

Black

11 MOUNTING

| **MG**	**PL**	**SP**	**832**	**MMA-05**
.07" / 1" / .37"	.12" / 1.0" / .45"	1.09"	832	.03" / 12" / .45"
Magnet Clip	Plastic Clip	Spring Clip	832 Silicone	Magnet Mount Accessory for MG-05
One MG provided per foot	2 clips provided for 4' or less; 4 clips provided for greater than 4'	2 clips provided for 4' or less. 4 clips provided for greater than 4'.	Sold separately	Sold separately, to order use MMA-05
To order separately use MG-05	To order separately use PLC-16	To order separately use SP-02		Each bracket comes with 2 #6 x 5/8" Flat Head SS per foot
	Each clip comes with a #6x1/4" and #6x1/2" Flat Head SS			Required when mounting to a non-magnetic surface

12 FINISH

- Satin
- Black
- Bronze
- White
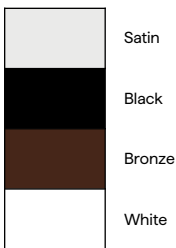
Custom finishes require a longer lead time, consult factory

15 EXACT/OPTIMAL FIXTURE LENGTH   [E/O Length Calculator →]   [E/O Explained →]

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

Specification subject to change. Rev-01-13-26
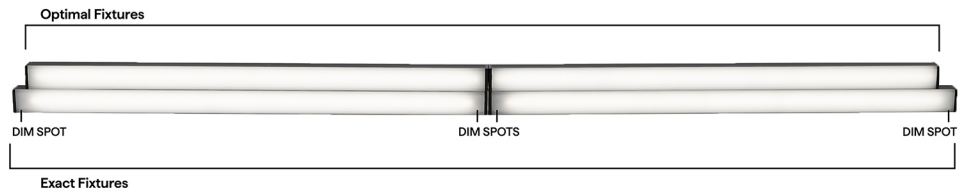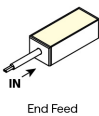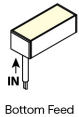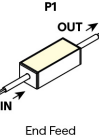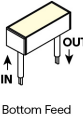
DW ENC LENGTHS BY INCH

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"	

14 EXACT/OPTIMAL FIXTURE LENGTH [E/O Length Calculator →] [E/O Explained →]

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
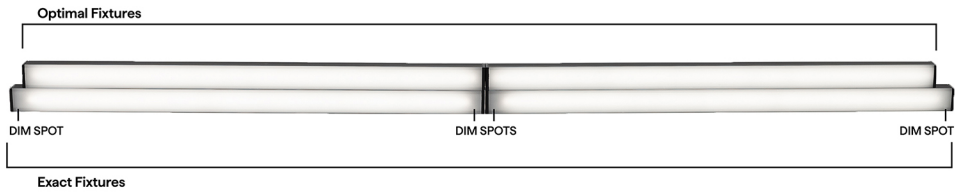
COMPATIBLE POWER SUPPLIES

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

DIM TO LEVEL	INDOOR	OUTDOOR
	MICRO 5-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	

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

Q-mini-J5

2.80"

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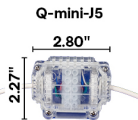
UL Listed, miniature junction box, DRY/DMP (WET rated with silicone)

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