# MICRO 5 POP FLANGE-FLAT (01) RGB

24VDC Linear Fixtures - Recessed

- 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
- Ideal for recessed installations that call for low-profile light in small areas
- Red, Green, and Blue LED allows for color changing applications
- Consult factory for field assembly options

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

INFORMATION REQUIRED FOR LIGHTING SCHEDULE

1 PRODUCT	**2** WATTS/FT	**3** CCT	**4** RATED	**5** LENS
POPF-01-RGB	4.0	RGB		

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-01-RGB-4.0-30-DRY-DF-S1A-BW-CLS-WH-CL2-MG-ST-48"-E**

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1 PRODUCT

POPF-01-RGB

See following pages for compatible power supplies.

2 WATTS/FT

4.0   4.0W/ft

3 CCT

RGB

4 RATED

DRY   IP20
DMP   IP54

5 LENS

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

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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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24VDC Linear Fixtures - Recessed

1 PRODUCT - DIMENSIONS

Profile

Profile with magnet clip

Profile with magnet clip and magnet mount accessory

Profile with plastic clip

Profile with spring clip
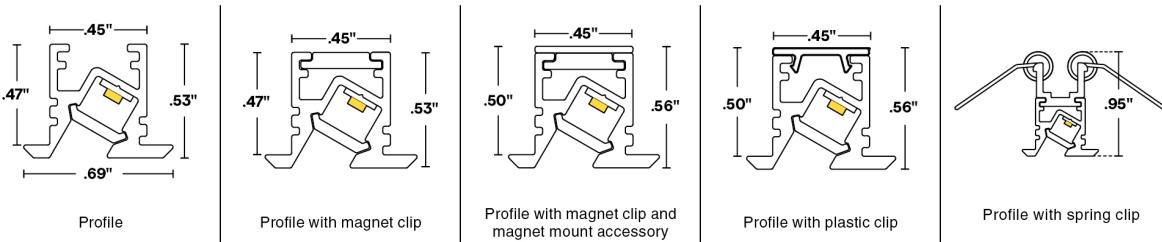
2 DELIVERED LUMENS

[Calculated L70 = 52000 hrs]
Tested with POPF-01-RGB-4.0-RGB-DRY

	Red		Green		Blue		All
	LM/FT	Wavelength	LM/FT	Wavelength	LM/FT	Wavelength	LM/FT
PR	24	627	71	522	19	469	108
DF	22	627	66	522	18	469	97

5 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.

4W/ft

75.6°

75°
20°
0° (NADIR)
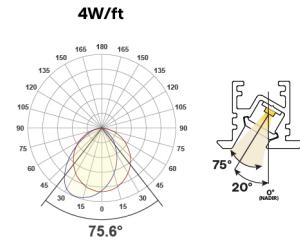
DF lens in green

TEMPERATURE RATINGS

		4.0 W/FT	
		Min	Max
DRY	Ambient Operating Temp - Recessed	-4°F	110°F
DMP	Ambient Operating Temp - Recessed	-4°F	105°F

6 WIRE INPUT/OUTPUT

ASYMMETRIC ONLY SINGLE (Input only)

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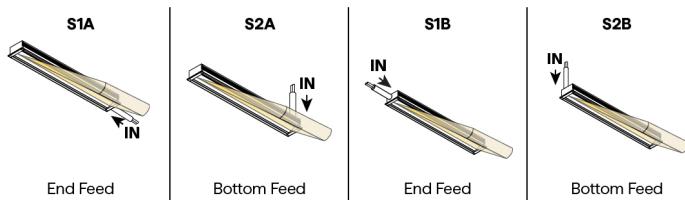
ASYMMETRIC ONLY PASS THROUGH (Input/Output)
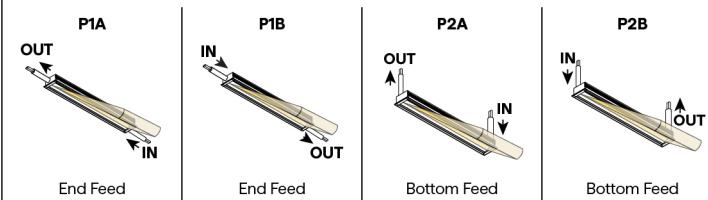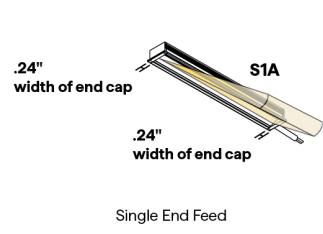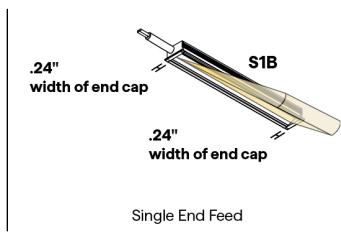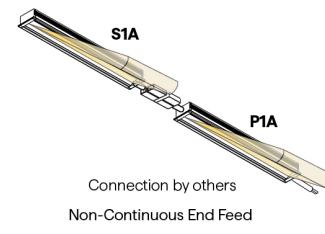
P1A	P1B	P2A	P2B
OUT / IN	IN / OUT	OUT / IN	IN / OUT
End Feed	End Feed	Bottom Feed	Bottom Feed

CONFIGURATION OPTIONS

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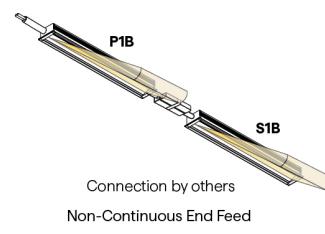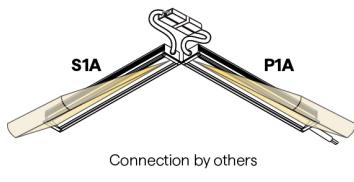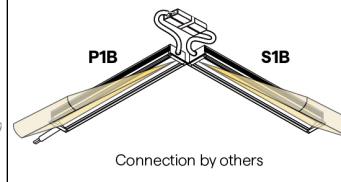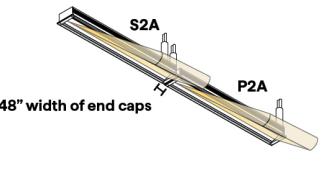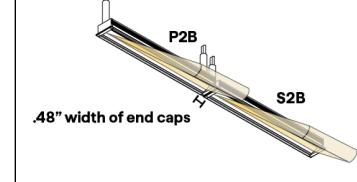
S1B / S1A
.48" width of end caps
Non-Continuous End to End Feed

## 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
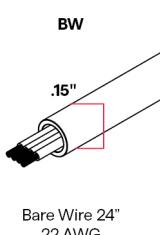
CON6/CON24
1.65"
.57"
1.61"
.57"
6" or 24" Overall
Wire Connector | 24 AWG
IP67 Rated, UL Listed

9 WIRE COLOR
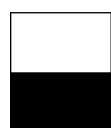
⬜	White
⬛	Black

11 MOUNTING

	MG	**PL**	**SP**	**832**	**MMA-05**

MG — .07", 1", .37"

PL — .12", .45", 1.0"

SP — 1.09"

832

MMA-05 — .03", .45", 12"

Magnet Clip

One MG provided per foot

To order separately use MG-05

Plastic Clip

2 clips provided for 4' or less; 4 clips provided for greater than 4'

To order separately use PLC-16

Each clip comes with a #6x1/4" and #6x1/2" Flat Head SS

Spring Clip

2 clips provided for 4' or less. 4 clips provided for greater than 4'.

To order separately use SP-02

832 Silicone

Sold separately

Magnet Mount Accessory for MG-05

Sold separately, to order use MMA-05

Each bracket comes with 2 #6 x 5/8" Flat Head SS per foot

Required when mounting to a non-magnetic surface

12 FINISH
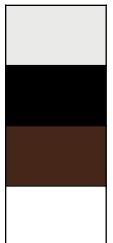
- Satin
- Black
- Bronze
- White

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
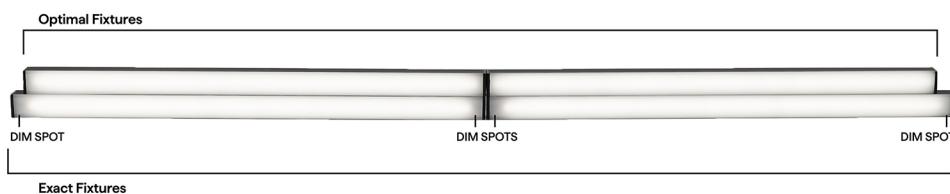
DIM SPOT   DIM SPOTS   DIM SPOT

Exact Fixtures

RGB DRY DMP 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 — IN — End Feed	S2 — IN — Bottom Feed	P1 — OUT — IN — End Feed	P2 — OUT — IN — 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 →]

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Optimal Fixtures

DIM SPOT   DIM SPOTS   DIM SPOT

Exact Fixtures
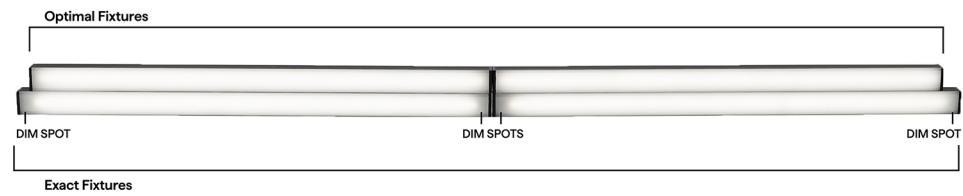
COMPATIBLE POWER SUPPLIES

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

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

DIMMING PROTOCOL	INDOOR
	MICRO 5-RGB
DMX	QTM-eLED+DMX QZ-DMX
DALI-2: DT8	QT-CAB-eLED+DALI-DT8 QTM-eLED+DALI-DT8 QZ-DALI-DT8

COMPATIBLE WIRING ACCESSORIES

Q-mini-J5

2.80"

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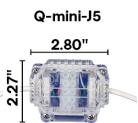
UL Listed, miniature
junction box, DRY/DMP
(WET rated with silicone)

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