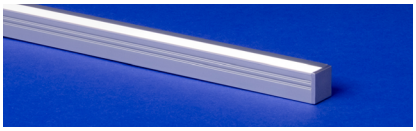
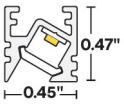
# MICRO 5 POP-FLAT (01) FOR WARM DIM APPLICATIONS

24VDC Linear Fixtures - Surface & Recessed






- MICRO 5 Series linear LED fixture engineered for exceptional light quality and even distribution, seamlessly blending with millwork details
- Asymmetric fixture with an 80° focused beam 20° off-nadir
- Ideal for recessed installations that call for low-profile light in small areas
- Used in applications to provide warmer CCTs as the light is dimmed
- When using DALI and DMX power supplies, LED wattage must be doubled
- Consult factory for field assembly options

## Specify either factory assembled fixtures or field assembled extrusions and LEDs.

**A** LEDs will be installed into a complete fixture. Ideal for single fixtures. Avoids installers needing to handle the delicate 5mm LED.

**OR**

**B** Extrusions and LEDs will be shipped not installed. Ideal for long runs or light with no interruptions in LED up to Class 2 limitations. Due to the delicate nature of the 5mm LED, care must be taken in the installation process

### A. Factory Assembled Option

**INFORMATION REQUIRED FOR LIGHTING SCHEDULE**

| A1 PRODUCT | A2 WATTS/ FT | A3 CCT | A4 RATED | A5 LENS |
|---|---|---|---|---|
| | 2.0 | | | |

**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-01-DW-2.0-20/30-DRY-DF-S1A-BW-CLS-WH-CL2-MG-ST-48"-E**

#### A1 PRODUCT

**POP-01-DW**
**POP-01-DW-USA**

Select USA option for BAA and BABA projects. Only DRY ratings apply. DMP options will require custom modifications, contact factory.

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.

#### A2 WATTS/FT

| | |
|---|---|
| **2.0** | 2.0W/ft |

#### A3 CCT

| | |
|---|---|
| **18/30** | 1800K/3000K |
| **18/35** | 1800K/3500K |
| **20/27** | 2000K/2700K |
| **20/30** | 2000K/3000K |
| **24/40** | 2400K/4000K |
| **27/40** | 2700K/4000K |
| **27/55** | 2700K/5500K |

#### A4 RATED

| | |
|---|---|
| **DRY** | IP20 |
| **DMP** | IP54 |

#### A5 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

#### 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") |
| **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)

#### A8 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)

#### 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

| | |
|---|---|
| **MG** | Magnet |
| **832** | 832 Silicone |
| **PL** | Plastic Clip |

#### 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 are the exact length specified +0 – 1/8". Optimal fixtures' length is rounded down with illumination end to end. See Exact/Optimal Fixture Length charts.

5 year warranty | Warranty only valid with QTL power supplies | Field modifications must comply with QTL's installation methods otherwise warranty is null & void | Data subject to change, all data has +/- 5% tolerance

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Specification subject to change. Rev-10-08-26

# MICRO 5 POP-FLAT (01) FOR WARM DIM APPLICATIONS

24VDC Linear Fixtures - Surface & Recessed

### B. Field Assembled Option

| EXTRUSION ORDERING | | | | | |
|---|---|---|---|---|---|
| B1 | B2 | B3 | B4 | B5 | B6 |
| PRODUCT | FINISH | MOUNTING | LENS | WIRE INPUT/ OUTPUT | EXTRUSION LENGTH (IN) |
| POP-01 | | | | NI | |

| LED STRIP ORDERING | | | | | | | |
|---|---|---|---|---|---|---|---|
| B7 | B8 | B9 | B10 | B11 | B12 | B13 | B14 |
| V/ WATTS | RATED | CCT - LUMENS/ CRI | CONNECTOR/ WIRE IN | CONNECTOR/ WIRE OUT | WIRE COLOR | WIRE TYPE | ILLUMINATED LENGTH |
| DW24-5MM/2.0 | | | BW | CLS | | CL2 | |

## EXTRUSION ORDERING

Sample Part Number: **POP-01-ST-MG-DF-NI-98.43"**

**B1 PRODUCT**

**POP-01**

**B2 FINISH**

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

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

**B3 MOUNTING**

**MG** Magnet
**832** 832 Silicone
**PL** Plastic Clip

**B4 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

**B5 WIRE INPUT/OUTPUT**

**NI** Not Installed

**B6 EXTRUSION LENGTH (IN)**

1" increments from 1" - 98.43"
Extrusion Tolerance +0 -1/8".

## LED STRIP ORDERING

Sample Part Number: **DW24-5MM/2.0-DRY-20/27-BW-CLS-WH-CL2-100"**

**B7 V/WATTS**

**DW24-5MM/2.0**

Wattage: 2.0W/ft
Voltage: 24VDC
See following pages for compatible power supplies.

**B8 RATED**

**DRY** IP20
**DMP** IP54

**B9 CCT - LUMENS/CRI**

**18/30** 1800K/3000K
**18/35** 1800K/3500K
**20/27** 2000K/2700K
**20/30** 2000K/3000K
**24/40** 2400K/4000K
**27/40** 2700K/4000K
**27/55** 2700K/5500K

**B10 CONNECTOR/WIRE IN**

**BW** Bare Wire (Standard 24")

**B11 CONNECTOR/WIRE OUT**

**CLS** Closed End (No feed)

**B12 WIRE COLOR**

**WH** White
**BK** Black

**B13 WIRE TYPE**

**CL2** Class 2

**B14 ILLUMINATED LENGTH**

2"-576" in 2" increments

Order LED length needed for each run. Lengths cannot exceed 48' (Class 2). All lengths will have a 2' soldered lead wire attached. This product is not to be field-soldered.

## REQUIRED ACCESSORY

**UNIV-ROLLER**



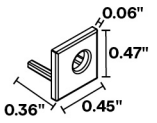
Roller tool used to lay MICRO 5 LED strips into extrusion housing

Included and required for all MICRO 5 field assembled options

To order additional, use UNIV-ROLLER

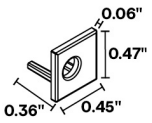
## END CAPS

One pair of end caps is provided with each length of extrusion ordered.



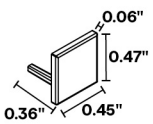

Feed

To order separately, use POP-EC-NF-A




Feed

To order separately, use POP-EC-NF-B




No Feed

To order separately, use POP-EC-NF

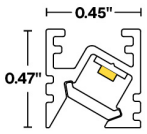
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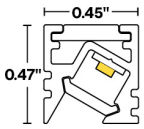
# MICRO 5 POP-FLAT (01) FOR WARM DIM APPLICATIONS

24VDC Linear Fixtures - Surface & Recessed

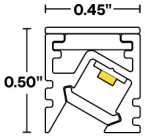
## A1 / B1 PRODUCT - DIMENSIONS



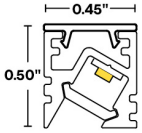

Profile




Profile with magnet clip




Profile with magnet clip and magnet mount accessory




Profile with plastic mounting clip

## A2 / B9 DELIVERED LUMENS

[Calculated L70 = 70000 hrs]
Tested with POP-01-DW-2.0-**-DRY

| | 2000K | | 2700K | | 3000K | | 4000K | | 5500K | |
|---|---|---|---|---|---|---|---|---|---|---|
| | LM/FT | CRI | LM/FT | CRI | LM/FT | CRI | LM/FT | CRI | LM/FT | CRI |
| PR | 77 | 93 | 89 | 98 | 93 | 98 | 95 | 97 | 100 | 97 |
| DF | 69 | 93 | 81 | 98 | 83 | 98 | 86 | 97 | 93 | 97 |

## A5 / B4 DIODE VISIBILITY

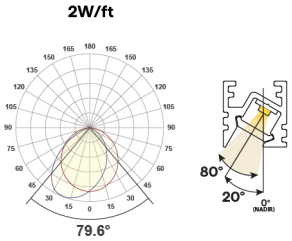


DF - Diffused lens

PR - Polar lens

## PHOTOMETRIC PERFORMANCE

Nominal beam spread shown, beam spread varies based on light engine. For more detailed information, see photometric data.




DF lens at 3000K

## 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 |
| DRY | Ambient Operating Temp - Recessed | -4°F | 130°F | -4°F | 110°F |
| DMP | Ambient Operating Temp - Recessed | -4°F | 130°F | -4°F | 110°F |

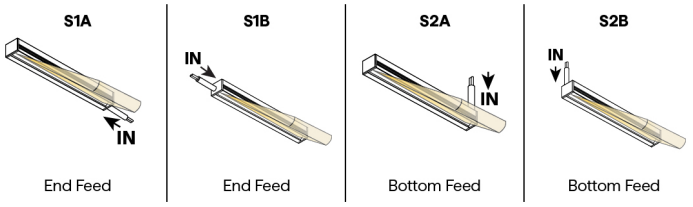
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# MICRO 5 POP-FLAT (01) FOR WARM DIM APPLICATIONS

24VDC Linear Fixtures - Surface & Recessed

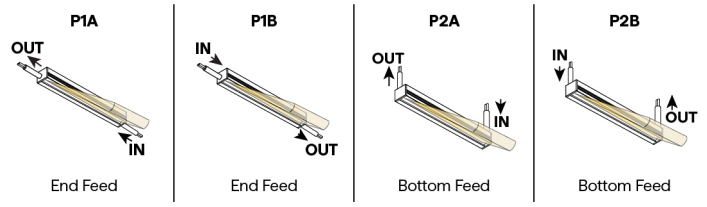
## A6 WIRE INPUT/OUTPUT

ASYMMETRIC ONLY SINGLE (Input only)



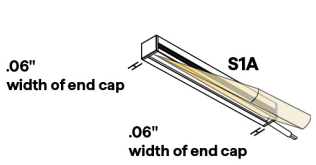

End Feed | End Feed | Bottom Feed | Bottom Feed

ASYMMETRIC ONLY PASS THROUGH (Input/Output) - Only applicable for Non-Field Cuttable Q-CAP

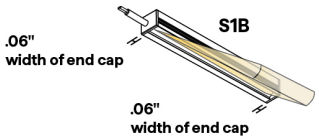



End Feed | End Feed | Bottom Feed | Bottom Feed

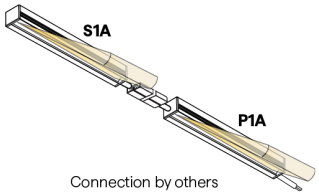
## CONFIGURATION OPTIONS




Single End Feed

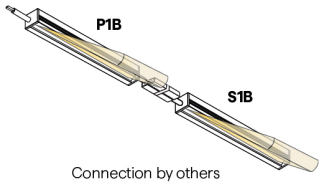



Single End Feed



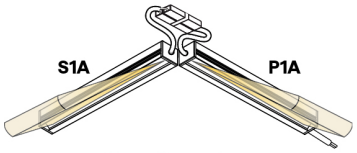

Connection by others

Non-Continuous End Feed



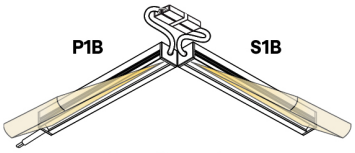

Connection by others

Non-Continuous End Feed



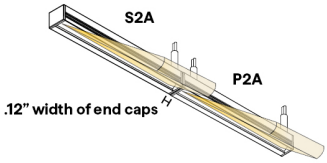

Connection by others

Non-Continuous Corner Feed




Connection by others

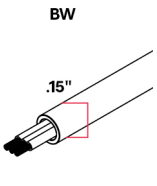
Non-Continuous Corner Feed



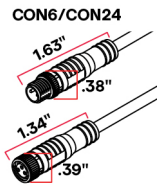

Continuous Bottom Feed

## A7 / A8 / B10 / B11 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

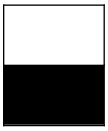



Bare Wire 24"
22 AWG




6" or 24" Overall
Wire Connector | 22 AWG
IP67 Rated, UL Listed

## A9 / B12 WIRE COLOR



White

Black

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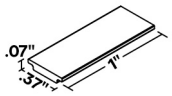
Specification subject to change. Rev-10-08-26

# MICRO 5 POP-FLAT (01) FOR WARM DIM APPLICATIONS

24VDC Linear Fixtures - Surface & Recessed

## A11 / B3 MOUNTING

**MG**

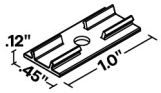



Magnet Clip

One MG provided per foot

To order separately use MG-05

**PL**



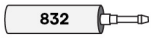

Plastic Clip

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

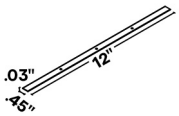
**832**




832 Silicone

Sold separately

**MMA-05**




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

## A12 / B2 FINISH

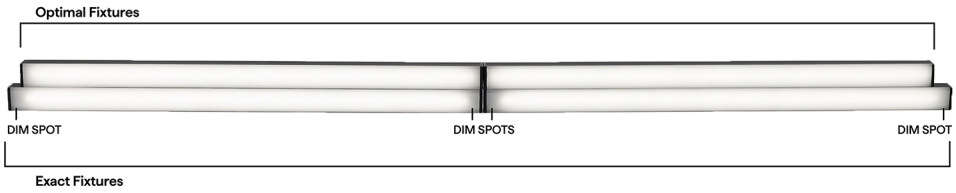
- Satin
- Black
- Bronze
- White

Custom finishes require a longer lead time, consult factory

## A14 EXACT/OPTIMAL FIXTURE LENGTH

E/O Length Calculator →  E/O Explained →

Exact fixtures are the exact length specified +0 – 1/8". 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.



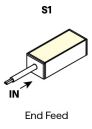

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# MICRO 5 POP-FLAT (01) FOR WARM DIM APPLICATIONS

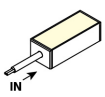
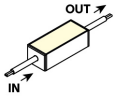
24VDC Linear Fixtures - Surface & Recessed

## DW DRY DMP LENGTHS BY INCH

### EXACT LENGTH

| Requested Length | Potential dim spot on either end of a S1 fixture |
|---|---|
| |   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 | |
|---|---|---|---|---|
| |   End Feed |   Bottom Feed |   End Feed |   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" | |

## 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-DW Warm Dim Applications |
| 0.1% | QT-CAB-eLED+DALI-DT6<br>QT-CAB-eLED+DALI-DT8<br>QT-CAB-eLED+DALI-DT8-AWN<br>QT-CAB-eLED+WD<br>QT-CAB-eLED+WD-AWN<br>QTM-eLED+DALI-DT6<br>QTM-eLED+DALI-DT8<br>QTM-eLED+DALI-DT8-AWN<br>QTM-eLED+WD<br>QTM-eLED+WD-AWN<br>QZ-DMX<br>QZ-DW |
| 1% | QZ-DALI-DT8 |
| 10% | Non-Dim Power Supply with WD App Dongle |

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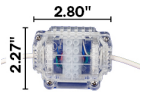
# MICRO 5 POP-FLAT (01) FOR WARM DIM APPLICATIONS

24VDC Linear Fixtures - Surface & Recessed

| DIMMING PROTOCOL | INDOOR |
|---|---|
| | MICRO 5-DW Warm Dim Applications |
| **Phase** | QZ-DW |
| **0-10V** | QT-CAB-eLED+WD<br>QT-CAB-eLED+WD-AWN<br>QTM-eLED+WD<br>QTM-eLED+WD-AWN<br>QZ-DW |
| **Lutron Athena** | QT-CAB-eLED+DALI-DT8-AWN<br>QT-CAB-eLED+WD-AWN<br>QTM-eLED+DALI-DT8-AWN<br>QTM-eLED+WD-AWN |
| **DMX**<br>LED wattage must be doubled for DW-HE products | QZ-DMX |
| **DALI-2: DT6**<br>LED wattage must be doubled for DW-HE products except for AWN | QT-CAB-eLED+DALI-DT6<br>QTM-eLED+DALI-DT6 |
| **DALI-2: DT8**<br>LED wattage must be doubled for DW-HE products except for AWN | QT-CAB-eLED+DALI-DT8<br>QT-CAB-eLED+DALI-DT8-AWN<br>QTM-eLED+DALI-DT8<br>QTM-eLED+DALI-DT8-AWN<br>QZ-DALI-DT8 |
| **SCENE App Dimmed** | Non-Dim Power Supply with WD App Dongle |

## COMPATIBLE WIRING ACCESSORIES

**Q-mini-J5**




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

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Specification subject to change. Rev-10-08-26

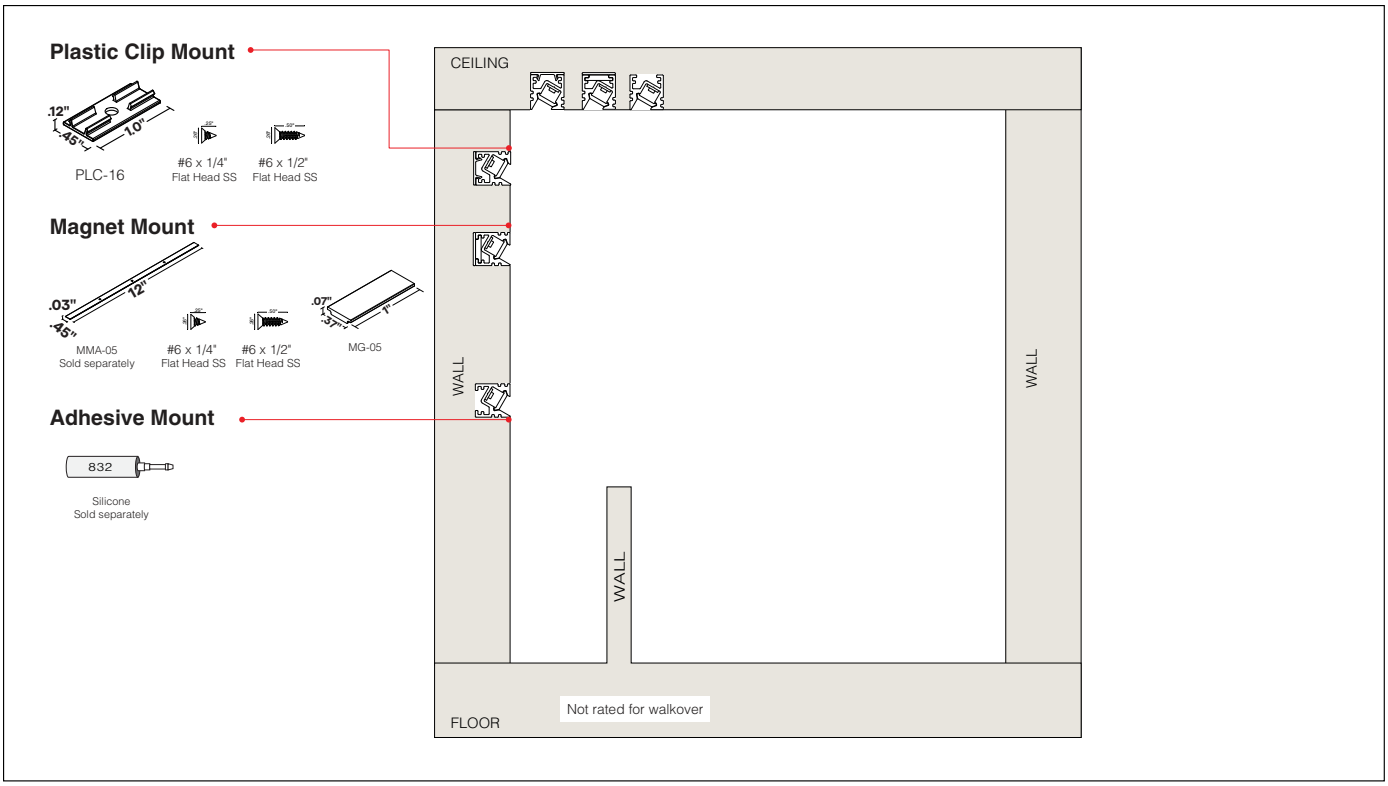
# MICRO 5 POP

Linear Fixture Installation Instructions

**ATTENTION: Please read all instructions BEFORE installation**

- Product to be installed by a licensed electrician - Field modifications void warranty
- Use only with Class 2 power supply unit — Warranty only valid with QTL power supplies
- Recessed in millwork
- Suitable for installation in storage area of a clothes closet when assembled as a finished fixture up to 4W/ft at QTL facility
- Not rated for walkover
- Input Voltage: 24VDC
- Diagrams for representation only and not to scale.

## METHODS OF INSTALLATION:




**Preparation**

- Components & Hardware (page 2)
- Cutting & Configuration Options (page 3)
- Surface Preparation & Assembly (page 4-5)

**Recessed Mounting Method**

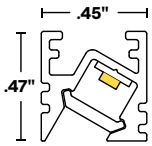
- Silicone Mount: Millwork (page 6)
- Magnet Mount: Millwork (page 7)
- Plastic Clip Mount: Millwork (page 8)



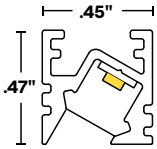
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# MICRO 5 POP

Linear Fixture Installation Instructions




POP-FLAT (01)

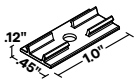



POP-ENCAPSULATED (03)

## COMPONENTS & HARDWARE

Alternate screw lengths can be used in installation as long as the screw diameter size is consistent with the included screw diameter size

### PLASTIC CLIP

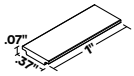



| Included | |
|---|---|
| .25" 30° | Flat Head Screw #6x1/4" |
| .50" 30° | Flat Head Screw #6x1/2" |

PLC-16

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

### MAGNET CLIP




MG-05

- One magnet clip per foot

### REQUIRED ACCESSORY



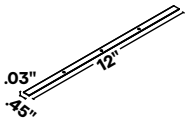
| Included |
|---|
| Included and required for all MICRO 5 field assembled options |

UNI-ROLLER

- Roller tool used to lay MICRO 5 LED strip into extrusion housing. To order additional use UNI-ROLLER

### ACCESSORIES SOLD SEPARATELY

MAGNET MOUNT ACCESSORY; sold individually



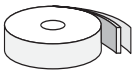

| Included | |
|---|---|
| .25" 30° | Flat Head Screw #6x1/4" |
| .50" 30° | Flat Head Screw #6x1/2" |

MMA-05

- MMA-05 comes in 12" pieces
- 4 provided for 4' or greater. 2 provided for 4' or less

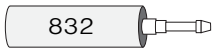
### ADHESIVE SOLD SEPARATRLY

VHB TAPE; sold in 15" increments



TAPE-VHB-IP20

SILICONE




DOWSIL 832



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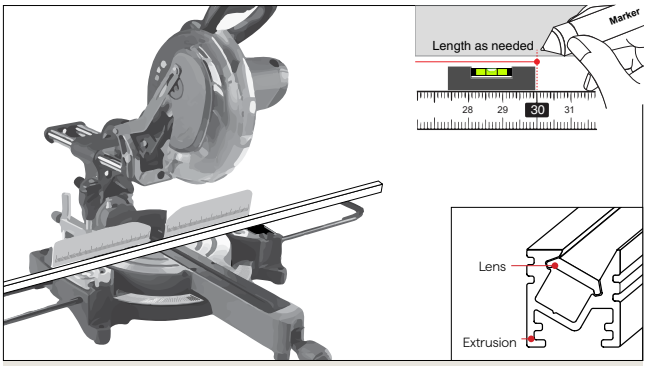
# MICRO 5 POP

Linear Fixture Installation Instructions

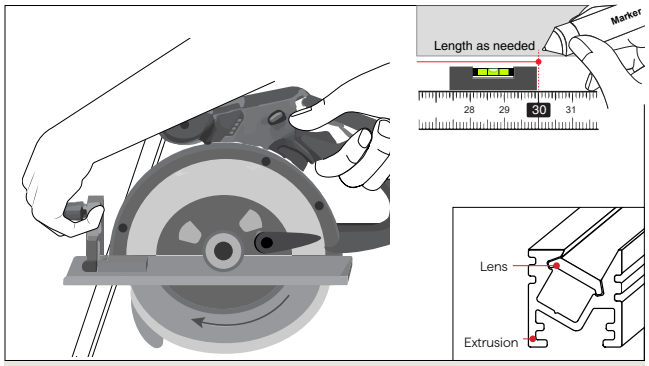


## CUTTING EXTRUSIONS FOR IN-FIELD ASSEMBLY INSTALLATION

**QTL strongly recommends cutting the extrusion and lens together to achieve a clean cut.**




OR

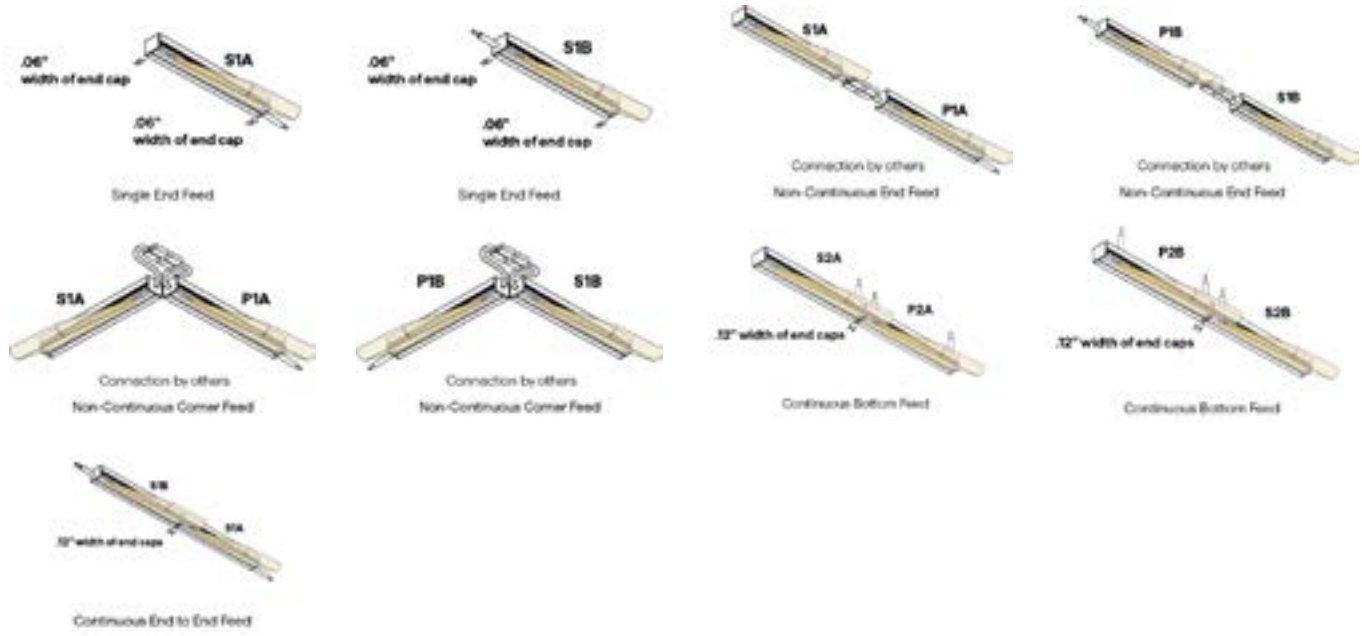



To achieve corners or angles, measure the LED extrusion to desired length and cut with a miter saw.

For straight runs, measure LED extrusion to desired length and cut it with a circular saw.

**NOTE:** Using the proper blade for aluminum, cut to the desired length. Recommend using a 10 in.x 80 tooth medium aluminum saw blade.

## CONFIGURATION OPTIONS




Review wire method to ensure clean installation prior to mounting extrusion.

**NOTE:** Additional wire methods include:
S1A, S1B, S2A, S2B: Connector/Wire Input only
P1A, P1B, P2A, P2B: Connector/Wire Input and Output

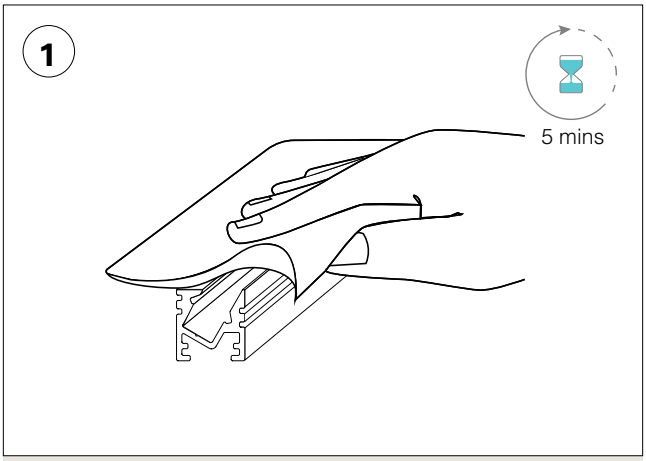
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# MICRO 5 POP

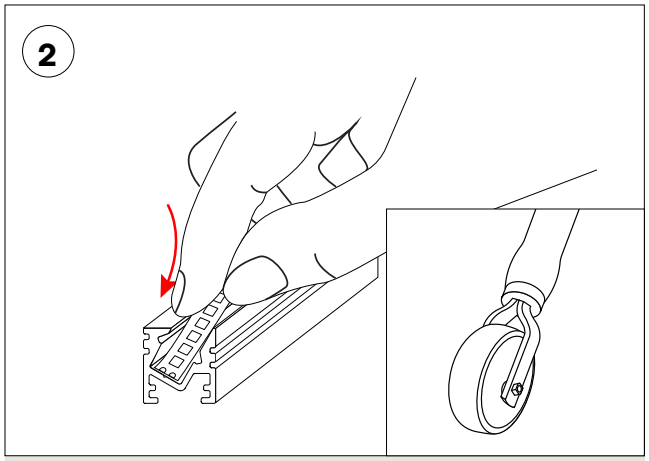
Linear Fixture Installation Instructions

## LED INSERTION FOR IN-FIELD ASSEMBLY INSTALLATION

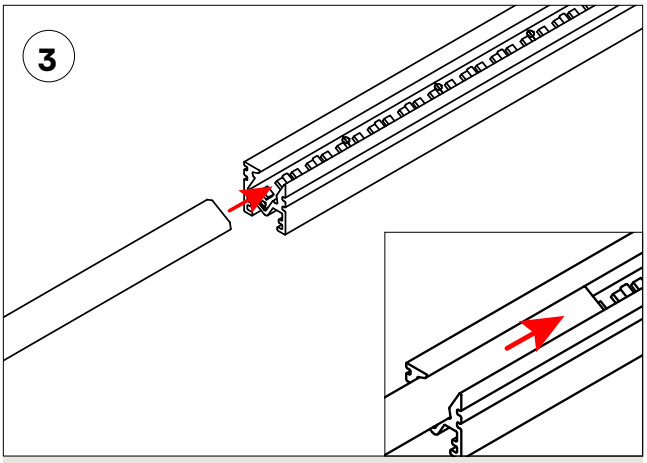
STRIP IN EXTRUSION



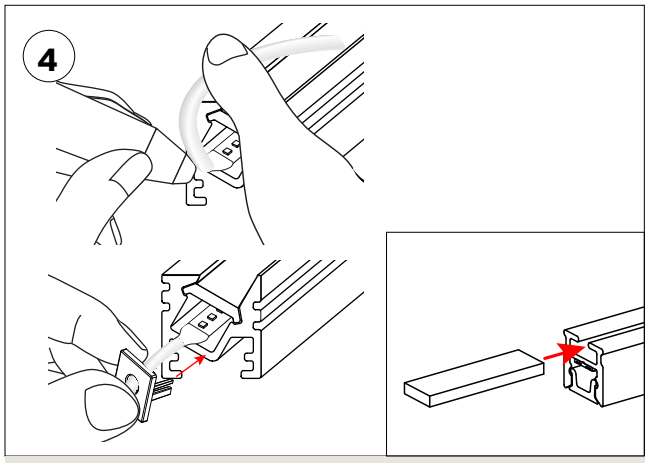

- Using a 50/50 alcohol mix throughly clean, the surface of the extrusion and the multi-tray surface. Allow time to dry (about 5 minutes).




- Gently place LED in extrusion/tray. Apply firm pressure to fully adhere to the extrusion. This reduces the possibility that dust and debris will contaminate the adhesive.
- Use the UNI-ROLLER tool to place MICRO 5 LED strip into extrusion housing. If needed, you may order additional UNI-ROLLER tools.




- Starting from one end of the extrusion, slide the lens into the grooved lip of the extrusion until secured in place.




- If installing with the MAGNET MILLWORK mount, install the clips prior to gluing the endcaps.
- Add glue inside the end cap and glue around edges to secure end cap in place. Do not allow glue to come in contact with LED.



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# MICRO 5 POP

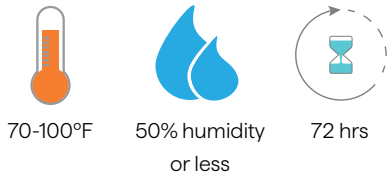
Linear Fixture Installation Instructions



## SURFACE MOUNTING METHOD

SURFACE PREPARATION

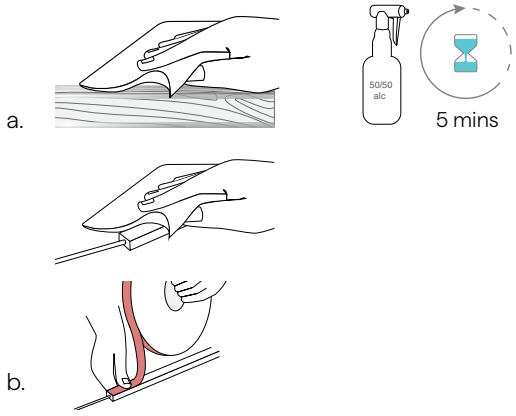
**1**




Temperature and environmental concerns:

- Ideal application environment is 70-100°F in 50% humidity or less.
- Minimum application temperature: 50°F
- This temperature and humidity should be maintained for 72 hours after application for maximum bond strength.

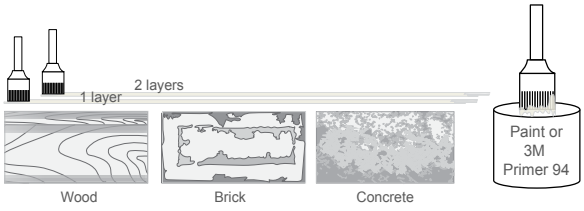
**2**




a. Using a 50/50 alcohol mix, thoroughly clean the backside of the fixture and the surface area where fixture will be installed. Allow 5 minutes to dry.

b. Peel back 0.5" of the VHB tape's protective film on one end and use firm pressure to adhere it to the desired surface, avoiding air bubbles. Continue peeling the film and adhering the tape in small sections until the entire length is installed.

**3**




For porous materials (Wood, Brick, Concrete etc.) apply two layers of paint or primer to the surface. This will help create a better bonding surface for these materials. These can be purchased from a local hardware store.

| MATERIALS | SUGGESTED EPOXIES |
|---|---|
| Concrete, Stone, Cinderblock, Metal, and Brick | Loctite Metal and Concrete Two-Part Epoxy |
| ABS, Fiberglass, Plastic, and PVC | Loctite Plastic Two-Part Epoxy |
| Tile, Wood, Ceramic, Glass, or Metal | Loctite Clear Two-Part Epoxy |
| All Purpose | Strong Stik |

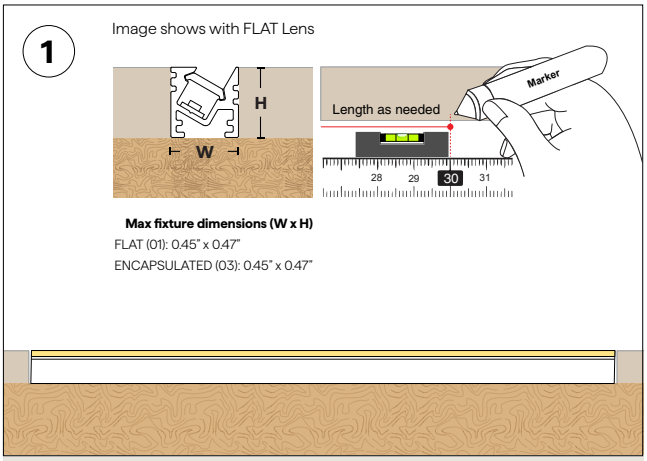
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# MICRO 5 POP

Linear Fixture Installation Instructions

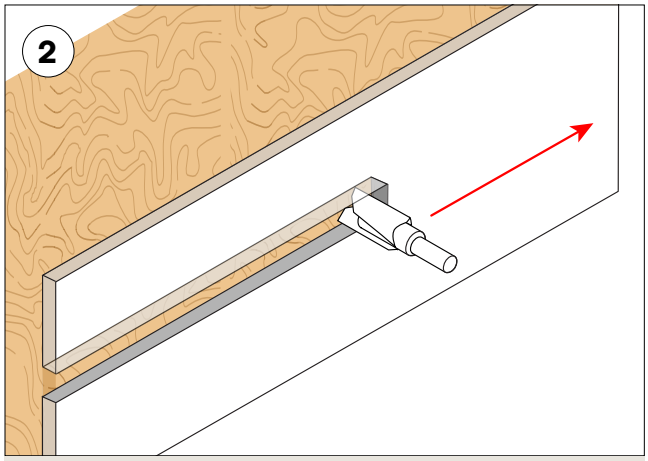
## RECESSED MOUNTING METHOD: **SILICONE MOUNT MILLWORK**

- Apply silicone in well ventilated area.

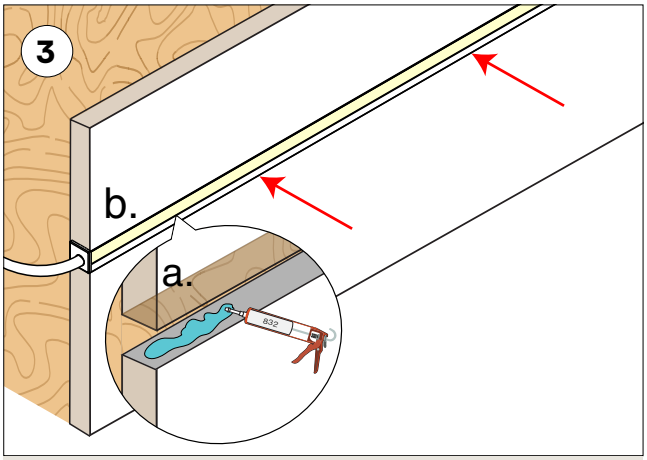



Determine the POP fixture(s) location and positioning on desired surface. Make any necessary reference markings.

**NOTE:** Depth of the channel in the millwork is dependent on overall height. Check spec sheet dimensions for the height and width of the specific fixture and mounting you are installing.



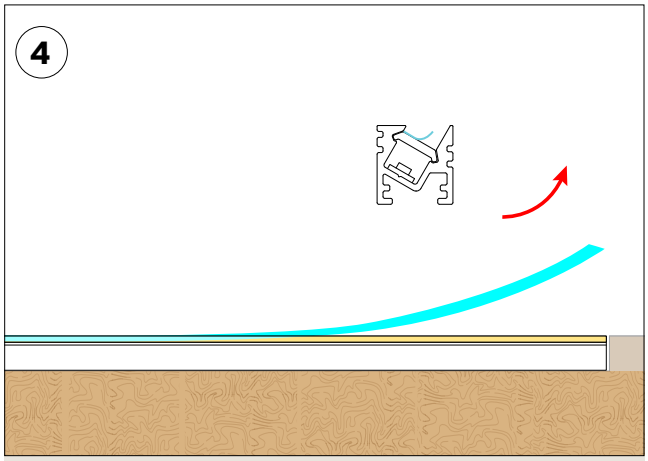

Route the material using a 15/32" or 1/2" router bit. Route or drill out any desired wireways.




**a.** Apply silicone to all the sides walls and bottom surface of the millwork

**b.** Place the fixture into the millwork. Wait until the silicone completely cures.

**NOTE:** Cure time is dependent on the type of silicone adhesive used. Refer to silicone product manufacturer for accurate drying time.



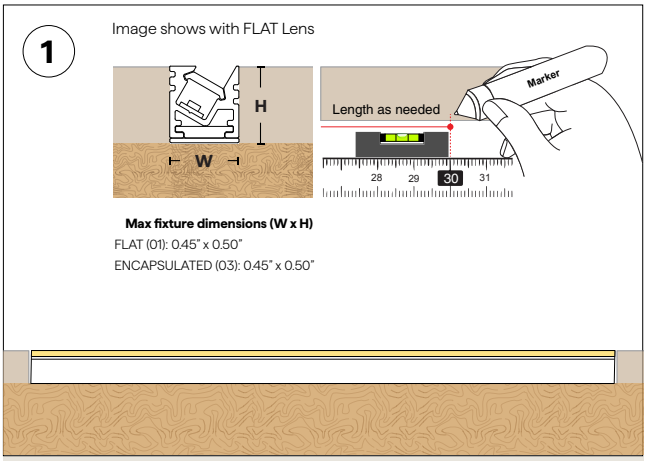

Remove protective film from the surface of the fixture's lens.



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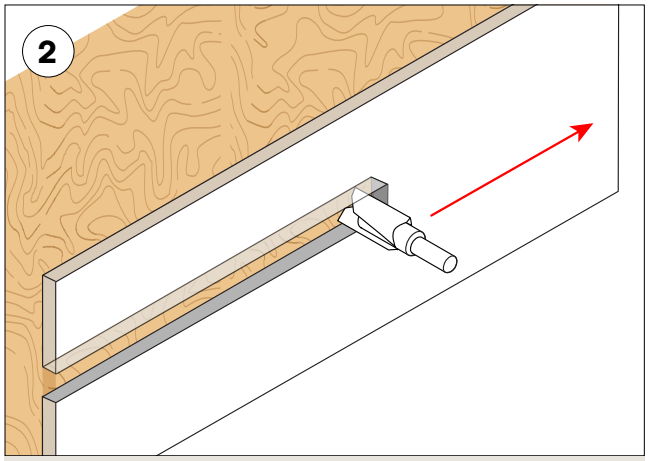
## RECESSED MOUNTING METHOD: **MAGNET MOUNT MILLWORK**

- One magnet clip per foot.
- MMA-05 comes in 12" pieces; 4 provided for 4' or greater. 2 provided for 4' or less.
- MMA not required if surface is magnetic
- For NI installation, clips must be slide into the fixture before end caps are glued to the ends of the fixtures.

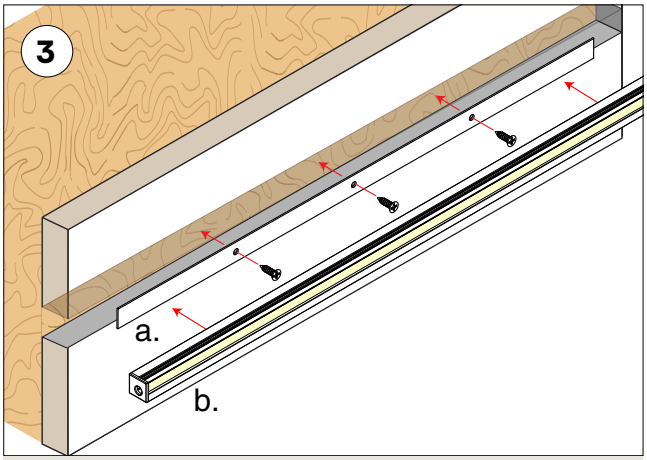



Determine the POP fixture(s) location and positioning on desired surface. Make any necessary reference markings.

**NOTE:** Depth of the channel in the millwork is dependent on overall height. Check spec sheet dimensions for the height and width of the specific fixture and mounting you are installing.

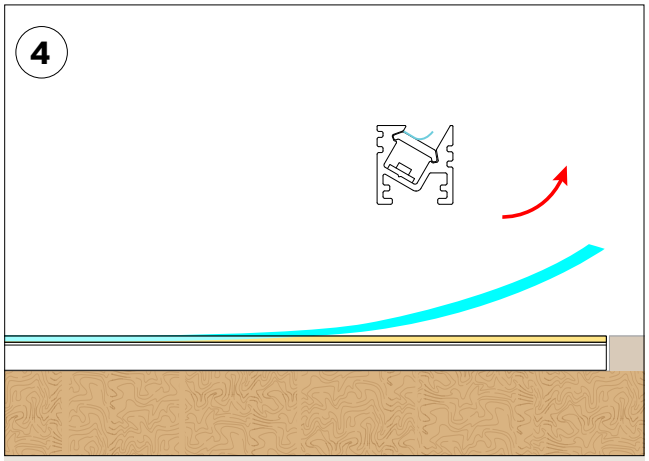



Route the material using a 15/32" or 1/2" router bit. Route or drill out any desired wireways.




**a.** Mount the magnet mount accessory bracket into the routed slot. Ensure screw head is flush with magnet mount bracket.

**b.** Place the assembled fixture onto the magnet mount bracket Magnets come pre-installed in POP extrusion.



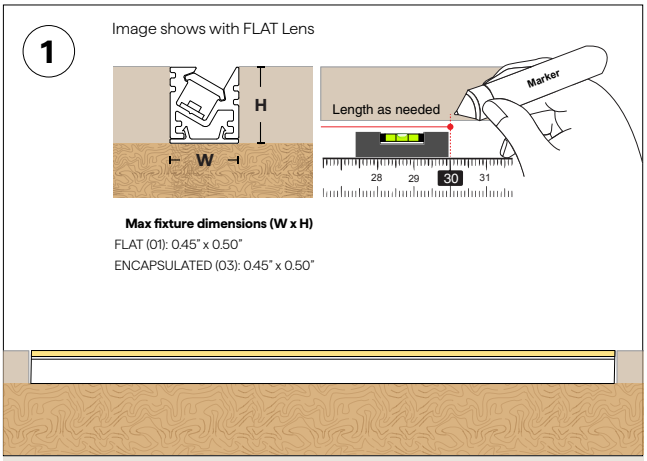

Remove protective film from the surface of the fixture's lens.



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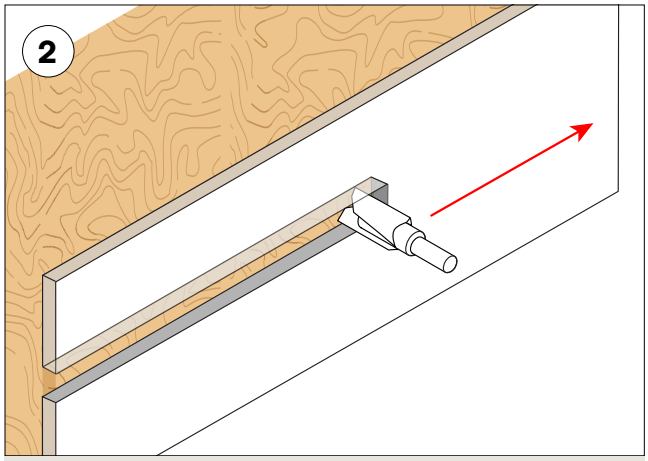
## RECESSED MOUNTING METHOD: **PLASTIC CLIP MOUNT MILLWORK**

- 4 provided for 4' or greater. 2 provided for 4' or less.

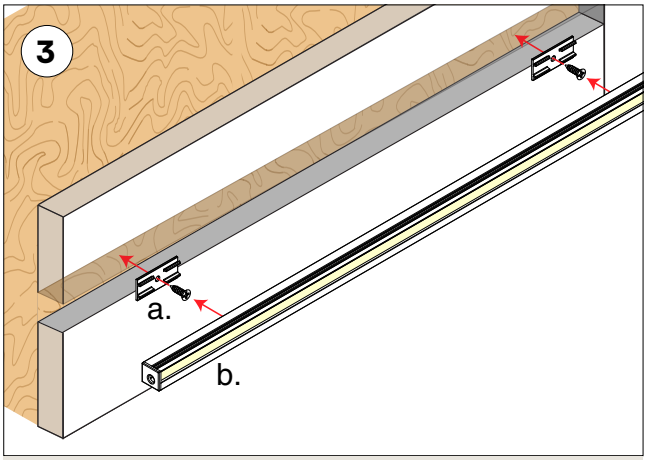



Determine the POP fixture(s) location and positioning on desired surface. Make any necessary reference markings.

**NOTE:** Depth of the channel in the millwork is dependent on overall height. Check spec sheet dimensions for the height and width of the specific fixture and mounting you are installing.

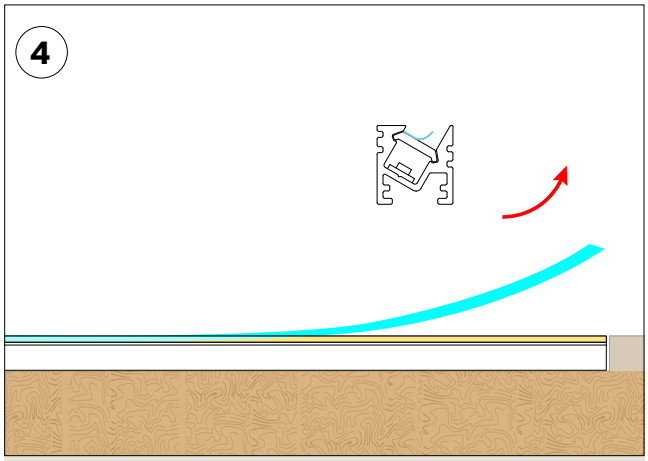



Route the material using a 15/32" or 1/2" router bit. Route or drill out any desired wireways.




**a.** Secure clips using the #6 flat head hardware provided.

**b.** Place POP extrusion into routed slotted.




Remove protective film from the surface of the fixture's lens.



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# MICRO 5 POP-FLAT-DW(01)

Linear Fixtures Color Data

## POP-01-DW-2.0-20-DRY-DF

2016 K

**CRI:** 92.8

**CRI R9:** 61.1

**TM30 Rf:** 89.2

**TM30 Rg:** 103.0

**CQS:** 79.4

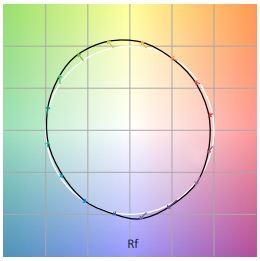
**X:** 0.524

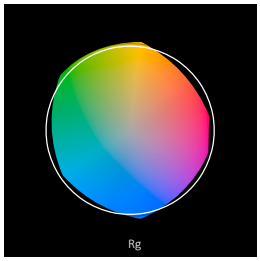
**Y:** 0.412

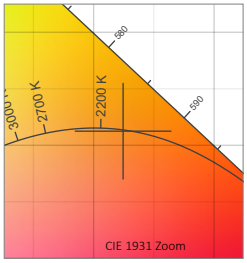
**U:** 0.304

**V:** 0.359

**Δuv:** -0.0004




| R1 | R2 | R3 | R4 | R5 | R6 | R7 | R8 | R9 | R10 | R11 | R12 | R13 | R14 | R15 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 93.6 | 96.5 | 96.3 | 93.9 | 93.1 | 97.4 | 91.0 | 81.0 | 61.1 | 90.0 | 96.0 | 90.0 | 94.5 | 96.1 | 88.5 |
| **Q1** | **Q2** | **Q3** | **Q4** | **Q5** | **Q6** | **Q7** | **Q8** | **Q9** | **Q10** | **Q11** | **Q12** | **Q13** | **Q14** | **Q15** |
| 74.6 | 83.9 | 81.2 | 82.0 | 79.9 | 75.4 | 74.3 | 78.2 | 86.2 | 83.2 | 83.5 | 83.1 | 82.9 | 78.5 | 76.6 |
| **C1** | **C2** | **C3** | **C4** | **C5** | **C6** | **C7** | **C8** | **C9** | **C10** | **C11** | **C12** | **C13** | **C14** | **C15** | **C16** |
| 90.0 | 88.6 | 87.3 | 88.7 | 90.2 | 88.2 | 85.9 | 88.4 | 90.6 | 93.5 | 92.0 | 89.8 | 90.1 | 74.8 | 86.7 | 88.4 |

| TM30 | | | |
|---|---|---|---|
| Hue Bin | $R_f$ | Chroma | Hue |
| 1 | 90 | -4% | -1% |
| 2 | 89 | -4% | 5% |
| 3 | 87 | -1% | 7% |
| 4 | 89 | 5% | 7% |
| 5 | 90 | 9% | 5% |
| 6 | 88 | 9% | 1% |
| 7 | 86 | 5% | -8% |
| 8 | 88 | 1% | -9% |
| 9 | 91 | -2% | -5% |
| 10 | 93 | -4% | 0% |
| 11 | 92 | 0% | 3% |
| 12 | 90 | 2% | 3% |
| 13 | 90 | 6% | -8% |
| 14 | 75 | 2% | -14% |
| 15 | 87 | 1% | -10% |
| 16 | 88 | -4% | -7% |

## POP-01-DW-2.0-20-DRY-PR

2030 K

**CRI:** 93.0

**CRI R9:** 62.0

**TM30 Rf:** 88.4

**TM30 Rg:** 104.1

**CQS:** 79.0

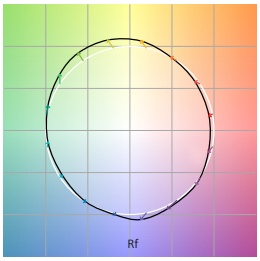
**X:** 0.521

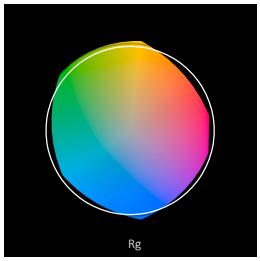
**Y:** 0.410

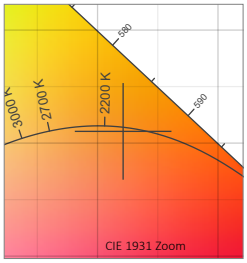
**U:** 0.303

**V:** 0.358

**Δuv:** -0.0011




| R1 | R2 | R3 | R4 | R5 | R6 | R7 | R8 | R9 | R10 | R11 | R12 | R13 | R14 | R15 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 94.0 | 96.8 | 96.5 | 93.9 | 93.5 | 97.5 | 90.8 | 81.3 | 62.0 | 90.6 | 95.8 | 91.1 | 94.9 | 96.2 | 89.0 |
| **Q1** | **Q2** | **Q3** | **Q4** | **Q5** | **Q6** | **Q7** | **Q8** | **Q9** | **Q10** | **Q11** | **Q12** | **Q13** | **Q14** | **Q15** |
| 74.0 | 84.3 | 81.0 | 82.2 | 80.4 | 75.0 | 72.4 | 76.5 | 85.9 | 82.9 | 82.6 | 81.8 | 81.7 | 79.6 | 77.1 |
| **C1** | **C2** | **C3** | **C4** | **C5** | **C6** | **C7** | **C8** | **C9** | **C10** | **C11** | **C12** | **C13** | **C14** | **C15** | **C16** |
| 90.0 | 87.7 | 85.7 | 86.6 | 88.5 | 86.5 | 83.8 | 86.6 | 89.7 | 93.4 | 91.6 | 89.4 | 89.8 | 74.5 | 86.2 | 88.4 |

| TM30 | | | |
|---|---|---|---|
| Hue Bin | $R_f$ | Chroma | Hue |
| 1 | 90 | -4% | -1% |
| 2 | 88 | -3% | 5% |
| 3 | 86 | 0% | 8% |
| 4 | 87 | 7% | 8% |
| 5 | 89 | 11% | 5% |
| 6 | 87 | 11% | 0% |
| 7 | 84 | 6% | -9% |
| 8 | 87 | 1% | -10% |
| 9 | 90 | -2% | -5% |
| 10 | 93 | -4% | 0% |
| 11 | 92 | 0% | 4% |
| 12 | 89 | 2% | 3% |
| 13 | 90 | 6% | -8% |
| 14 | 75 | 2% | -14% |
| 15 | 86 | 1% | -10% |
| 16 | 88 | -3% | -7% |

## POP-01-DW-2.0-27-DRY-DF

2758 K

**CRI:** 97.7

**CRI R9:** 96.9

**TM30 Rf:** 94.8

**TM30 Rg:** 100.5

**CQS:** 95.5

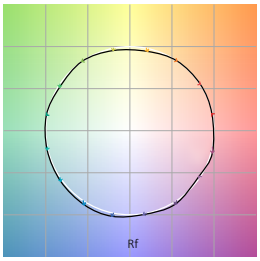
**X:** 0.455

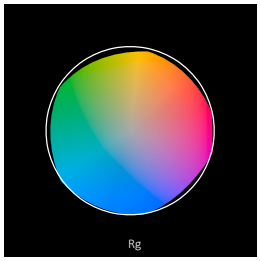
**Y:** 0.408

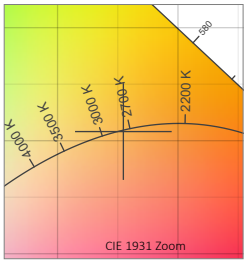
**U:** 0.260

**V:** 0.350

**Δuv:** -0.0005




| R1 | R2 | R3 | R4 | R5 | R6 | R7 | R8 | R9 | R10 | R11 | R12 | R13 | R14 | R15 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 97.3 | 98.8 | 97.2 | 97.3 | 97.6 | 96.4 | 98.4 | 98.5 | 96.9 | 99.2 | 94.4 | 87.0 | 97.3 | 97.2 | 98.5 |
| **Q1** | **Q2** | **Q3** | **Q4** | **Q5** | **Q6** | **Q7** | **Q8** | **Q9** | **Q10** | **Q11** | **Q12** | **Q13** | **Q14** | **Q15** |
| 92.8 | 95.8 | 93.8 | 94.5 | 96.3 | 97.6 | 96.0 | 97.4 | 97.1 | 97.7 | 97.1 | 96.4 | 96.8 | 95.6 | 94.8 |
| **C1** | **C2** | **C3** | **C4** | **C5** | **C6** | **C7** | **C8** | **C9** | **C10** | **C11** | **C12** | **C13** | **C14** | **C15** | **C16** |
| 96.4 | 97.7 | 96.6 | 93.9 | 95.9 | 97.1 | 93.3 | 97.2 | 94.6 | 93.3 | 93.0 | 92.9 | 94.6 | 93.6 | 94.0 | 91.3 |

| TM30 | | | |
|---|---|---|---|
| Hue Bin | $R_f$ | Chroma | Hue |
| 1 | 96 | 0% | 1% |
| 2 | 98 | 0% | -1% |
| 3 | 97 | 0% | 0% |
| 4 | 94 | -3% | -2% |
| 5 | 96 | -3% | 1% |
| 6 | 97 | 0% | 2% |
| 7 | 93 | -2% | 3% |
| 8 | 97 | 1% | 1% |
| 9 | 95 | 1% | 3% |
| 10 | 93 | 2% | 4% |
| 11 | 93 | 3% | 4% |
| 12 | 93 | 4% | -1% |
| 13 | 95 | 1% | -4% |
| 14 | 94 | 3% | -4% |
| 15 | 94 | -2% | 0% |
| 16 | 91 | 1% | -7% |

**NOTES:**
- CRI R values, only R1-R8 are used to calculate RA CRI values
- TM30 C values, 16 binned values out of total of 99 C values
- CQS Q values
- Data subject to change, all data has +/- 5% tolerance

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Specification subject to change. Rev-08-08-24

# MICRO 5 POP-FLAT-DW(01)

Linear Fixtures Color Data

## POP-01-DW-2.0-27-DRY-PR

2759 K

**CRI:** 97.7

**CRI R9:** 96.3

**TM30 Rf:** 94.8

**TM30 Rg:** 100.5

**CQS:** 95.6

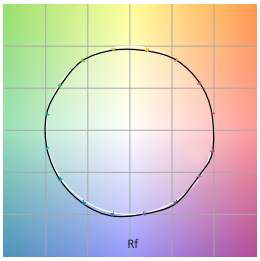
**X:** 0.454

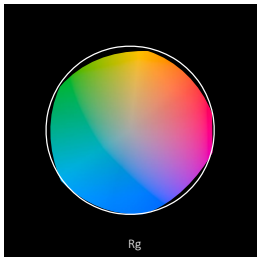
**Y:** 0.408

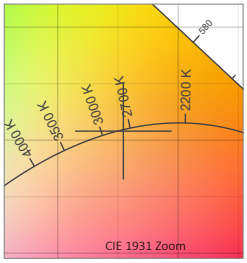
**U:** 0.260

**V:** 0.350

**Δuv:** -0.0005




| R1 | R2 | R3 | R4 | R5 | R6 | R7 | R8 | R9 | R10 | R11 | R12 | R13 | R14 | R15 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 97.4 | 98.7 | 97.3 | 97.4 | 97.7 | 96.4 | 98.3 | 98.3 | 96.3 | 99.2 | 94.6 | 87.2 | 97.4 | 97.3 | 98.6 |
| **Q1** | **Q2** | **Q3** | **Q4** | **Q5** | **Q6** | **Q7** | **Q8** | **Q9** | **Q10** | **Q11** | **Q12** | **Q13** | **Q14** | **Q15** |
| 92.9 | 95.8 | 93.9 | 94.6 | 96.3 | 97.6 | 96.1 | 97.4 | 97.2 | 97.7 | 97.1 | 96.5 | 96.9 | 95.6 | 94.8 |
| **C1** | **C2** | **C3** | **C4** | **C5** | **C6** | **C7** | **C8** | **C9** | **C10** | **C11** | **C12** | **C13** | **C14** | **C15** | **C16** |
| 96.3 | 97.8 | 96.6 | 93.9 | 95.9 | 97.1 | 93.4 | 97.2 | 94.6 | 93.3 | 92.9 | 92.8 | 94.4 | 93.4 | 93.9 | 91.0 |

| TM30 | | | |
|---|---|---|---|
| Hue Bin | $R_f$ | Chroma | Hue |
| 1 | 96 | -1% | 1% |
| 2 | 98 | 0% | -1% |
| 3 | 97 | 0% | 0% |
| 4 | 94 | -3% | -2% |
| 5 | 96 | -3% | 1% |
| 6 | 97 | 0% | 2% |
| 7 | 93 | -2% | 3% |
| 8 | 97 | 1% | 2% |
| 9 | 95 | 1% | 3% |
| 10 | 93 | 2% | 4% |
| 11 | 93 | 3% | 4% |
| 12 | 93 | 4% | -1% |
| 13 | 94 | 1% | -4% |
| 14 | 93 | 3% | -4% |
| 15 | 94 | -2% | 0% |
| 16 | 91 | 1% | -7% |

## POP-01-DW-2.0-30-DRY-DF

3061 K

**CRI:** 98.3

**CRI R9:** 96.3

**TM30 Rf:** 94.4

**TM30 Rg:** 100.5

**CQS:** 95.6

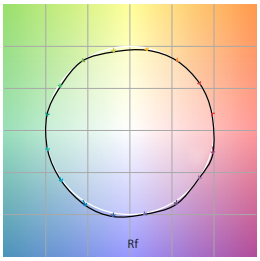
**X:** 0.432

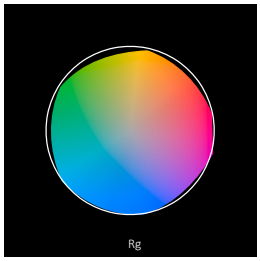
**Y:** 0.401

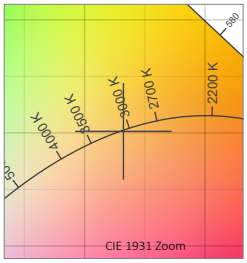
**U:** 0.249

**V:** 0.346

**Δuv:** -0.0004




| R1 | R2 | R3 | R4 | R5 | R6 | R7 | R8 | R9 | R10 | R11 | R12 | R13 | R14 | R15 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 98.3 | 99.6 | 96.8 | 98.7 | 98.6 | 97.4 | 98.6 | 98.3 | 96.3 | 98.8 | 96.4 | 83.6 | 98.5 | 97.2 | 98.4 |
| **Q1** | **Q2** | **Q3** | **Q4** | **Q5** | **Q6** | **Q7** | **Q8** | **Q9** | **Q10** | **Q11** | **Q12** | **Q13** | **Q14** | **Q15** |
| 93.4 | 96.8 | 92.4 | 92.9 | 95.6 | 98.3 | 96.0 | 97.5 | 97.3 | 97.6 | 98.3 | 97.8 | 97.9 | 96.6 | 95.6 |
| **C1** | **C2** | **C3** | **C4** | **C5** | **C6** | **C7** | **C8** | **C9** | **C10** | **C11** | **C12** | **C13** | **C14** | **C15** | **C16** |
| 96.2 | 97.9 | 96.9 | 95.0 | 93.7 | 97.3 | 93.5 | 97.7 | 93.9 | 91.2 | 91.0 | 92.7 | 95.3 | 93.1 | 92.4 | 90.4 |

| TM30 | | | |
|---|---|---|---|
| Hue Bin | $R_f$ | Chroma | Hue |
| 1 | 96 | -1% | 1% |
| 2 | 98 | 0% | 0% |
| 3 | 97 | 0% | 0% |
| 4 | 95 | -3% | -1% |
| 5 | 94 | -5% | 1% |
| 6 | 97 | 0% | 1% |
| 7 | 93 | -2% | 3% |
| 8 | 98 | 0% | 1% |
| 9 | 94 | 0% | 4% |
| 10 | 91 | 1% | 5% |
| 11 | 91 | 3% | 6% |
| 12 | 93 | 4% | 0% |
| 13 | 95 | 1% | -3% |
| 14 | 93 | 4% | -4% |
| 15 | 92 | 0% | -2% |
| 16 | 90 | 2% | -8% |

## POP-01-DW-2.0-30-DRY-PR

3076 K

**CRI:** 98.3

**CRI R9:** 95.7

**TM30 Rf:** 94.3

**TM30 Rg:** 100.6

**CQS:** 95.5

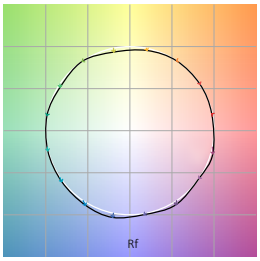
**X:** 0.431

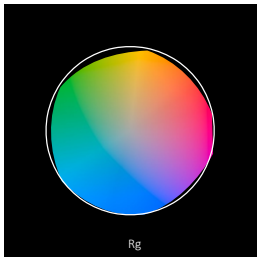
**Y:** 0.401

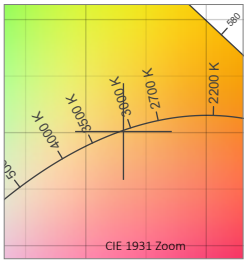
**U:** 0.248

**V:** 0.346

**Δuv:** -0.0005




| R1 | R2 | R3 | R4 | R5 | R6 | R7 | R8 | R9 | R10 | R11 | R12 | R13 | R14 | R15 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 98.4 | 99.6 | 96.8 | 98.9 | 98.7 | 97.4 | 98.5 | 98.1 | 95.7 | 98.7 | 96.7 | 83.4 | 98.6 | 97.2 | 98.5 |
| **Q1** | **Q2** | **Q3** | **Q4** | **Q5** | **Q6** | **Q7** | **Q8** | **Q9** | **Q10** | **Q11** | **Q12** | **Q13** | **Q14** | **Q15** |
| 93.4 | 96.8 | 92.3 | 92.7 | 95.4 | 98.1 | 96.1 | 97.5 | 97.3 | 97.5 | 98.2 | 98.0 | 98.0 | 96.5 | 95.6 |
| **C1** | **C2** | **C3** | **C4** | **C5** | **C6** | **C7** | **C8** | **C9** | **C10** | **C11** | **C12** | **C13** | **C14** | **C15** | **C16** |
| 96.1 | 97.9 | 96.9 | 95.0 | 93.7 | 97.3 | 93.5 | 97.7 | 93.8 | 91.0 | 91.3 | 92.3 | 95.3 | 93.1 | 92.4 | 90.4 |

| TM30 | | | |
|---|---|---|---|
| Hue Bin | $R_f$ | Chroma | Hue |
| 1 | 96 | -1% | 1% |
| 2 | 98 | 0% | 0% |
| 3 | 97 | 0% | 0% |
| 4 | 95 | -3% | -1% |
| 5 | 94 | -5% | 1% |
| 6 | 97 | 0% | 1% |
| 7 | 94 | -2% | 3% |
| 8 | 98 | 0% | 1% |
| 9 | 94 | 0% | 4% |
| 10 | 91 | 1% | 5% |
| 11 | 91 | 3% | 5% |
| 12 | 92 | 5% | 0% |
| 13 | 95 | 1% | -3% |
| 14 | 93 | 4% | -4% |
| 15 | 92 | 0% | -2% |
| 16 | 90 | 2% | -8% |

**NOTES:**
- CRI R values, only R1-R8 are used to calculate RA CRI values
- TM30 C values, 16 binned values out of total of 99 C values
- CQS Q values
- Data subject to change, all data has +/- 5% tolerance

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Specification subject to change. Rev-08-08-24

# MICRO 5 POP-FLAT-DW(01)

Linear Fixtures Color Data

## POP-01-DW-2.0-40-DRY-DF

4007 K

**CRI:** 97.4

**CRI R9:** 96.6

**TM30 Rf:** 92.6

**TM30 Rg:** 100.0

**CQS:** 94.9

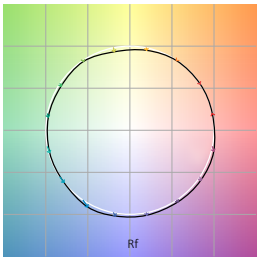
**X:** 0.381

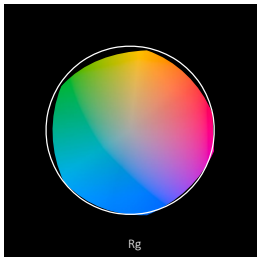
**Y:** 0.378

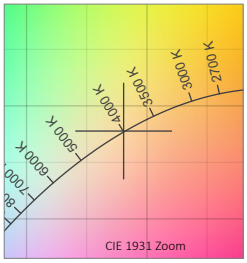
**U:** 0.225

**V:** 0.335

**Δuv:** 0.0004




| R1 | R2 | R3 | R4 | R5 | R6 | R7 | R8 | R9 | R10 | R11 | R12 | R13 | R14 | R15 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 98.9 | 98.5 | 94.5 | 98.6 | 97.0 | 95.0 | 98.9 | 97.7 | 96.6 | 94.3 | 97.5 | 72.5 | 99.1 | 96.4 | 96.6 |
| **Q1** | **Q2** | **Q3** | **Q4** | **Q5** | **Q6** | **Q7** | **Q8** | **Q9** | **Q10** | **Q11** | **Q12** | **Q13** | **Q14** | **Q15** |
| 94.1 | 99.3 | 89.1 | 88.6 | 93.1 | 95.9 | 96.7 | 98.6 | 97.2 | 97.5 | 97.9 | 99.2 | 99.2 | 99.1 | 97.1 |
| **C1** | **C2** | **C3** | **C4** | **C5** | **C6** | **C7** | **C8** | **C9** | **C10** | **C11** | **C12** | **C13** | **C14** | **C15** | **C16** |
| 95.2 | 97.5 | 96.1 | 93.1 | 91.7 | 96.2 | 94.5 | 93.5 | 90.0 | 87.7 | 86.2 | 91.9 | 95.2 | 94.5 | 90.5 | 90.3 |

| TM30 | | | |
|---|---|---|---|
| Hue Bin | $R_f$ | Chroma | Hue |
| 1 | 95 | 0% | 0% |
| 2 | 97 | 0% | -1% |
| 3 | 96 | 0% | 0% |
| 4 | 93 | -3% | -1% |
| 5 | 92 | -5% | 0% |
| 6 | 96 | -1% | 1% |
| 7 | 95 | -3% | 2% |
| 8 | 93 | -2% | 4% |
| 9 | 90 | -1% | 7% |
| 10 | 88 | 0% | 8% |
| 11 | 86 | 4% | 9% |
| 12 | 92 | 3% | 3% |
| 13 | 95 | 3% | 0% |
| 14 | 94 | 3% | 0% |
| 15 | 91 | 3% | -3% |
| 16 | 90 | 3% | -5% |

## POP-01-DW-2.0-40-DRY-PR

4007 K

**CRI:** 97.4

**CRI R9:** 97.5

**TM30 Rf:** 92.4

**TM30 Rg:** 100.0

**CQS:** 94.8

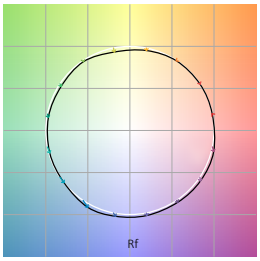
**X:** 0.381

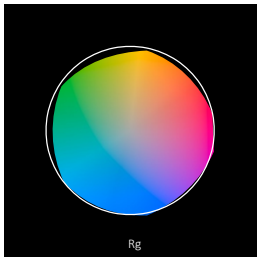
**Y:** 0.378

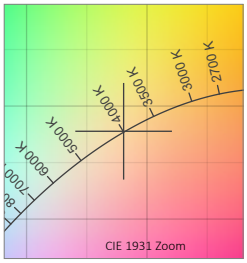
**U:** 0.225

**V:** 0.335

**Δuv:** 0.0004




| R1 | R2 | R3 | R4 | R5 | R6 | R7 | R8 | R9 | R10 | R11 | R12 | R13 | R14 | R15 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 98.9 | 98.4 | 94.6 | 98.4 | 96.9 | 94.9 | 99.0 | 98.0 | 97.5 | 94.0 | 97.3 | 72.2 | 99.0 | 96.4 | 96.7 |
| **Q1** | **Q2** | **Q3** | **Q4** | **Q5** | **Q6** | **Q7** | **Q8** | **Q9** | **Q10** | **Q11** | **Q12** | **Q13** | **Q14** | **Q15** |
| 94.1 | 99.3 | 88.9 | 88.4 | 92.8 | 95.6 | 96.6 | 98.5 | 97.2 | 97.4 | 97.7 | 99.1 | 99.3 | 99.1 | 97.2 |
| **C1** | **C2** | **C3** | **C4** | **C5** | **C6** | **C7** | **C8** | **C9** | **C10** | **C11** | **C12** | **C13** | **C14** | **C15** | **C16** |
| 95.1 | 97.4 | 96.0 | 93.0 | 91.6 | 96.2 | 94.4 | 93.4 | 89.8 | 87.5 | 85.9 | 91.8 | 95.1 | 94.4 | 90.4 | 90.2 |

| TM30 | | | |
|---|---|---|---|
| Hue Bin | $R_f$ | Chroma | Hue |
| 1 | 95 | 0% | 0% |
| 2 | 97 | 0% | -1% |
| 3 | 96 | 0% | 0% |
| 4 | 93 | -3% | -1% |
| 5 | 92 | -5% | 0% |
| 6 | 96 | -1% | 1% |
| 7 | 94 | -3% | 2% |
| 8 | 93 | -2% | 4% |
| 9 | 90 | -1% | 8% |
| 10 | 87 | 0% | 8% |
| 11 | 86 | 4% | 9% |
| 12 | 92 | 3% | 3% |
| 13 | 95 | 3% | 0% |
| 14 | 94 | 3% | 0% |
| 15 | 90 | 3% | -3% |
| 16 | 90 | 3% | -5% |

## POP-01-DW-2.0-55-DRY-DF

5586 K

**CRI:** 96.8

**CRI R9:** 98.2

**TM30 Rf:** 91.5

**TM30 Rg:** 98.5

**CQS:** 94.0

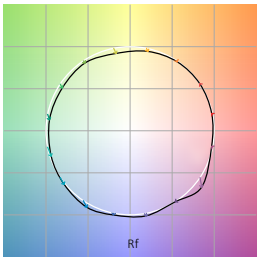
**X:** 0.331

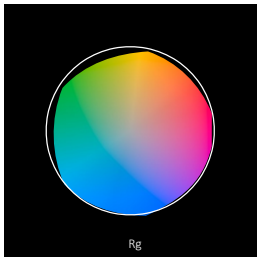
**Y:** 0.345

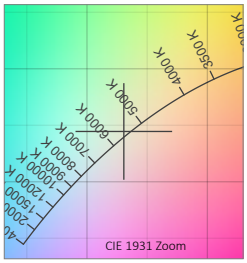
**U:** 0.204

**V:** 0.319

**Δuv:** 0.0007




| R1 | R2 | R3 | R4 | R5 | R6 | R7 | R8 | R9 | R10 | R11 | R12 | R13 | R14 | R15 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 97.9 | 99.8 | 97.8 | 95.3 | 95.5 | 95.1 | 96.5 | 96.5 | 98.2 | 98.0 | 96.8 | 71.3 | 99.3 | 98.7 | 95.0 |
| **Q1** | **Q2** | **Q3** | **Q4** | **Q5** | **Q6** | **Q7** | **Q8** | **Q9** | **Q10** | **Q11** | **Q12** | **Q13** | **Q14** | **Q15** |
| 92.0 | 98.2 | 89.7 | 86.9 | 90.3 | 92.8 | 97.5 | 98.0 | 98.8 | 98.5 | 97.4 | 98.1 | 98.8 | 98.5 | 96.3 |
| **C1** | **C2** | **C3** | **C4** | **C5** | **C6** | **C7** | **C8** | **C9** | **C10** | **C11** | **C12** | **C13** | **C14** | **C15** | **C16** |
| 93.3 | 97.1 | 95.3 | 92.2 | 90.1 | 95.3 | 92.0 | 88.8 | 87.8 | 85.4 | 86.2 | 96.8 | 93.7 | 94.3 | 85.1 | 95.9 |

| TM30 | | | |
|---|---|---|---|
| Hue Bin | $R_f$ | Chroma | Hue |
| 1 | 93 | -1% | 1% |
| 2 | 97 | 0% | 0% |
| 3 | 95 | -1% | -1% |
| 4 | 92 | -3% | -2% |
| 5 | 90 | -7% | -2% |
| 6 | 95 | -3% | 0% |
| 7 | 92 | -5% | 2% |
| 8 | 89 | -3% | 6% |
| 9 | 88 | -2% | 11% |
| 10 | 85 | 1% | 9% |
| 11 | 86 | 4% | 8% |
| 12 | 97 | 2% | 0% |
| 13 | 94 | 3% | -2% |
| 14 | 94 | 0% | -2% |
| 15 | 85 | 8% | -8% |
| 16 | 96 | -1% | 1% |

**NOTES:**
- CRI R values, only R1-R8 are used to calculate RA CRI values
- TM30 C values, 16 binned values out of total of 99 C values
- CQS Q values
- Data subject to change, all data has +/- 5% tolerance

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Specification subject to change. Rev-08-08-24

# MICRO 5 POP-FLAT-DW(01)

Linear Fixtures Color Data

## POP-01-DW-2.0-55-DRY-PR

5596 K

**CRI:** 96.6

**CRI R9:** 98.3

**TM30 Rf:** 91.2

**TM30 Rg:** 98.2

**CQS:** 93.8

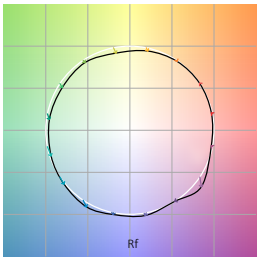
**X:** 0.330

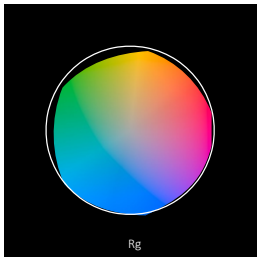
**Y:** 0.345

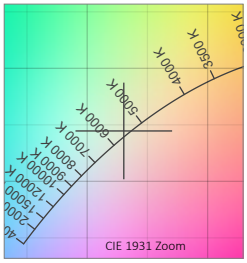
**U:** 0.204

**V:** 0.319

**Δuv:** 0.0006




| R1 | R2 | R3 | R4 | R5 | R6 | R7 | R8 | R9 | R10 | R11 | R12 | R13 | R14 | R15 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 97.8 | 99.8 | 97.9 | 94.8 | 95.2 | 95.1 | 96.2 | 96.2 | 98.3 | 98.0 | 96.3 | 70.7 | 99.2 | 98.8 | 94.8 |
| **Q1** | **Q2** | **Q3** | **Q4** | **Q5** | **Q6** | **Q7** | **Q8** | **Q9** | **Q10** | **Q11** | **Q12** | **Q13** | **Q14** | **Q15** |
| 91.5 | 97.9 | 89.7 | 86.6 | 89.9 | 92.3 | 97.2 | 97.9 | 98.9 | 98.6 | 97.4 | 98.1 | 98.7 | 98.5 | 96.1 |
| **C1** | **C2** | **C3** | **C4** | **C5** | **C6** | **C7** | **C8** | **C9** | **C10** | **C11** | **C12** | **C13** | **C14** | **C15** | **C16** |
| 93.0 | 96.9 | 95.2 | 91.9 | 89.7 | 95.0 | 91.6 | 88.3 | 87.4 | 85.0 | 86.1 | 96.7 | 93.4 | 94.1 | 84.7 | 95.6 |

| TM30 | | | |
|---|---|---|---|
| Hue Bin | $R_f$ | Chroma | Hue |
| 1 | 93 | -1% | 1% |
| 2 | 97 | 0% | 0% |
| 3 | 95 | -1% | -1% |
| 4 | 92 | -3% | -2% |
| 5 | 90 | -7% | -2% |
| 6 | 95 | -3% | 0% |
| 7 | 92 | -5% | 3% |
| 8 | 88 | -4% | 6% |
| 9 | 87 | -2% | 12% |
| 10 | 85 | 1% | 10% |
| 11 | 86 | 4% | 8% |
| 12 | 97 | 2% | 0% |
| 13 | 93 | 3% | -2% |
| 14 | 94 | 0% | -2% |
| 15 | 85 | 8% | -9% |
| 16 | 96 | -1% | 1% |

**NOTES:**
- CRI R values, only R1-R8 are used to calculate RA CRI values
- TM30 C values, 16 binned values out of total of 99 C values
- CQS Q values
- Data subject to change, all data has +/- 5% tolerance

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Specification subject to change. Rev-08-08-24