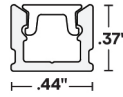
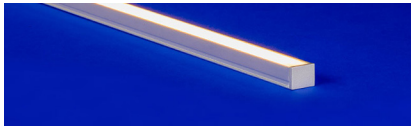




# MICRO 5 ATOM-FLAT (01) FOR TUNABLE APPLICATIONS

## 24VDC Linear Fixtures - Surface & Recessed



- MICRO 5 Series linear LED fixture engineered for exceptional light quality and even distribution, seamlessly blending with millwork details
- 60% smaller than ESSENTIALS-TORQ
- Delivers equivalent efficacy as standard size fixtures
- Choose from diffused or frosted lens options for varying diode visibility and beam angles
- Ideal for surface mounted or recessed installations that call for low-profile light in small areas
- Features a stainless steel mounting clip, making installation and repositioning effortless
- Used in applications where CCT and brightness need to be controlled separately
- When using DALI and DMX power supplies, LED wattage must be doubled
- Consult factory for field assembly options

| 1       | 2        | 3   | 4     | 5    | 6                 | 7                 | 8                  | 9          | 10        | 11       | 12     | 13          | 14            |
|---------|----------|-----|-------|------|-------------------|-------------------|--------------------|------------|-----------|----------|--------|-------------|---------------|
| PRODUCT | WATTS/FT | CCT | RATED | LENS | WIRE INPUT/OUTPUT | CONNECTOR/WIRE IN | CONNECTOR/WIRE OUT | WIRE COLOR | WIRE TYPE | MOUNTING | FINISH | LENGTH (IN) | EXACT/OPTIMAL |
|         | 2.0      |     | DRY   |      |                   |                   |                    |            |           | SST      |        |             |               |

Sample Part Number: **ATOM-01-DW-2.0-20/27-DRY-FR-S1-BW-CLS-WH-CL2-SST-ST-48"-E**

|   |   |  |  |  |  |
|---|---|--|--|--|--|
| <div><div>1</div><div>PRODUCT</div><div>ATOM-01-DW<br/>ATOM-01-DW-USA</div><div>Select USA option for BAA and BABA projects.</div><div>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.</div></div>  | <div><div>2</div><div>WATTS/FT</div><div>2.02.0W/ft</div></div>   | <div><div>3</div><div>CCT</div><div>20/272000K/2700K<br/>20/302000K/3000K<br/>27/402700K/4000K<br/>27/552700K/5500K</div></div>  | <div><div>4</div><div>RATED</div><div>DRYIP20</div></div>  | <div><div>5</div><div>LENS</div><div>DFDiffused<br/>FRFrosted</div><div>For representation of LED visibility, see Diode Visibility section on following pages.<br/>For beam angles, see Photometric Performance section on following pages</div></div> |  |
| <div><div>6</div><div>WIRE INPUT/OUTPUT</div><div>S1Single 1 (Input only) - End Feed<br/>S2Single 2 (Input only) - Bottom Feed<br/>S3Single 3 (Input only) - Left Side Feed<br/>S4Single 4 (Input only) - Right Side Feed</div><div>For continuous mounting, consider bottom feed.</div><div>P1Pass Through 1 (Input/output) - End Feed<br/>P2Pass Through 2 (Input/output) - Bottom Feed<br/>P3Pass Through 3 (Input/output) - Left Side Feed<br/>P4Pass Through 4 (Input/output) - Right Side Feed</div><div>For continuous mounting, consider bottom feed.</div></div> | <div><div>7</div><div>CONNECTOR/WIRE IN</div><div>BWBare Wire (Standard 24")<br/>CON6Connector 6"<br/>CON24Connector 24"</div><div>BW: Standard length is 24", Max length is 120". Request custom length by writing in part number next to BW (example: BW48)</div><div>BWBare Wire (Standard 24")<br/>CON6Connector 6"<br/>CON24Connector 24"</div><div>BW: Standard length is 24", Max length is 120". Request custom length by writing in part number next to BW (example: BW48)</div></div> | <div><div>8</div><div>CONNECTOR/WIRE OUT</div><div>CLSClosed End (No feed)</div><div>BWBare Wire (Standard 24")<br/>CON6Connector 6"<br/>CON24Connector 24"</div><div>BW: Standard length is 24", Max length is 120". Request custom length by writing in part number next to BW (example: BW48)</div></div> |  |  |  |
| <div><div>9</div><div>WIRE COLOR</div><div>WHWhite<br/>BKBlack</div></div>  | <div><div>10</div><div>WIRE TYPE</div><div>CL2Class 2<br/>CL2PPlenum Rated</div><div>CL2P only available with bare wire leads (BW)</div></div>  | <div><div>11</div><div>MOUNTING</div><div>SSTStainless Steel</div></div>   | <div><div>12</div><div>FINISH</div><div>STSatin<br/>BKBlack<br/>CUCustom</div><div>Custom finishes require a longer lead time, consult factory</div></div> | <div><div>13</div><div>LENGTH (IN)</div><div>Minimum length is 12", maximum length is 98.43" not including end caps. Contact us for lengths under 12".</div></div>   | <div><div>14</div><div>EXACT/OPTIMAL</div><div>EExact specified length<br/>OOptimal illumination</div></div> |

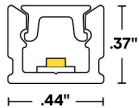
5 year warranty | Warranty only valid with QTL power supplies | Field modifications void warranty | Data subject to change, all data has +/- 5% tolerance



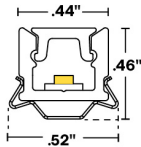
# MICRO 5 ATOM-FLAT (01) FOR TUNABLE APPLICATIONS

24VDC Linear Fixtures - Surface & Recessed

## 1 PRODUCT - DIMENSIONS



Profile with flat lens



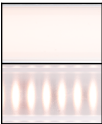
Profile with flat lens and stainless steel mounting clip

## 2 DELIVERED LUMENS

[Calculated L70 = 70000 hrs]  
Tested with ATOM-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 |
| FR | 123   | 93  | 135   | 98  | 145   | 98  | 149   | 98  | 158   | 97  |
| DF | 72    | 93  | 78    | 98  | 80    | 98  | 85    | 98  | 89    | 97  |

## 5 DIODE VISIBILITY

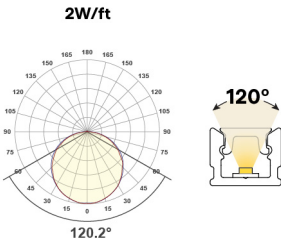


DF - Diffused lens

FR - Frosted 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 - Surface | -4°F                                  | 140°F | -4°F                               | 120°F |

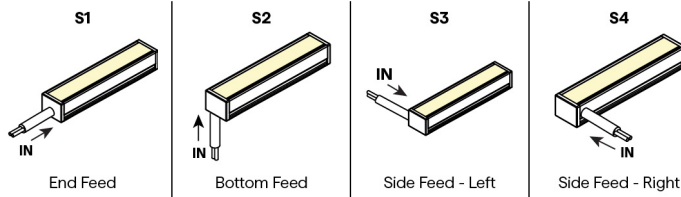


# MICRO 5 ATOM-FLAT (01) FOR TUNABLE APPLICATIONS

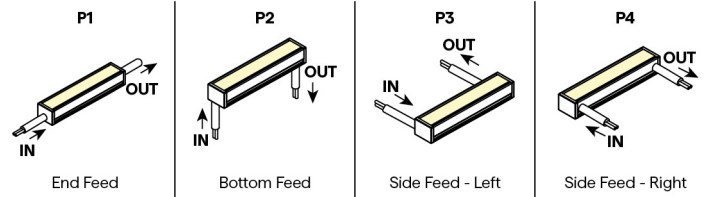
24VDC Linear Fixtures - Surface & Recessed

## 6 WIRE INPUT/OUTPUT

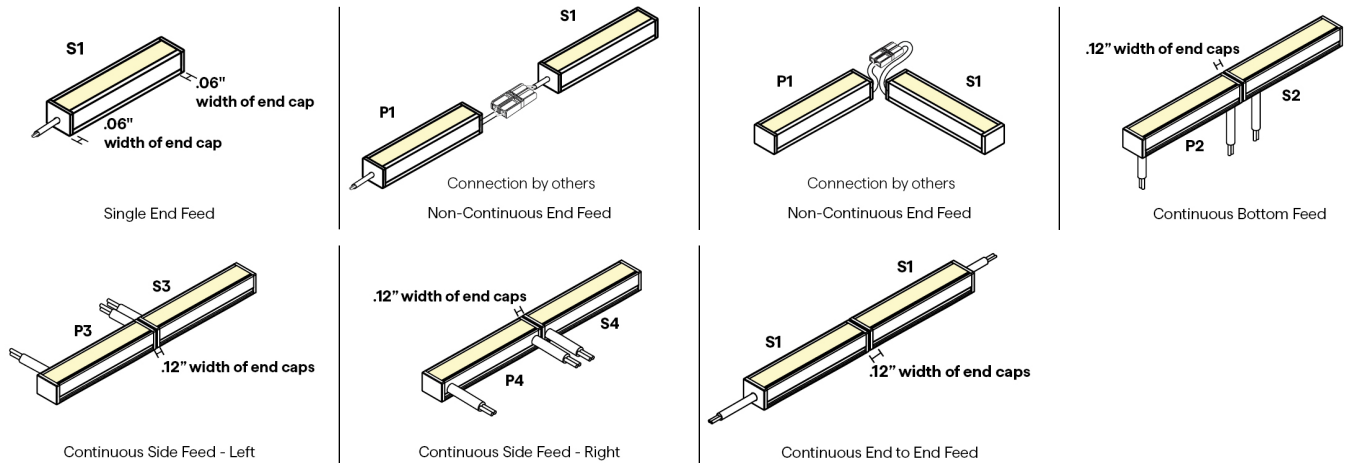
SINGLE (Input only)



PASS THROUGH (Input/Output)

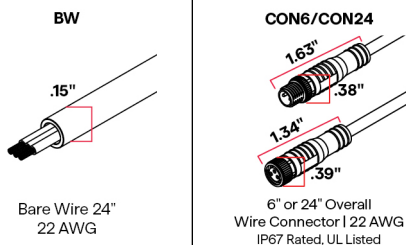


## CONFIGURATION OPTIONS



## 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



## 9 WIRE COLOR



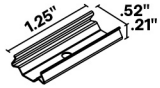


# MICRO 5 ATOM-FLAT (01) FOR TUNABLE APPLICATIONS

24VDC Linear Fixtures - Surface & Recessed

## 11 MOUNTING

SST



Stainless Steel Clip

2 pieces of hardware provided for 4' or less; 4 pieces provided for greater than 4'

To order separately use SST-08

Each clip comes with a #4 x 5/8" Flat Head SS

## 12 FINISH



Satin

Black

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.





# MICRO 5 ATOM-FLAT (01) FOR TUNABLE APPLICATIONS

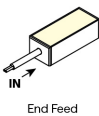
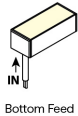
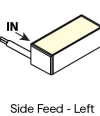
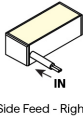
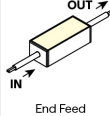
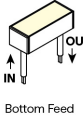
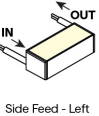
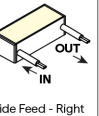
24VDC Linear Fixtures - Surface & Recessed

## DW DRY LENGTHS BY INCH

### EXACT LENGTH

| Requested Length | Potential dim spot on either end of a S1 fixture                                  |
|------------------|---|
|                  |  |
| 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 | S1 & S2 & S3 & S4   |   |   |  | P1 & P2 & P3 & P4   |   |   |   |
|--------------------------|---|---|---|--|---|---|---|---|
|                          |  |  |  |  |  |  |  |  |
| 12"                      | 10.48"  |   |   |  | 10.83"  |   |   |   |
| 13"                      | 12.48"  |   |   |  | 12.83"  |   |   |   |
| 14"                      | 12.48"  |   |   |  | 12.83"  |   |   |   |
| 15"                      | 14.48"  |   |   |  | 14.83"  |   |   |   |
| 16"                      | 14.48"  |   |   |  | 14.83"  |   |   |   |
| 17"                      | 16.48"  |   |   |  | 16.83"  |   |   |   |
| 18"                      | 16.48"  |   |   |  | 16.83"  |   |   |   |
| 19"                      | 18.48"  |   |   |  | 18.83"  |   |   |   |
| 20"                      | 18.48"  |   |   |  | 18.83"  |   |   |   |
| 21"                      | 20.48"  |   |   |  | 20.83"  |   |   |   |
| 22"                      | 20.48"  |   |   |  | 20.83"  |   |   |   |
| 23"                      | 22.48"  |   |   |  | 22.83"  |   |   |   |
| 24"                      | 22.48"  |   |   |  | 22.83"  |   |   |   |
| 36"                      | 34.48"  |   |   |  | 34.83"  |   |   |   |
| 48"                      | 46.48"  |   |   |  | 46.83"  |   |   |   |
| 60"                      | 58.48"  |   |   |  | 58.83"  |   |   |   |
| 72"                      | 70.48"  |   |   |  | 70.83"  |   |   |   |
| 84"                      | 82.48"  |   |   |  | 82.83"  |   |   |   |
| 96"                      | 94.48"  |   |   |  | 94.83"  |   |   |   |

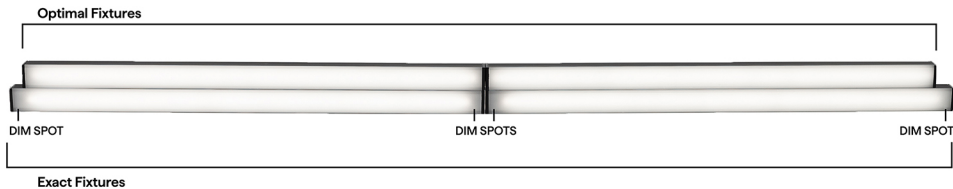
14

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.





# MICRO 5 ATOM-FLAT (01) FOR TUNABLE APPLICATIONS

24VDC Linear Fixtures - Surface & Recessed

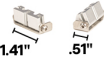






## COMPATIBLE POWER SUPPLIES

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

| DIM TO LEVEL | INDOOR  |
|--------------|---|
|              | MICRO 5-DW Tunable 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+TW<br>QT-CAB-eLED+TW-AWN<br>QTM-eLED+DALI-DT6<br>QTM-eLED+DALI-DT8<br>QTM-eLED+DALI-DT8-AWN<br>QTM-eLED+TW<br>QTM-eLED+TW-AWN |
| 1%           | QZ-DALI-DT8   |
| 10%          | Non-Dim Power Supply with TW App Dongle   |

| DIMMING PROTOCOL   | INDOOR  |
|--|---|
|  | MICRO 5-DW Tunable Applications   |
| 0-10V  | QT-CAB-eLED+TW<br>QT-CAB-eLED+TW-AWN<br>QTM-eLED+TW<br>QTM-eLED+TW-AWN  |
| Lutron Athena  | QT-CAB-eLED+DALI-DT8-AWN<br>QT-CAB-eLED+TW-AWN<br>QTM-eLED+DALI-DT8-AWN<br>QTM-eLED+TW-AWN                    |
| 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 TW App Dongle   |

## COMPATIBLE MOUNTING ACCESSORIES

|   |   |   |   |   |   |  |
|---|---|---|---|---|---|--|
| HINGE - HMB-S   | QUOVA-MICRO   | VHB   | NJ-MICRO  | BL-MICRO  | NL-MICRO  | SD-L-MICRO   |
|  |  |  |  |  |  |  |
| Adjustable mounting bracket - Small<br>1.41"<br>.51"                                | QUOVA Knife Edge  | Double sided mounting tape  | J Mounting Bracket  | Backwards L Mounting Bracket  | L Mounting Bracket  | L Mounting Bracket   |

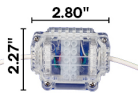


# MICRO 5 ATOM-FLAT (01) FOR TUNABLE APPLICATIONS

24VDC Linear Fixtures - Surface & Recessed

## 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