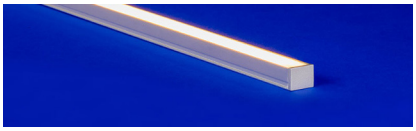
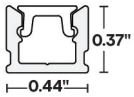
# MICRO 5 ATOM-FLAT (01) FOR TUNABLE APPLICATIONS

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

**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

| A1 PRODUCT | A2 WATTS/ FT | A3 CCT | A4 RATED | A5 LENS | A6 WIRE INPUT/ OUTPUT | A7 CONNECTOR/ WIRE IN | A8 CONNECTOR/ WIRE OUT | A9 WIRE COLOR | A10 WIRE TYPE | A11 MOUNTING | A12 FINISH | A13 LENGTH (IN) | A14 EXACT/ OPTIMAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 2.0 | | | | | | | | | SST | | | |

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

### A1 PRODUCT

**ATOM-01-DW**
**ATOM-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 |
| **FR** | Frosted |

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

| | |
|---|---|
| **S1** | Single 1 (Input only) - End Feed |
| **S2** | Single 2 (Input only) - Bottom Feed |
| **S3** | Single 3 (Input only) - Left Side Feed |
| **S4** | Single 4 (Input only) - Right Side Feed |

For continuous mounting, consider bottom feed.

| | |
|---|---|
| **P1** | Pass Through 1 (Input/output) - End Feed |
| **P2** | Pass Through 2 (Input/output) - Bottom Feed |
| **P3** | Pass Through 3 (Input/output) - Left Side Feed |
| **P4** | Pass Through 4 (Input/output) - Right Side 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

| | |
|---|---|
| **SST** | Stainless Steel |

### A12 FINISH

| | |
|---|---|
| **ST** | Satin |
| **BK** | Black |
| **CU** | Custom |

Custom finishes require a longer lead time, consult factory

### 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 void warranty | Data subject to change, all data has +/- 5% tolerance

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Specification subject to change. Rev-11-11-26

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

24VDC Linear Fixtures - Surface & Recessed

### B. Field Assembled Option

| B1 PRODUCT | B2 FINISH | B3 MOUNTING | B4 LENS | B5 WIRE INPUT/ OUTPUT | B6 EXTRUSION LENGTH (IN) | B7 V/ WATTS | B8 RATED | B9 CCT - LUMENS/ CRI | B10 CONNECTOR/ WIRE IN | B11 CONNECTOR/ WIRE OUT | B12 WIRE COLOR | B13 WIRE TYPE | B14 ILLUMINATED LENGTH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ATOM-01 | | SST | | NI | | DW24-5MM/2.0 | | | BW | CLS | | CL2 | |

## EXTRUSION ORDERING

Sample Part Number: **ATOM-01-ST-SST-DF-NI-98.43"**

**B1 PRODUCT**

**ATOM-01**

**B2 FINISH**

**ST** Satin
**BK** Black
**CU** Custom

Custom finishes require a longer lead time, consult factory

**B3 MOUNTING**

**SST** Stainless Steel

**B4 LENS**

**DF** Diffused
**FR** Frosted

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**



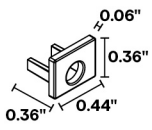
Roller tool used to lay MICRO 5 LED strips into extrusion housing

Included and required for all MICRO 5 field assembled options

To order additional, use UNIV-ROLLER

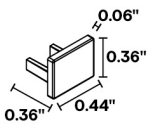
## END CAPS

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




Feed

To order separately, use ATOM-EC




No Feed

To order separately, use ATOM-EC

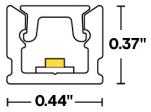
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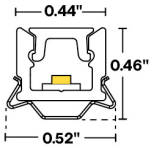
# MICRO 5 ATOM-FLAT (01) FOR TUNABLE APPLICATIONS

24VDC Linear Fixtures - Surface & Recessed

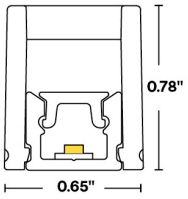
## A1 / B1 PRODUCT - DIMENSIONS



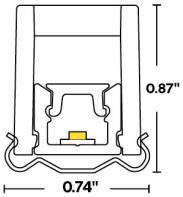

Profile with flat lens




Profile with flat lens and stainless steel mounting clip




Profile with external louver




Profile with stainless steel mounting clip & external louver

## A2 / B9 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 |

## A5 / B4 DIODE VISIBILITY

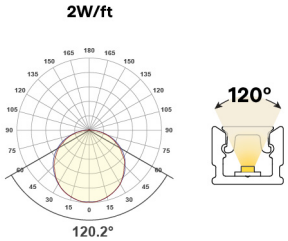


DF - Diffused lens

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 |
| DMP | Ambient Operating Temp - Surface | -4°F | 140°F | -4°F | 120°F |

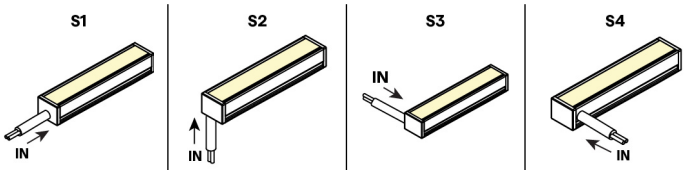
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# MICRO 5 ATOM-FLAT (01) FOR TUNABLE APPLICATIONS

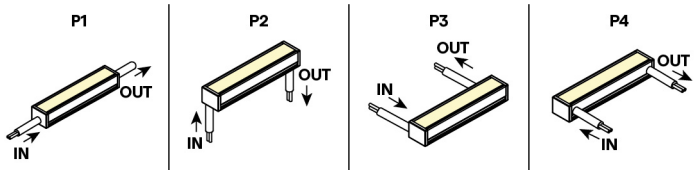
24VDC Linear Fixtures - Surface & Recessed

## A6 WIRE INPUT/OUTPUT

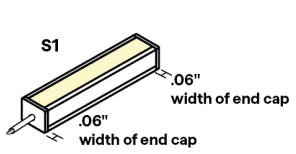
SINGLE (Input only)



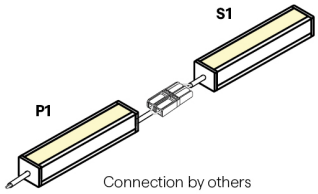

PASS THROUGH (Input/Output) - Only applicable for Non-Field Cuttable Q-CAP



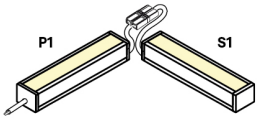

## CONFIGURATION OPTIONS



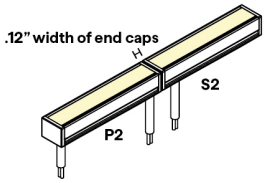

Single End Feed



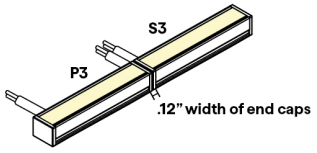

Non-Continuous End Feed



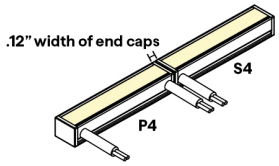

Non-Continuous End Feed



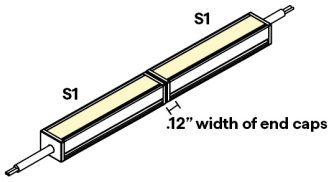

Continuous Bottom Feed




Continuous Side Feed - Left



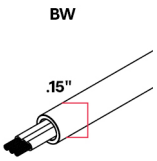

Continuous Side Feed - Right



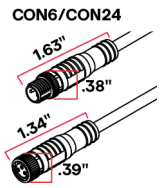

Continuous End to End Feed

## 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

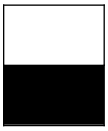



Bare Wire 24"
22 AWG




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

## A9 / B12 WIRE COLOR



White

Black

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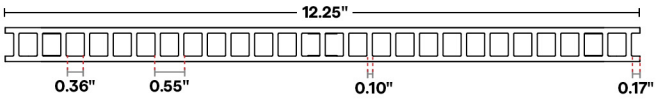
Specification subject to change. Rev-11-11-26

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

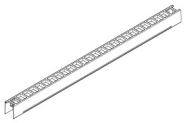
24VDC Linear Fixtures - Surface & Recessed

## EXTERNAL LOUVER ACCESSORY

**PLASTIC**

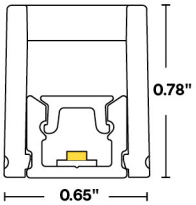



**L1-XX**



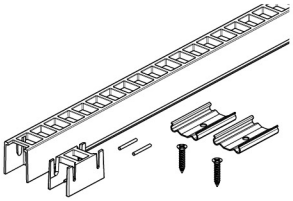
Lumen Multiplier

| WH | BK |
|---|---|
| | |
| 0.XX | 0.XX |




Profile with external louver

**MICRO EXTERNAL LOUVER KIT**



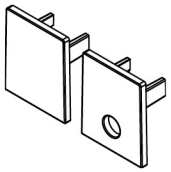
12.25" external louver, louver connector, 2x SST-01 clips, and 2x gaskets

Sold separately

To order kits:
White: MICRO5-L1-KIT-WH
Black: MICRO5-L1-KIT-BK

Each kit comes with 2x #4 x 5/8" Flat Head SS

**MICRO EXTERNAL LOUVER END CAPS**



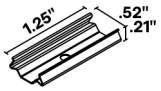
1 feed and 1 no feed end cap

Sold separately for field assembly only

To order kits:
White: MICRO5-L1-EC-WH
Black: MICRO5-L1-EC-BK

## A11 / B3 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

## A12 / B2 FINISH

Satin

Black

Custom finishes require a longer lead time, consult factory

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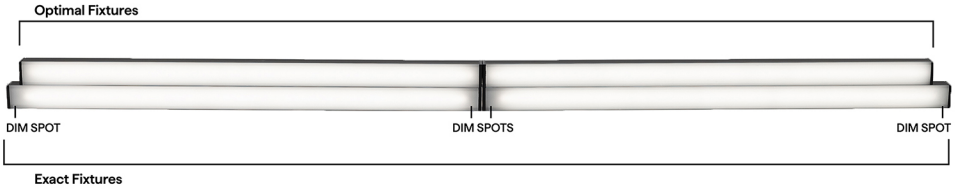
# MICRO 5 ATOM-FLAT (01) FOR TUNABLE APPLICATIONS

24VDC Linear Fixtures - Surface & Recessed

## A14 EXACT/OPTIMAL FIXTURE LENGTH

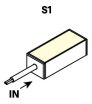
E/O Length Calculator → E/O Explained →

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.

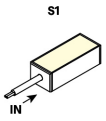
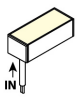
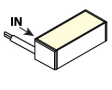
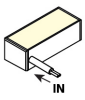
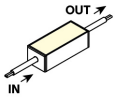
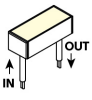
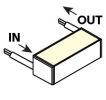
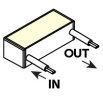



## DW DRY DMP LENGTHS BY INCH

### 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 | S1 & S2 & S3 & S4 | | | | P1 & P2 & P3 & P4 | | | |
|---|---|---|---|---|---|---|---|---|
| |  |  |  |  |  |  |  |  |
| | S1 End Feed | S2 Bottom Feed | S3 Side Feed - Left | S4 Side Feed - Right | P1 End Feed | P2 Bottom Feed | P3 Side Feed - Left | P4 Side Feed - Right |
| 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" | | | |

## 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>QTM-eLED+DALI-DT6<br>QTM-eLED+DALI-DT8<br>QTM-eLED+DALI-DT8-AWN<br>QTM-eLED+TW |
| 1% | QZ-DALI-DT8 |
| 10% | Non-Dim Power Supply with TW App Dongle |

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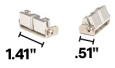
# MICRO 5 ATOM-FLAT (01) FOR TUNABLE APPLICATIONS

24VDC Linear Fixtures - Surface & Recessed

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




Adjustable mounting bracket - Small

**QUOVA-MICRO**



QUOVA Knife Edge

**VHB**



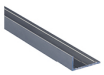
Double sided mounting tape

**NJ-MICRO**



J Mounting Bracket

**BL-MICRO**



Backwards L Mounting Bracket

**NL-MICRO**



L Mounting Bracket

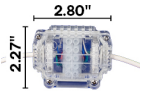
**SD-L-MICRO**



L Mounting Bracket

## 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-11-11-26