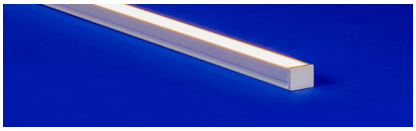
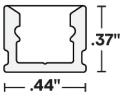
# MICRO 5 ATOM-ENCAPSULATED (03) FOR TUNABLE APPLICATIONS

24VDC Linear Fixtures - Surface & Recessed






- MICRO 5 Series linear LED fixture engineered for exceptional light quality and even distribution, seamlessly blending with millwork details
- Features high quality LED strips encapsulated in polyurethane in a rigid extrusion providing a robust fixture
- Encapsulation available in clear or translucent
- Suitable for indoor and outdoor locations
- 60% smaller than ESSENTIALS-TORQ
- Delivers equivalent efficacy as standard size fixtures
- 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

**INFORMATION REQUIRED FOR LIGHTING SCHEDULE**

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

**ADDITIONAL INFORMATION REQUIRED TO ORDER**

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

Sample Part Number: **ATOM-03-DW-2.0-24/30-ENC-TL-S1-BW-CLS-WH-CL2-SST-ST-48"-E**

## 1 PRODUCT

**ATOM-03-DW**
**ATOM-03-DW-USA**

Select USA option for BAA and BABA projects.

LED engine is built with 3 wires requiring 0-10V, DMX or DALI control. Using DALI, DMX, or non QTL power supplies may double watts/ft. See following pages for compatible power supplies.

## 2 WATTS/FT

**2.0** 2.0W/ft

## 3 CCT

**22/30** 2200K/3000K
**22/35** 2200K/3500K
**24/30** 2400K/3000K
**24/40** 2400K/4000K
**27/40** 2700K/4000K

## 4 RATED

**ENC** IP67

## 5 LENS

**TL** Translucent

For representation of LED visibility, see Diode Visibility section on following pages.
For beam angles, see Photometric Performance section on following pages

## 6 WIRE INPUT/OUTPUT

**SINGLE (Input only)**
**S1** End Feed
**S2** Bottom Feed
**S3** Left Side Feed
**S4** Right Side Feed

For continuous mounting, consider bottom feed.

**PASS THROUGH (Input/output)**
**P1** End Feed
**P2** Bottom Feed
**P3** Left Side Feed
**P4** Right Side Feed

For continuous mounting, consider bottom feed.

## 7 CONNECTOR/WIRE IN

**BW** Bare Wire (Standard 24")
**CON6** Connector 6"
**CON24** Connector 24"

BW: Standard length is 24", Max length is 120". Request custom length by writing in part number next to BW (example: BW48)

**BW** Bare Wire (Standard 24")
**CON6** Connector 6"
**CON24** Connector 24"

BW: Standard length is 24", Max length is 120". Request custom length by writing in part number next to BW (example: BW48)

## 8 CONNECTOR/WIRE OUT

**CLS** Closed End (No feed)

**BW** Bare Wire (Standard 24")
**CON6** Connector 6"
**CON24** Connector 24"

BW: Standard length is 24", Max length is 120". Request custom length by writing in part number next to BW (example: BW48)

## 9 WIRE COLOR

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

## 10 WIRE TYPE

**CL2** Class 2
**CL2P** Plenum Rated

CL2P only available with bare wire leads (BW)

## 11 MOUNTING

**SST** Stainless Steel

## 12 FINISH

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

Custom finishes require a longer lead time, consult factory

## 13 LENGTH (IN)

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

## 14 EXACT/OPTIMAL

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

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

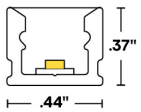
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Specification subject to change. Rev-10-02-26

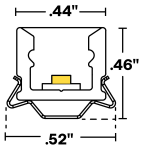
# MICRO 5 ATOM-ENCAPSULATED (03) FOR TUNABLE APPLICATIONS

24VDC Linear Fixtures - Surface & Recessed

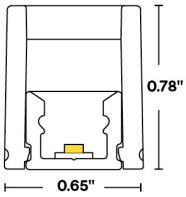
## 1 PRODUCT - DIMENSIONS



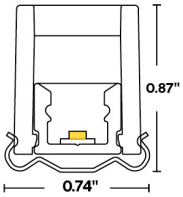

Profile




Profile with stainless steel mounting clip




Profile with external louver




Profile with stainless steel mounting clip & external louver

## 2 DELIVERED LUMENS

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

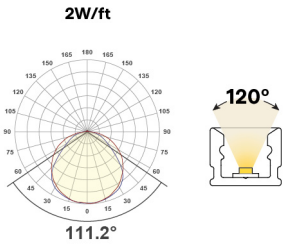
| | 2400K | | 2700K | | 3000K | | 4000K | |
|---|---|---|---|---|---|---|---|---|
| | LM/FT | CRI | LM/FT | CRI | LM/FT | CRI | LM/FT | CRI |
| TL | 79 | 93 | 86 | 93 | 83 | 95 | 91 | 97 |

## 5 DIODE VISIBILITY

ENC/TL - Translucent encapsulation

## PHOTOMETRIC PERFORMANCE

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




ENC/CL 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 |
| Ambient Operating Temp - Surface | -4°F | 135°F | -4°F | 115°F |

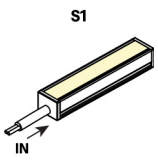
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# MICRO 5 ATOM-ENCAPSULATED (03) FOR TUNABLE APPLICATIONS

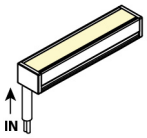
24VDC Linear Fixtures - Surface & Recessed

## 6 WIRE INPUT/OUTPUT

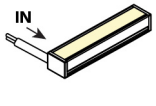
SINGLE (Input only)



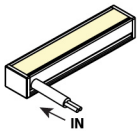

End Feed




Bottom Feed

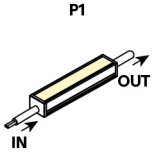



Side Feed - Left

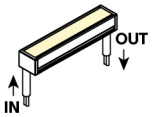



Side Feed - Right

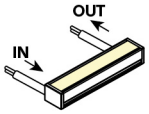
PASS THROUGH (Input/Output)



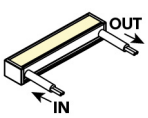

End Feed




Bottom Feed

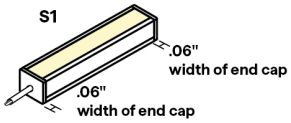



Side Feed - Left

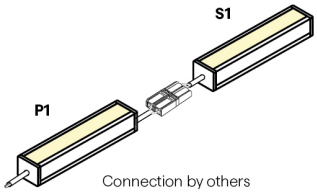



Side Feed - Right

## CONFIGURATION OPTIONS

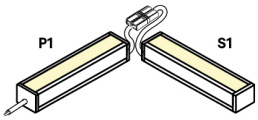



Single End Feed



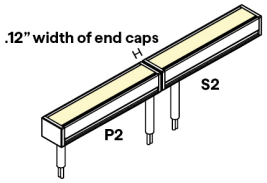

Connection by others

Non-Continuous End Feed

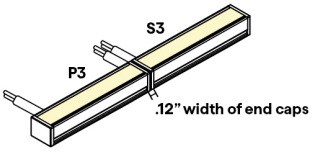



Connection by others

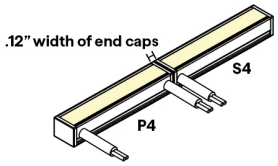
Non-Continuous End Feed



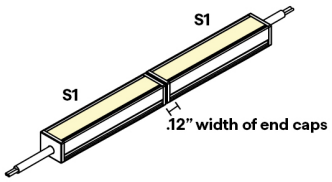

Continuous Bottom Feed




Continuous Side Feed - Left



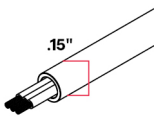

Continuous Side Feed - Right



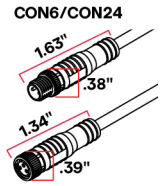

Continuous End to End Feed

## 7/8 CONNECTOR/WIRE – IN/OUT

Connector/Wire In or Out not needed to specify product. Typical selection is S1 for Wire Input/Output, BW for Connector/Wire In, N/A for Connector/Wire Out

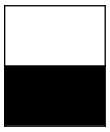



Bare Wire 24"
22 AWG




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

## 9 WIRE COLOR



White

Black

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Specification subject to change. Rev-10-02-26

# MICRO 5 ATOM-ENCAPSULATED (03) FOR TUNABLE APPLICATIONS

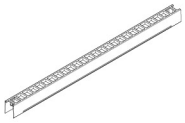
24VDC Linear Fixtures - Surface & Recessed

## EXTERNAL LOUVER ACCESSORY

**PLASTIC**

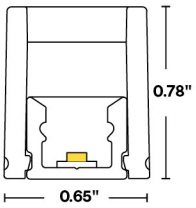



**L1-XX**



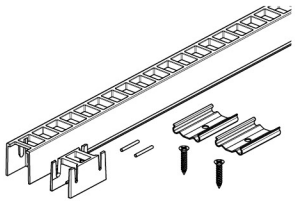
Lumen Multiplier

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




Profile with external louver

**MICRO EXTERNAL LOUVER KIT**



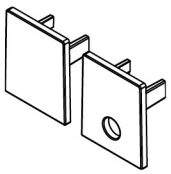
12.25" external louver, louver connector, 2x SST-01 clips, and 2x gaskets

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**



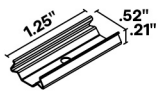
1 feed and 1 no feed end cap

Sold separately for bare wire (BW) fixtures only

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

## 11 MOUNTING

**SST**



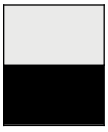

Stainless Steel Clip

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

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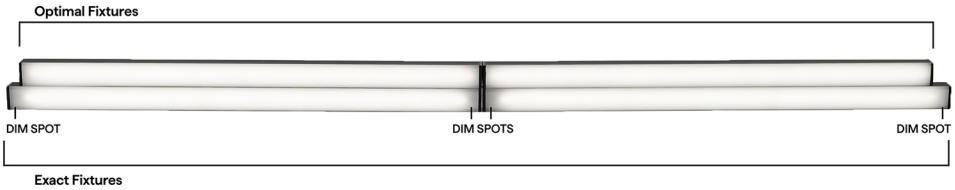
# MICRO 5 ATOM-ENCAPSULATED (03) FOR TUNABLE APPLICATIONS

24VDC Linear Fixtures - Surface & Recessed

## 14 EXACT/OPTIMAL FIXTURE LENGTH

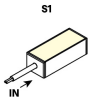
E/O Length Calculator → E/O Explained →

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.



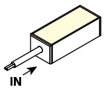
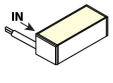
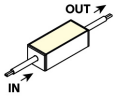
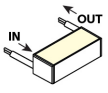
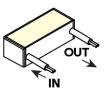

## DW ENC LENGTHS BY INCH

### 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 | | | |
|---|---|---|---|---|---|---|---|---|
| |  |  |  |  |  |  |  |  |
| | End Feed | Bottom Feed | Side Feed - Left | Side Feed - Right | End Feed | Bottom Feed | Side Feed - Left | 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 | OUTDOOR |
|---|---|---|
| | MICRO 5-DW Tunable Applications | 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 | Q-SET-QZ-DMX<br>QOM-eLED+DALI-DT6<br>QOM-eLED+DALI-DT6-PS<br>QOM-eLED+DALI-DT8<br>QOM-eLED+DALI-DT8-PS<br>QOM-eLED+TW |
| 1% | QZ-DALI-DT8 | Q-SET+QZ-DALI-DT8<br>QZ-DALI-DT8 |
| 10% | Non-Dim Power Supply with TW App Dongle | |

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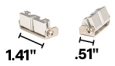
# MICRO 5 ATOM-ENCAPSULATED (03) FOR TUNABLE APPLICATIONS

24VDC Linear Fixtures - Surface & Recessed

| DIMMING PROTOCOL | INDOOR | OUTDOOR |
|---|---|---|
| | **MICRO 5-DW Tunable Applications** | **MICRO 5-DW Tunable Applications** |
| **0-10V** | QT-CAB-eLED+TW<br>QTM-eLED+TW | QOM-eLED+TW |
| **Lutron Athena** | QT-CAB-eLED+DALI-DT8-AWN<br>QTM-eLED+DALI-DT8-AWN | |
| **DMX**<br>LED wattage must be doubled for DW-HE products | | Q-SET-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 | QOM-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 | Q-SET+QZ-DALI-DT8<br>QOM-eLED+DALI-DT8<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

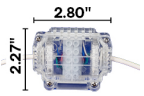
**VHB**



Double sided mounting tape

## 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

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Specification subject to change. Rev-10-02-26

# MICRO 5 ATOM-ENCAPSULATED (03) FOR TUNABLE APPLICATIONS

24VDC Linear Fixtures - Surface & Recessed

## COMPATIBLE APPS

**NFC APP**




Read and write DMX addresses and adjust voltage

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