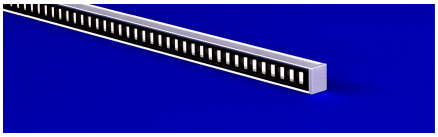
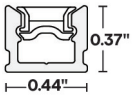
# MICRO 5 ATOM-LOUVER (05) FOR WARM DIM APPLICATIONS

24VDC Linear Fixtures - Surface & Recessed






- MICRO 5 Series linear LED fixture engineered for exceptional light quality and even distribution, seamlessly blending with millwork details
- 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 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

**INFORMATION REQUIRED FOR LIGHTING SCHEDULE**

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

**ADDITIONAL INFORMATION REQUIRED TO ORDER**

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

Sample Part Number: **ATOM-05-DW-2.0-20/27-DRY-DFWL-S1-BW-CLS-WH-CL2-SST-ST-48"-E**

## 1 PRODUCT

**ATOM-05-DW**
**ATOM-05-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.

## 2 WATTS/FT

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

## 3 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 |

## 4 RATED

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

## 5 LENS

| | |
|---|---|
| **DFWL** | Diffused White Louver |
| **DFBL** | Diffused Black Louver |

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

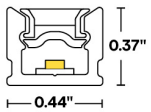
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Specification subject to change. Rev-11-11-26

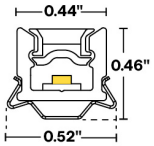
# MICRO 5 ATOM-LOUVER (05) FOR WARM DIM APPLICATIONS

24VDC Linear Fixtures - Surface & Recessed

## 1 PRODUCT - DIMENSIONS




Profile with internal louver




Profile with internal louver and stainless steel mounting clip

## 2 DELIVERED LUMENS

[Calculated L70 = 70000 hrs]
Tested with ATOM-05-DW-2.0-**-DRY

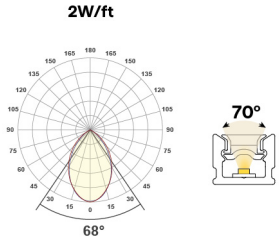
| | 3000K | | |
|---|---|---|---|
| | LM/FT | CRI | UGR |
| DF-BK | 29 | 98 | ≤ 12.8 |
| DF-WH | 51 | 98 | ≤ 18.6 |

## 5 DIODE VISIBILITY

DF - Diffused 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 |

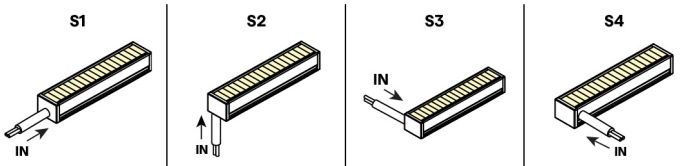
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# MICRO 5 ATOM-LOUVER (05) FOR WARM DIM APPLICATIONS

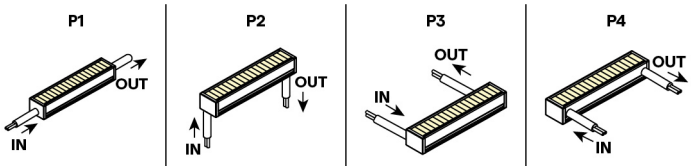
24VDC Linear Fixtures - Surface & Recessed

## 6 WIRE INPUT/OUTPUT

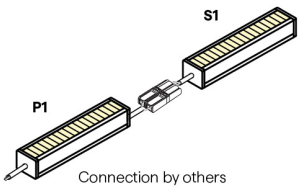
SINGLE (Input only)



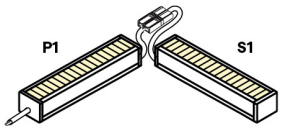

PASS THROUGH (Input/Output)



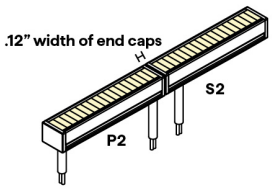

## CONFIGURATION OPTIONS



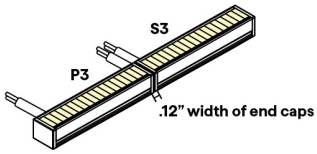

Non-Continuous End Feed



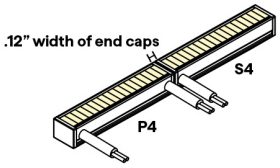

Non-Continuous Corner Feed



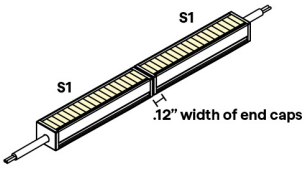

Continuous Bottom Feed




Continuous Side Feed - Left



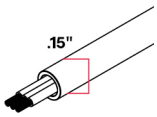

Continuous Side Feed - Right



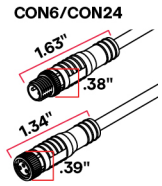

Continuous End to End Feed

## 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

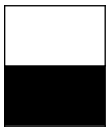



Bare Wire 24"
22 AWG




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

## 9 WIRE COLOR



White

Black

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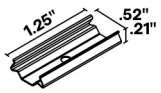
Specification subject to change. Rev-11-11-26

# MICRO 5 ATOM-LOUVER (05) FOR WARM DIM 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

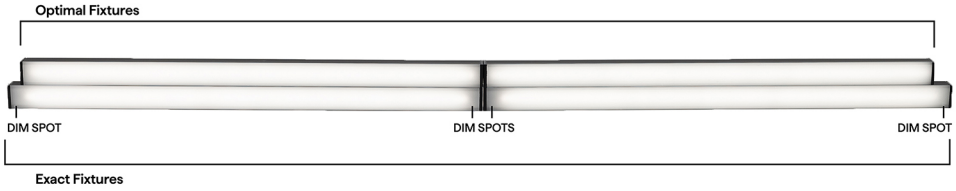
Custom finishes require a longer lead time, consult factory

## 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.



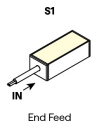

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# MICRO 5 ATOM-LOUVER (05) FOR WARM DIM APPLICATIONS

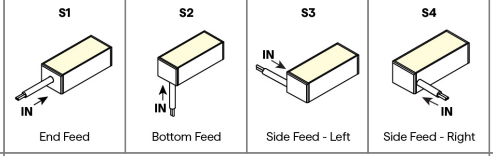
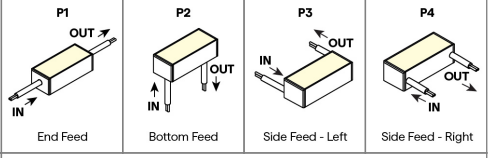
24VDC Linear Fixtures - Surface & Recessed

## DW DRY DMP LENGTHS BY INCH

### EXACT LENGTH

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

## 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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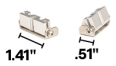
# MICRO 5 ATOM-LOUVER (05) FOR WARM DIM APPLICATIONS

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 MOUNTING ACCESSORIES

**HINGE - HMB-S**




Adjustable mounting bracket - Small

**QUOVA-MICRO**



QUOVA Knife Edge

**VHB**



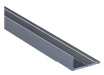
Double sided mounting tape

**NJ-MICRO**



J Mounting Bracket

**BL-MICRO**



Backwards L Mounting Bracket

**NL-MICRO**



L Mounting Bracket

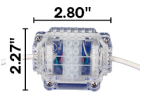
**SD-L-MICRO**



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

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# MICRO 5 ATOM-LOUVER (05) FOR WARM DIM APPLICATIONS

24VDC Linear Fixtures - Surface & Recessed

## COMPATIBLE APPS

**NFC APP**

Q-NFC

Read and write DMX addresses and adjust voltage

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