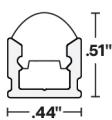




# MICRO 5 ATOM-OPTICS (02) FOR TUNABLE APPLICATIONS

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 an optically enhanced lens
- 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
- Consult factory for field assembly options

## INFORMATION REQUIRED FOR LIGHTING SCHEDULE

1 PRODUCT	2 WATTS/ FT	3 CCT	4 RATED	5 LENS
ATOM-02-DW	2.0		DRY	20D

## 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-02-DW-2.0-20/27-DRY-20D-S1-BW-CLS-WH-CL2-SST-ST-48"-E**

<b>1</b> <b>PRODUCT</b>  ATOM-02-DW ATOM-02-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.	<b>2</b> <b>WATTS/FT</b>  2.0 2.0W/ft	<b>3</b> <b>CCT</b>  20/27 2000K/2700K 20/30 2000K/3000K 27/40 2700K/4000K 27/55 2700K/5500K	<b>4</b> <b>RATED</b>  DRY IP20	<b>5</b> <b>LENS</b>  20D Optical 20°  For representation of LED visibility, see Diode Visibility section on following pages. For beam angles, see Photometric Performance section on following pages
<b>6</b> <b>WIRE INPUT/OUTPUT</b>  <b>SINGLE (Input only)</b> S1 End Feed S2 Bottom Feed S3 Left Side Feed S4 Right Side Feed  For continuous mounting, consider bottom feed.	<b>7</b> <b>CONNECTOR/WIRE IN</b>  BW CON6 CON24  BW: Standard length is 24", Max length is 120". Request custom length by writing in part number next to BW (example: BW48)	<b>8</b> <b>CONNECTOR/WIRE OUT</b>  CLS  Closed End (No feed)		
<b>9</b> <b>WIRE COLOR</b>  WH White BK Black	<b>10</b> <b>WIRE TYPE</b>  CL2 Class 2 CL2P Plenum Rated  CL2P only available with bare wire leads (BW)	<b>11</b> <b>MOUNTING</b>  SST Stainless Steel	<b>12</b> <b>FINISH</b>  ST Satin BK Black CU Custom  Custom finishes require a longer lead time, consult factory	<b>13</b> <b>LENGTH (IN)</b>  Minimum length is 12", maximum length is 98.43" not including end caps. Contact us for lengths under 12".
				<b>14</b> <b>EXACT/OPTIMAL</b>  E Exact specified length O Optimal illumination

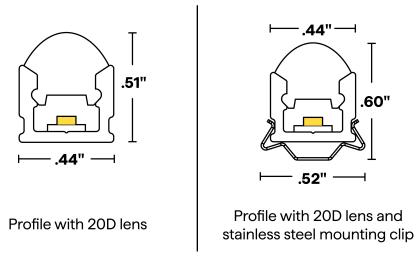
5 year warranty | Warranty only valid with QTL power supplies | Field modifications void warranty | Data subject to change, all data has +/- 5% tolerance



# MICRO 5 ATOM-OPTICS (02) FOR TUNABLE APPLICATIONS

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## 1 PRODUCT - DIMENSIONS



## 2 DELIVERED LUMENS

[Calculated L70 = 70000 hrs]  
Tested with ATOM-02-DW-2.0.\*\*-DRY

	2000K		2700K		3000K		4000K		5500K	
	LM/FT	CRI								
20D	124	93	130	98	140	98	146	98	156	97

## 5 DIODE VISIBILITY

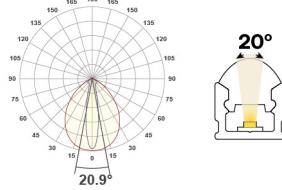


Optical lens

## PHOTOMETRIC PERFORMANCE

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

2W/ft



20D 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

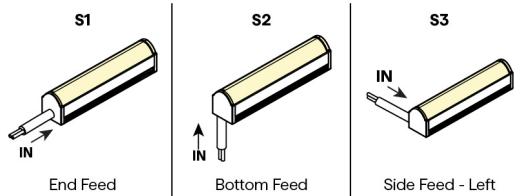


# MICRO 5 ATOM-OPTICS (02) FOR TUNABLE APPLICATIONS

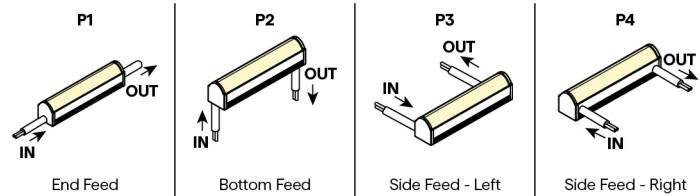
24VDC Linear Fixtures - Surface & Recessed

## 6 WIRE INPUT/OUTPUT

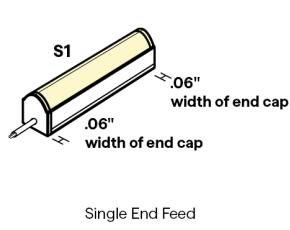
SINGLE (Input only)



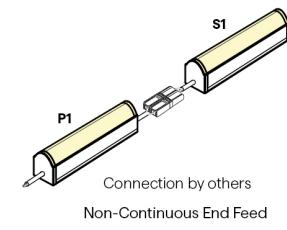
PASS THROUGH (Input/Output)



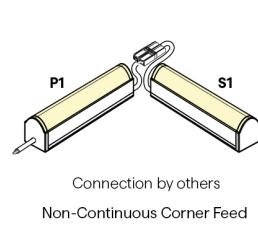
## CONFIGURATION OPTIONS



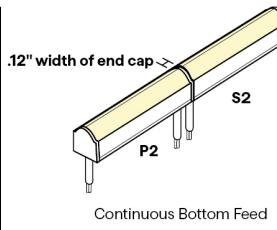
Single End Feed



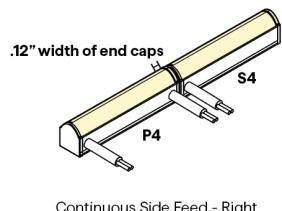
Connection by others  
Non-Continuous End Feed



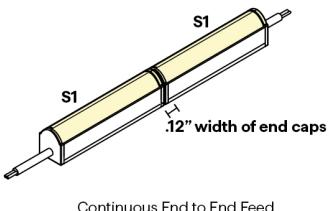
Connection by others  
Non-Continuous Corner Feed



Continuous Bottom Feed



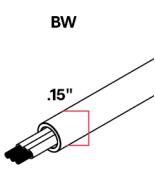
Continuous Side Feed - Right



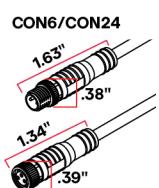
Continuous End to End Feed

## 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

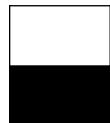


Bare Wire 24"  
22 AWG



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

## 9 WIRE COLOR



White

Black

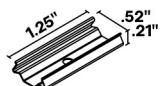


## MICRO 5 ATOM-OPTICS (02) FOR TUNABLE APPLICATIONS

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

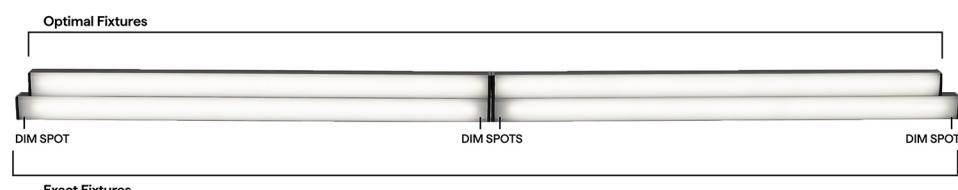
Custom finishes require a longer lead time, consult factory

### 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-OPTICS (02) 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

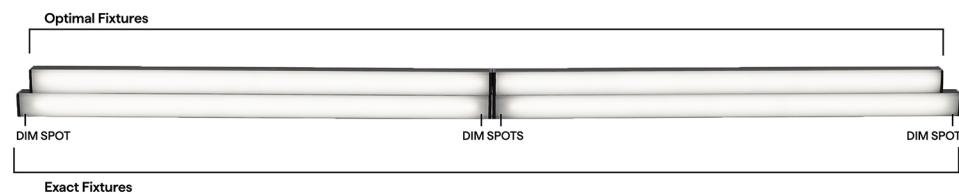
Requested Nominal Length	S1	S1 & S2 & S3 & S4	P1 & P2 & P3 & P4
12"	10.48"	10.48"	10.83"
13"	12.48"	12.48"	12.83"
14"	12.48"	12.48"	12.83"
15"	14.48"	14.48"	14.83"
16"	14.48"	14.48"	14.83"
17"	16.48"	16.48"	16.83"
18"	16.48"	16.48"	16.83"
19"	18.48"	18.48"	18.83"
20"	18.48"	18.48"	18.83"
21"	20.48"	20.48"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





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## 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 QT-CAB-eLED+DALI-DT8 QT-CAB-eLED+DALI-DT8-AWN QT-CAB-eLED+TW QT-CAB-eLED+TW-AWN QTM-eLED+DALI-DT6 QTM-eLED+DALI-DT8 QTM-eLED+DALI-DT8-AWN QTM-eLED+TW 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 QT-CAB-eLED+TW-AWN QTM-eLED+TW QTM-eLED+TW-AWN
Lutron Athena	QT-CAB-eLED+DALI-DT8-AWN QT-CAB-eLED+TW-AWN QTM-eLED+DALI-DT8-AWN QTM-eLED+TW-AWN
DALI-2: DT6 LED wattage must be doubled for DW-HE products except for AWN	QT-CAB-eLED+DALI-DT6 QTM-eLED+DALI-DT6
DALI-2: DT8 LED wattage must be doubled for DW-HE products except for AWN	QT-CAB-eLED+DALI-DT8 QT-CAB-eLED+DALI-DT8-AWN QTM-eLED+DALI-DT8 QTM-eLED+DALI-DT8-AWN QZ-DALI-DT8
SCENE App Dimmed	Non-Dim Power Supply with TW App Dongle

## COMPATIBLE MOUNTING ACCESSORIES

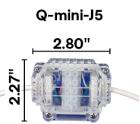
<b>HINGE - HMB-S</b>  1.41" .51"	<b>VHB</b> 	<b>NJ-GRAZER</b> 	<b>BL-GRAZER</b> 	<b>NU-GRAZER</b> 
Adjustable mounting bracket - Small	Double sided mounting tape	J Mounting Bracket	Backwards L Mounting Bracket	U Mounting Bracket



## MICRO 5 ATOM-OPTICS (02) FOR TUNABLE APPLICATIONS

24VDC Linear Fixtures - Surface & Recessed

### COMPATIBLE WIRING ACCESSORIES



UL Listed, miniature junction box, DRV/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