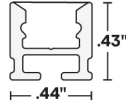
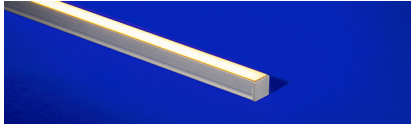




# MICRO 5 ALTA-ENCAPSULATED (03) FOR TUNABLE APPLICATIONS

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
- 55% smaller than ESSENTIALS-TALO
- Delivers equivalent efficacy as standard size fixtures
- Mounting options include stainless steel or magnet clips, 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

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

<div>1</div> <div>PRODUCT</div> <div>ALTA-03-DW ALTA-03-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>2</div> <div>WATTS/FT</div> <div>2.02.0W/ft</div>	<div>3</div> <div>CCT</div> <div>24/302400K/3000K 27/402700K/4000K</div>	<div>4</div> <div>RATED</div> <div>ENCIP67</div>	<div>5</div> <div>LENS</div> <div>TLTranslucent</div> <div>For representation of LED visibility, see Diode Visibility section on following pages. For beam angles, see Photometric Performance section on following pages</div>				
<div>6</div> <div>WIRE INPUT/OUTPUT</div> <div>SINGLE (Input only) S1End Feed S2Bottom Feed</div> <div>For continuous mounting, consider bottom feed.</div> <div>PASS THROUGH (Input/output) P1End Feed P2Bottom Feed</div> <div>For continuous mounting, consider bottom feed.</div>	<div>7</div> <div>CONNECTOR/WIRE IN</div> <div>BW CON6 CON24</div> <div>Bare Wire (Standard 24") Connector 6" Connector 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>BW CON6 CON24</div> <div>Bare Wire (Standard 24") Connector 6" Connector 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>8</div> <div>CONNECTOR/WIRE OUT</div> <div>CLS</div> <div>Closed End (No feed)</div> <div>BW CON6 CON24</div> <div>Bare Wire (Standard 24") Connector 6" Connector 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>9</div> <div>WIRE COLOR</div> <div>WHWhite BKBlack</div>	<div>10</div> <div>WIRE TYPE</div> <div>CL2Class 2 CL2PPlenum Rated</div> <div>CL2P only available with bare wire leads (BW)</div>	<div>11</div> <div>MOUNTING</div> <div>SSTMagnet MGStainless Steel</div>	<div>12</div> <div>FINISH</div> <div>ST BK CU</div> <div>Satin Black Custom</div> <div>Custom finishes require a longer lead time, consult factory</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>14</div> <div>EXACT/OPTIMAL</div> <div>E O</div> <div>Exact specified length Optimal illumination</div> <div>Exact fixtures match the exact length you specify, but they may have dim spots at the ends. Optimal fixtures are slightly shorter than the length specified, but provide full illumination from end to end.</div>

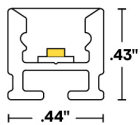
5 year warranty | Warranty only valid with QTL power supplies | Field modifications void warranty | Data subject to change, all data has +/- 5% tolerance



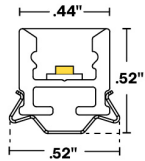
# MICRO 5 ALTA-ENCAPSULATED (03) FOR TUNABLE APPLICATIONS

24VDC Linear Fixtures - Surface & Recessed

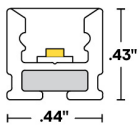
## 1 PRODUCT - DIMENSIONS



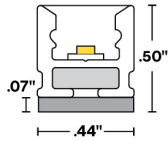
Profile



Profile with stainless steel mounting clip



Profile with magnet mounting clip



Profile with magnet mount accessory

## 2 DELIVERED LUMENS

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

	2400K		2700K		3000K		4000K	
	LM/FT	CRI	LM/FT	CRI	LM/FT	CRI	LM/FT	CRI
TL	94	93	97	93	99	94	91	97

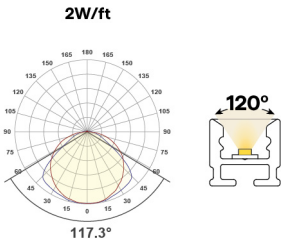
## 5 DIODE VISIBILITY



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			
	QTL power supply other than DALI, DMX		DALI, DMX, or non-QTL power supply	
	Min	Max	Min	Max
Ambient Operating Temp - Recessed	**	**	**	**
Ambient Operating Temp - Surface	-4°F	135°F	-4°F	115°F

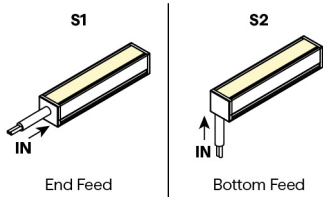


# MICRO 5 ALTA-ENCAPSULATED (03) FOR TUNABLE APPLICATIONS

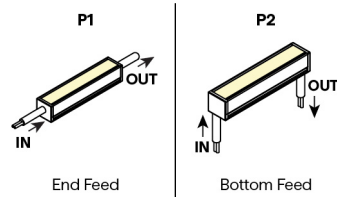
24VDC Linear Fixtures - Surface & Recessed

## 6 WIRE INPUT/OUTPUT

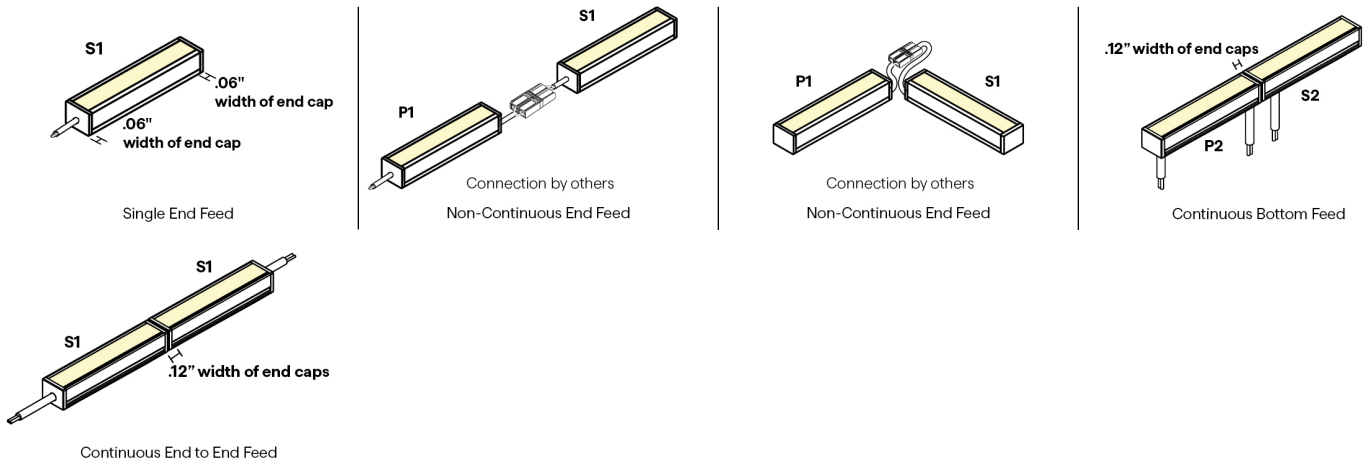
SINGLE (Input only)



PASS THROUGH (Input/Output)

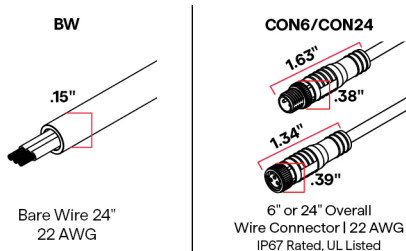


## CONFIGURATION OPTIONS



## 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



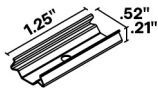


# MICRO 5 ALTA-ENCAPSULATED (03) FOR TUNABLE APPLICATIONS

24VDC Linear Fixtures - Surface & Recessed

## 11 MOUNTING

SST



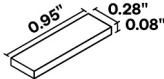
Stainless Steel Clip

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

MG

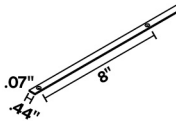


Magnet Clip

One MG provided per foot

To order separately use MG-03

MMA-03



Magnet Mount Accessory for MG-03

96" lengths | Sold separately, to order use MMA-03

Each bracket comes with 2 #6 x 5/8" Flat Head SS per foot

Required when mounting to a non-magnetic surface

## 12 FINISH



Satin

Black

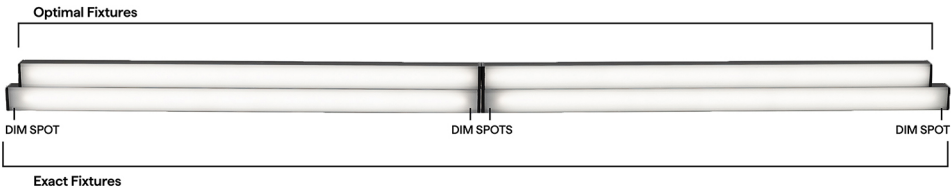
Custom finishes require a longer lead time, consult factory

## 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 ALTA-ENCAPSULATED (03) FOR TUNABLE APPLICATIONS

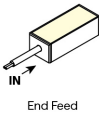
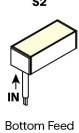
24VDC Linear Fixtures - Surface & Recessed

## DW ENC LENGTHS BY INCH

### EXACT LENGTH

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

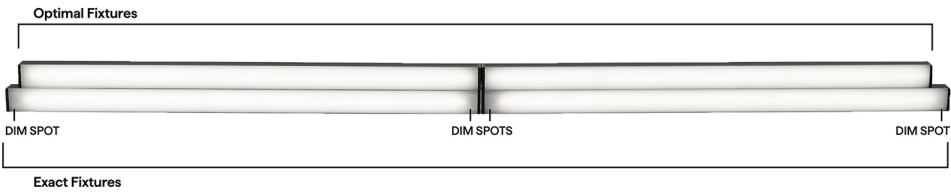
Requested Nominal Length	S1 & S2  End Feed Bottom Feed	P1 & P2  End Feed Bottom Feed
12"	10.48"	10.83"
13"	12.48"	12.83"
14"	12.48"	12.83"
15"	14.48"	14.83"
16"	14.48"	14.83"
17"	16.48"	16.83"
18"	16.48"	16.83"
19"	18.48"	18.83"
20"	18.48"	18.83"
21"	20.48"	20.83"
22"	20.48"	20.83"
23"	22.48"	22.83"
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 ALTA-ENCAPSULATED (03) FOR TUNABLE APPLICATIONS

24VDC Linear Fixtures - Surface & Recessed





## DW ENC LENGTHS BY INCH

Available in any length in between 12" and 98.43" not including end caps, chart below shows example lengths. Exact fixtures are the length specified. Optimal fixtures' length is rounded down with illumination end to end. All fixtures' tolerance is +0 - 1/8". Consult factory for lengths under 12".

### EXACT LENGTH

Requested Length	Potential dim spot on either end of fixture
12"	1"
13"	.5"
14"	1"
15"	.5"
16"	1"
17"	.5"
18"	1"
19"	.5"
20"	1"
21"	.5"
22"	1"
23"	.5"
24"	1"
36"	1"
48"	1"
60"	1"
72"	1"
84"	1"
96"	1"

### OPTIMAL LENGTH: highlighted rows are closest to requested nominal length

Requested Nominal Length	S1 & S2		P1 & P2	
				
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 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	Q-SET-QZ-DMX QOM-eLED+DALI-DT6 QOM-eLED+DALI-DT8 QOM-eLED+PS-DALI-DT6 QOM-eLED+PS-DALI-DT8 QOM-eLED+TW
1%	QZ-DALI-DT8	Q-SET+QZ-DALI-DT8 QZ-DALI-DT8
10%	Non-Dim Power Supply with TW App Dongle	



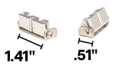
# MICRO 5 ALTA-ENCAPSULATED (03) FOR TUNABLE APPLICATIONS

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

## COMPATIBLE MOUNTING ACCESSORIES


**HINGE - HMB-S**



1.41" .51"

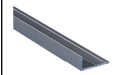
Adjustable mounting bracket - Small

**VHB**



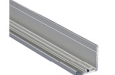
Double sided mounting tape

**BL-MICRO**



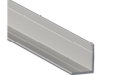
Backwards L Mounting Bracket

**NL-MICRO**



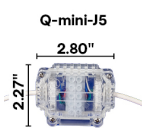
L Mounting Bracket

**SD-L-MICRO**



L Mounting Bracket

## COMPATIBLE WIRING ACCESSORIES



UL Listed, miniature junction box, DRY/DMP (WET rated with silicone)

## COMPATIBLE CONTROL ACCESSORIES

**SCENE APP DONGLE**

1.36"  
2.58"

Wi-Fi or Bluetooth Connectivity



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

24VDC Linear Fixtures - Surface & Recessed

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## COMPATIBLE APPS

### NFC APP



Read and write  
DMX addresses and  
adjust voltage