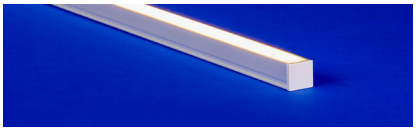
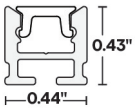
# MICRO 5 ALTA-FLAT (01) FOR TUNABLE APPLICATIONS

24VDC Linear Fixtures - Surface & Recessed






- MICRO 5 Series linear LED fixture engineered for exceptional light quality and even distribution, seamlessly blending with millwork details
- 55% smaller than ESSENTIALS-TALO
- 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
- Mounting options include a clip or a concealed magnet, 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

**INFORMATION REQUIRED FOR LIGHTING SCHEDULE**

| A1 | A2 | A3 | A4 | A5 |
|---|---|---|---|---|
| PRODUCT | WATTS/ FT | CCT | RATED | LENS |
| | 2.0 | | | |

**ADDITIONAL INFORMATION REQUIRED TO ORDER**

| A6 | A7 | A8 | A9 | A10 | A11 | A12 | A13 | A14 |
|---|---|---|---|---|---|---|---|---|
| WIRE INPUT/ OUTPUT | CONNECTOR/ WIRE IN | CONNECTOR/ WIRE OUT | WIRE COLOR | WIRE TYPE | MOUNTING | FINISH | LENGTH (IN) | EXACT/ OPTIMAL |
| | | | | | | | | |

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

#### A1 PRODUCT

**ALTA-01-DW**
**ALTA-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

**SINGLE (Input only)**

| | |
|---|---|
| **S1** | End Feed |
| **S2** | Bottom Feed |

For continuous mounting, consider bottom feed.
When using TBC Mounting, a bare wire S2 wire feed is recommended.
See install instructions for details.

**PASS THROUGH (Input/output)**

| | |
|---|---|
| **P1** | End Feed |
| **P2** | Bottom Feed |

For continuous mounting, consider bottom feed.
When using TBC Mounting, a bare wire S2 wire feed is recommended.
See install instructions for details.

#### 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 |
| **MG** | Magnet |
| **TBC-09** | 9/16" Flat or Tegular TB-Grid |
| **TBC-10** | 15/16" Flat or Tegular TB-Grid |

#### 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 ALTA-FLAT (01) FOR TUNABLE APPLICATIONS

24VDC Linear Fixtures - Surface & Recessed

### B. Field Assembled Option

| EXTRUSION ORDERING | | | | | |
|---|---|---|---|---|---|
| B1 PRODUCT | B2 FINISH | B3 MOUNTING | B4 LENS | B5 WIRE INPUT/ OUTPUT | B6 EXTRUSION LENGTH (IN) |
| ALTA-01 | | | | NI | |

| LED STRIP ORDERING | | | | | | | |
|---|---|---|---|---|---|---|---|
| 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 |
| DW24-5MM/2.0 | | | BW | CLS | | CL2 | |

## EXTRUSION ORDERING

Sample Part Number: **ALTA-01-ST-SST-DF-NI-98.43”**

**B1 PRODUCT**

**ALTA-01**

**B2 FINISH**

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

Custom finishes require a longer lead time, consult factory

**B3 MOUNTING**

**SST** Stainless Steel
**MG** Magnet
**TBC-09** 9/16" Flat or Tegular TB-Grid
**TBC-10** 15/16" Flat or Tegular TB-Grid

**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**



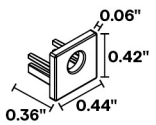
Roller tool used to lay MICRO 5 LED strips into extrusion housing

Included and required for all MICRO 5 field assembled options

To order additional, use UNIV-ROLLER

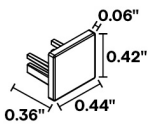
## END CAPS

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




Feed

To order separately, use ALTA-EC




No Feed

To order separately, use ALTA-EC

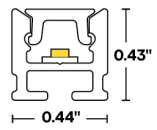
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Specification subject to change. Rev-11-11-26

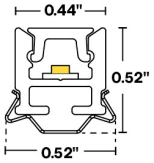
# MICRO 5 ALTA-FLAT (01) FOR TUNABLE APPLICATIONS

24VDC Linear Fixtures - Surface & Recessed

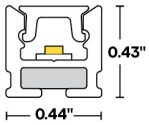
## A1 / B1 PRODUCT - DIMENSIONS



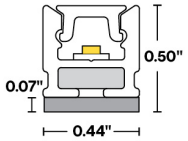

Profile with flat lens



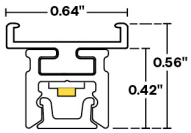

Profile with flat lens and stainless steel mounting clip



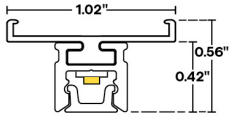

Profile with flat lens and magnet mounting clip



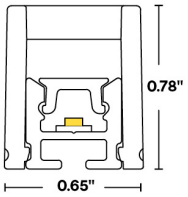

Profile with flat lens, magnet mount clip, and magnet mount accessory



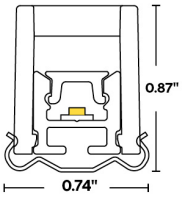

Profile with TBC-09



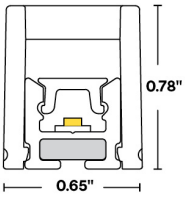

Profile with TBC-10



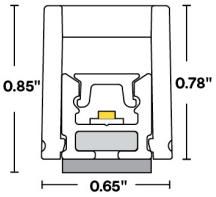

Profile with external louver



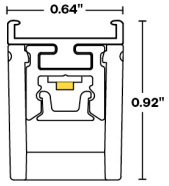

Profile with stainless steel mounting clip & external louver



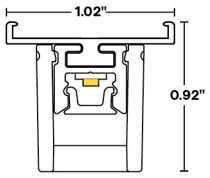

Profile with magnet mounting clip & external louver




Profile with magnet mount clip, magnet mount accessory, & external louver




Profile with TBC-09 & external louver




Profile with TBC-10 & external louver

## A2 / B9 DELIVERED LUMENS

[Calculated L70 = 70000 hrs]
Tested with ALTA-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 | 138 | 93 | 150 | 98 | 157 | 98 | 163 | 98 | 171 | 96 |
| DF | 89 | 94 | 96 | 98 | 97 | 98 | 102 | 98 | 108 | 97 |

## A5 / B4 DIODE VISIBILITY

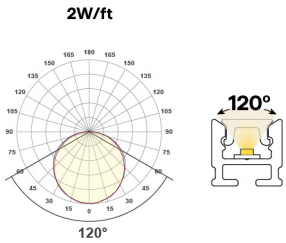


DF - Diffused lens

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

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

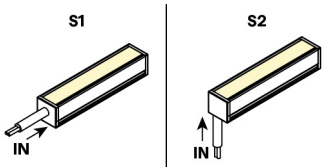
24VDC Linear Fixtures - Surface & Recessed

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

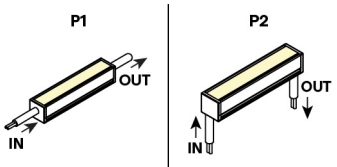
## A6 WIRE INPUT/OUTPUT

SINGLE (Input only)



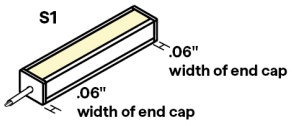

End Feed | Bottom Feed

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

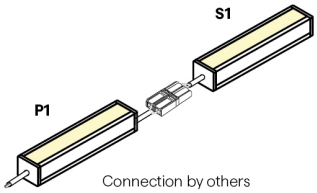



End Feed | Bottom Feed

## CONFIGURATION OPTIONS

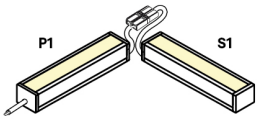



Single End Feed



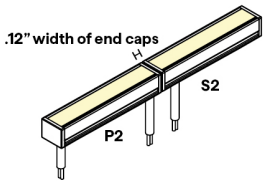

Connection by others

Non-Continuous End Feed

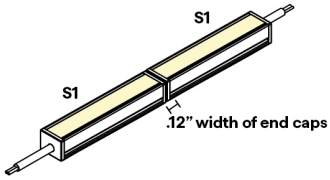



Connection by others

Non-Continuous End Feed




Continuous Bottom Feed




Continuous End to End Feed

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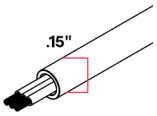
# MICRO 5 ALTA-FLAT (01) FOR TUNABLE APPLICATIONS

24VDC Linear Fixtures - Surface & Recessed

## A7 / A8 / B10 / B11 CONNECTOR/WIRE – IN/OUT

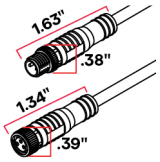
Connector/Wire In or Out not needed to specify product. Typical selection is S1 for Wire Input/Output, BW for Connector/Wire In, N/A for Connector/Wire Out

**BW**




Bare Wire 24"
22 AWG

**CON6/CON24**




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

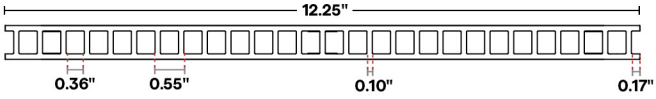
## A9 / B12 WIRE COLOR

White

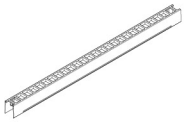
Black

## EXTERNAL LOUVER ACCESSORY

**PLASTIC**

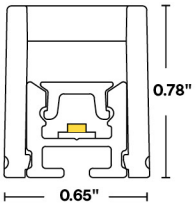



**L1-XX**



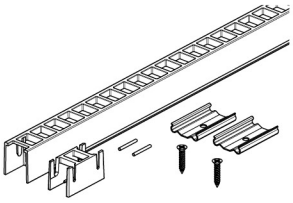
Lumen Multiplier

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




Profile with external louver

**MICRO EXTERNAL LOUVER KIT**



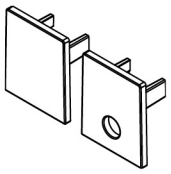
12.25" external louver, louver connector, 2x SST-01 clips, and 2x gaskets

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**



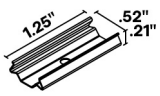
1 feed and 1 no feed end cap

Sold separately for field assembly only

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

## A11 / B3 MOUNTING

**SST**



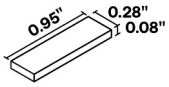

Stainless Steel Clip

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

**MG**

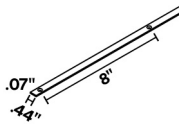



Magnet Clip

One MG provided per foot

To order separately use MG-03

**MMA-03**



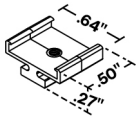

Magnet Mount
Accessory for MG-03

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

**TBC-09**




Plastic T-Bar Clip

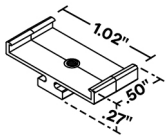
Use on 9/16" Flat or Tegular Drop Ceiling

2 clips provided for first 12"; 1 clip provided for each additional 12" or less length. 1 T-Bar Mounting Jig included with each fixture.

To order separately use TBC-09

Each pair of clips comes with M2.5 x 4mm

**TBC-10**




Plastic T-Bar Clip

Use on 15/16" Flat or Tegular Drop Ceiling

2 clips provided for first 12"; 1 clip provided for each additional 12" or less length. 1 T-Bar Mounting Jig included with each fixture.

To order separately use TBC-10

Each pair of clips comes with M2.5 x 4mm

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

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

24VDC Linear Fixtures - Surface & Recessed

## A12 / B2 FINISH

Satin

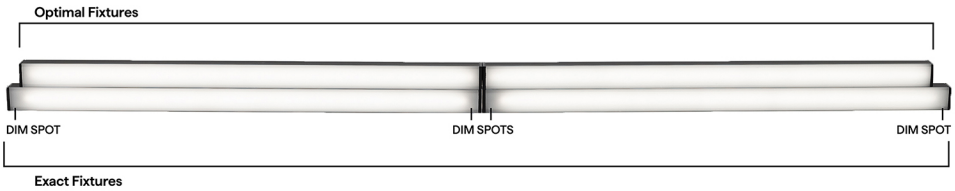
Black

Custom finishes require a longer lead time, consult factory

## A14 EXACT/OPTIMAL FIXTURE LENGTH

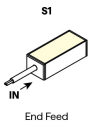
E/O Length Calculator →  E/O Explained →

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.

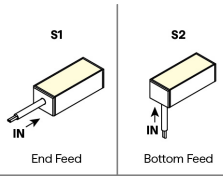
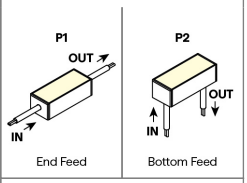



## DW DRY DMP LENGTHS BY INCH

### EXACT LENGTH

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

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

24VDC Linear Fixtures - Surface & Recessed

## COMPATIBLE POWER SUPPLIES

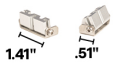
See power supplies cut sheets for more information. Data subject to change, all data has +/- 5% tolerance.

| 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 |

| 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

**VHB**



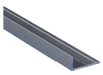
Double sided mounting tape

**NJ-MICRO**



J Mounting Bracket

**BL-MICRO**



Backwards L Mounting Bracket

**NL-MICRO**



L Mounting Bracket

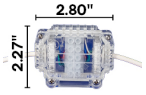
**SD-L-MICRO**



L Mounting Bracket

## COMPATIBLE WIRING ACCESSORIES

**Q-mini-J5**




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

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

24VDC Linear Fixtures - Surface & Recessed

## 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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