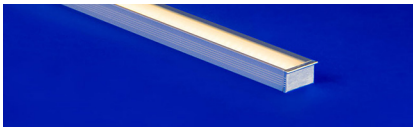
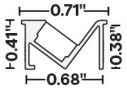
# MICRO 5 KICKER- ENCAPSULATED (03) FOR TUNABLE APPLICATIONS

24VDC Linear Fixtures - Recessed






- MICRO 5 Series linear LED fixture engineered for exceptional light quality and even distribution, seamlessly blending with millwork details
- Asymmetrical fixture with 110° focused beam 30° off-nadir
- Features high quality LED strips encapsulated in polyurethane in a rigid extrusion providing a robust fixture
- Encapsulation available in translucent
- Suitable for indoor and outdoor locations
- Ideal for recessed installations that call for low-profile light in small areas
- 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 |
| | | | | | 832 | | | |

Sample Part Number: **KCKR-03-DW-2.0-24/30-ENC-TL-S1A-BW-CLS-WH-CL2-832-ST-48"-E**

## 1 PRODUCT

**KCKR-03-DW**
**KCKR-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)**

| | |
|---|---|
| **S1A** | End Feed |
| **S1B** | End Feed |
| **S2A** | Bottom Feed |
| **S2B** | Bottom Feed |

For continuous mounting, consider bottom feed.

**PASS THROUGH (Input/output)**

| | |
|---|---|
| **P1A** | End Feed |
| **P1B** | End Feed |
| **P2A** | Bottom Feed |
| **P2B** | Bottom 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

| | |
|---|---|
| **832** | 832 Silicone |

## 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

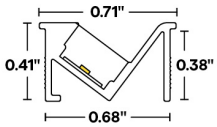
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Specification subject to change. Rev-11-11-26

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

24VDC Linear Fixtures - Recessed

## 1 PRODUCT - DIMENSIONS




Profile

## 2 DELIVERED LUMENS

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

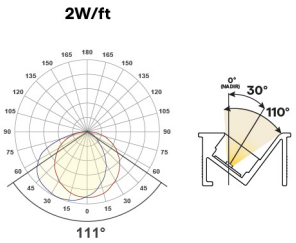
| | 2400K | | 2700K | | 3000K | | 4000K | |
|---|---|---|---|---|---|---|---|---|
| | LM/FT | CRI | LM/FT | CRI | LM/FT | CRI | LM/FT | CRI |
| TL | 100 | 93 | 96 | 96 | 99 | 96 | 113 | 98 |

## 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.




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 - Recessed | -4°F | 120°F | -4°F | 100°F |

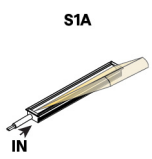
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# MICRO 5 KICKER-ENCAPSULATED (03) FOR TUNABLE APPLICATIONS

24VDC Linear Fixtures - Recessed

## 6 WIRE INPUT/OUTPUT

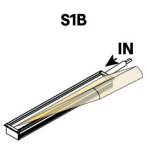
ASYMMETRIC ONLY SINGLE (Input only)



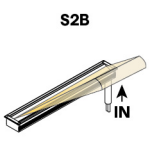

End Feed




Bottom Feed

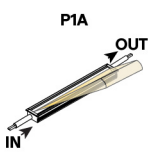



End Feed

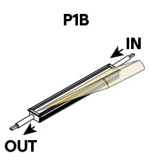



Bottom Feed

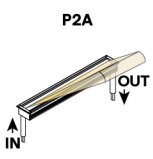
ASYMMETRIC ONLY PASS THROUGH (Input/Output)



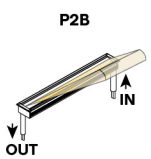

End Feed




End Feed

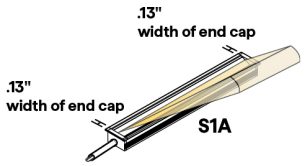



Bottom Feed

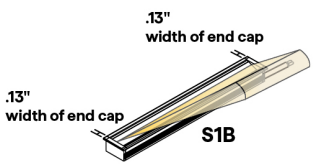



Bottom Feed

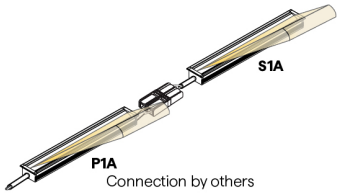
## CONFIGURATION OPTIONS




Single End Feed

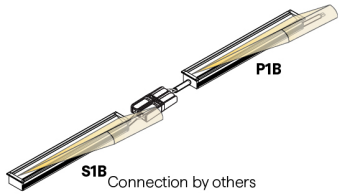



Single End Feed




Connection by others

Non-Continuous End Feed




Connection by others

Non-Continuous End Feed



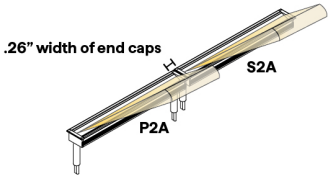

Connection by others

Non-Continuous Corner Feed

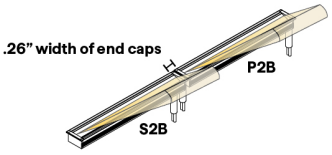



Connection by others

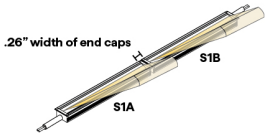
Non-Continuous Corner Feed




Non-Continuous Bottom Feed




Non-Continuous Bottom Feed

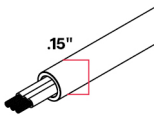



Non-Continuous End to End Feed

## 7/8 CONNECTOR/WIRE – IN/OUT

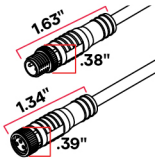
Connector/Wire In or Out not needed to specify product. Typical selection is S1 for Wire Input/Output, BW for Connector/Wire In, N/A for Connector/Wire Out

BW




Bare Wire 24"
22 AWG

CON6/CON24




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

## 9 WIRE COLOR

White

Black

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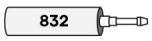
Specification subject to change. Rev-11-11-26

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

24VDC Linear Fixtures - Recessed

## 11 MOUNTING

832




832 Silicone

Sold separately

## 12 FINISH

Satin

Black

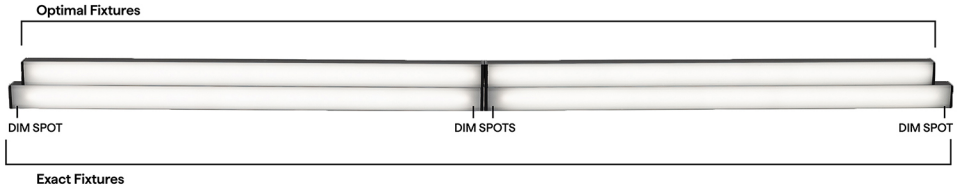
Custom finishes require a longer lead time, consult factory

## 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.



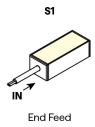

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# MICRO 5 KICKER-ENCAPSULATED (03) FOR TUNABLE APPLICATIONS

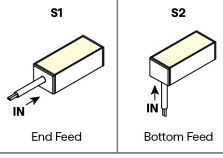
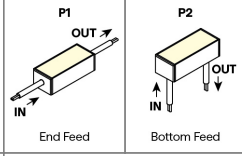
24VDC Linear Fixtures - Recessed

## 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 | S1A/B & S2A/B   | P1A/B & P2A/B   |
|---|---|---|
| 12" | 10.50" | 10.75" |
| 13" | 12.50" | 12.75" |
| 14" | 12.50" | 12.75" |
| 15" | 14.50" | 14.75" |
| 16" | 14.50" | 14.75" |
| 17" | 16.50" | 16.75" |
| 18" | 16.50" | 16.75" |
| 19" | 18.50" | 18.75" |
| 20" | 18.50" | 18.75" |
| 21" | 20.50" | 20.75" |
| 22" | 20.50" | 20.75" |
| 23" | 22.50" | 22.75" |
| 24" | 22.50" | 22.75" |
| 36" | 34.50" | 34.75" |
| 48" | 46.50" | 46.75" |
| 60" | 58.50" | 58.75" |
| 72" | 70.50" | 70.75" |
| 84" | 82.50" | 82.75" |
| 96" | 94.50" | 94.75" |

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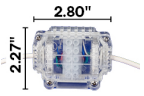
# MICRO 5 KICKER-ENCAPSULATED (03) FOR TUNABLE APPLICATIONS

24VDC Linear Fixtures - 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 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

## COMPATIBLE APPS

**NFC APP**




Read and write DMX addresses and adjust voltage

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