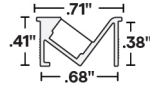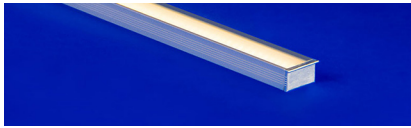# MICRO 5 KICKER-ENCAPSULATED (03) FOR TUNABLE APPLICATIONS

24VDC Linear Fixtures - Recessed

.71"
.41"
.38"
.68"

- 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 PRODUCT	2 WATTS/ FT	3 CCT	4 RATED	5 LENS
	2.0		ENC	TL

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
					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

24/30   2400K/3000K
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
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 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.
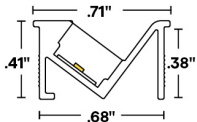
MICRO 5 KICKER-ENCAPSULATED (03) FOR TUNABLE APPLICATIONS

24VDC Linear Fixtures - Recessed

1 PRODUCT - DIMENSIONS

.71"
.41" .38"
.68"

Profile

2 DELIVERED LUMENS

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

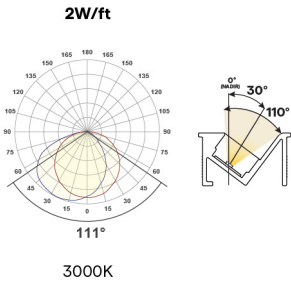|	2400K		2700K		3000K		4000K	
	LM/FT	CRI	LM/FT	CRI	LM/FT	CRI	LM/FT	CRI
TL	100	93	96	96	99	96	113	98

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.

2W/ft

0° (NADIR)
30°
110°

111°

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

6 WIRE INPUT/OUTPUT

ASYMMETRIC ONLY SINGLE (Input only)

S1A	S2A	S1B	S2B
IN	IN	IN	IN
End Feed	Bottom Feed	End Feed	Bottom Feed
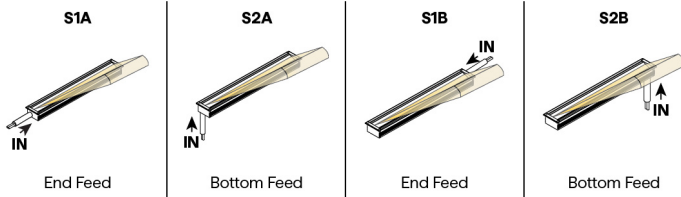
ASYMMETRIC ONLY PASS THROUGH (Input/Output)

P1A	P1B	P2A	P2B
OUT / IN	IN / OUT	IN / OUT	IN / OUT
End Feed	End Feed	Bottom Feed	Bottom Feed

CONFIGURATION OPTIONS

.13" width of end cap
.13" width of end cap
S1A
Single End Feed

.13" width of end cap
.13" width of end cap
S1B
Single End Feed

S1A
P1A
Connection by others
Non-Continuous End Feed

P1B
S1B Connection by others
Non-Continuous End Feed

P1A **S1A**
Connection by others
Non-Continuous Corner Feed

S1B **P1B**
Connection by others
Non-Continuous Corner Feed

.26" width of end caps
S2A
P2A
Non-Continuous Bottom Feed

.26" width of end caps
P2B
S2B
Non-Continuous Bottom Feed

.26" width of end caps
S1B
S1A
Non-Continuous End to End Feed
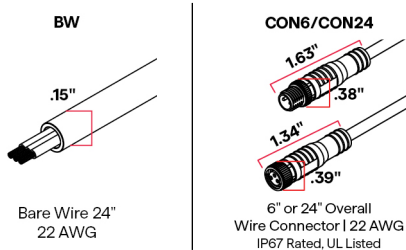
7 / 8 CONNECTOR/WIRE – IN/OUT

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
.15"
Bare Wire 24"
22 AWG

CON6/CON24
1.63"
.38"
1.34"
.39"
6" or 24" Overall
Wire Connector | 22 AWG
IP67 Rated, UL Listed

9 WIRE COLOR

⬜	White
⬛	Black

11 MOUNTING

832

832

832 Silicone

Sold separately

12 FINISH

Satin

Custom finishes require a longer lead time, consult factory

14 EXACT/OPTIMAL FIXTURE LENGTH

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.

Optimal Fixtures

DIM SPOT   DIM SPOTS   DIM SPOT
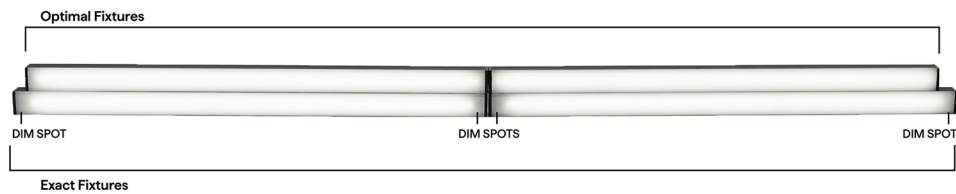
Exact Fixtures

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".
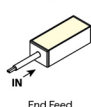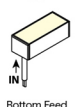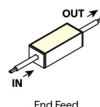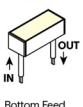
MICRO 5 KICKER-ENCAPSULATED (03) FOR TUNABLE APPLICATIONS

24VDC Linear Fixtures - Recessed

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	S1A/B & S2A/B		P1A/B & P2A/B	
	S1 — End Feed	S2 — Bottom Feed	P1 — End Feed	P2 — Bottom Feed
12"	10.5"		10.75"	
13"	12.5"		12.75"	
14"	12.5"		12.75"	
15"	14.5"		14.75"	
16"	14.5"		14.75"	
17"	16.5"		16.75"	
18"	16.5"		16.75"	
19"	18.5"		18.75"	
20"	18.5"		18.75"	
21"	20.5"		20.75"	
22"	20.5"		20.75"	
23"	22.5"		22.75"	
24"	22.5"		22.75"	
36"	34.5"		34.75"	
48"	46.5"		46.75"	
60"	58.5"		58.75"	
72"	70.5"		70.75"	
84"	82.5"		82.75"	
96"	94.5"		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 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 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 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 WIRING ACCESSORIES

Q-mini-J5

2.80"

2.27"
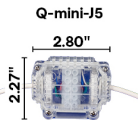
UL Listed, miniature
junction box, DRY/DMP
(WET rated with silicone)

COMPATIBLE CONTROL ACCESSORIES

SCENE APP DONGLE

1.36"

2.58"

Wi-Fi or Bluetooth
Connectivity

COMPATIBLE APPS

NFC APP

Q-NFC

Read and write
DMX addresses and
adjust voltage