Q-CAP KURV™-BK FOR TUNABLE APPLICATIONS
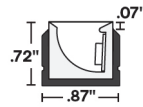
24VDC Flexible Fixtures

- Flexible encapsulated fixture with black housing
- Side bend
- 10" bend radius
- Interior and exterior rated
- Five different mounting options
- Available in a seamless configuration for a continuous line of light
- Utilize clear endcaps for continuous runs
- When using DALI and DMX power supplies, LED wattage must be doubled
- Q-CAP flexible fixtures are not field cuttable
- IK10 impact rated

.07"
.72"
.87"

INFORMATION REQUIRED FOR LIGHTING SCHEDULE

1 PRODUCT	2 MOUNTING	3 RATED	4 CCT	5 WATTAGE	6 LENS

ADDITIONAL INFORMATION REQUIRED TO ORDER

7 WIRE INPUT/ OUTPUT	8 CONNECTOR/ WIRE IN	9 CONNECTOR/ WIRE OUT	10 END CAPS	11 LENGTH (IN)	12 EXACT/ OPTIMAL

Sample Part Number: **KURV-BK-DW-PPS-2-DRY-24/30-1.5HE-ENC/TL-P1-BW-BW-N/A-48"-E**

1 PRODUCT

KURV-BK-DW
KURV-BK-DW-USA

Select USA option for BA, 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 last page for compatible power supplies.

2 MOUNTING

PL	Plastic Clip
PPS-2	PVC Clip
PPS-96	PVC Channel
BN-SB-BK-16'	16' BENDIT Side Black Stainless Channel
BN-SB-BK-32'	32' BENDIT Side Black Stainless Channel

PPS mounting clip recommended for seamless applications

3 RATED

DRY	IP20
WET	IP67

4 CCT

24/30	2400K/3000K
27/40	2700K/4000K

5 WATTAGE

1.5HE	1.5WHE-SO
2.5HE	2.5WHE-HO

SO: Standard Output
HO: High Output

6 LENS

ENC/CL	Encapsulated in Clear
ENC/TL	Encapsulated in Translucent

For representation of LED visibility, see Diode Visibility section on following pages

7 WIRE INPUT/OUTPUT

SINGLE (Input only)

S1	End Feed
S2	Bottom Feed
S3	Left Side Feed
S4	Right Side Feed
S5	Seamless Feed
S6	Seamless Feed

PASS THROUGH (Input/Output)

P1	End Feed
P2	Bottom Feed
P3	Left Side Feed
P4	Right Side Feed
P5	Seamless Feed
P6	Seamless Feed

8 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)

9 CONNECTOR/WIRE OUT

N/A	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)

10 END CAPS

Single

CL	Clear
BK	Black

Pass Through

N/A	Not Applicable

11 LENGTH (IN)

Minimum length is 12", maximum length is 188" not including end caps. Contact us for lengths under 12".
Available in 2" increments.

12 EXACT/OPTIMAL

O	Optimal Illumination
E	Exact Specified Length

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.
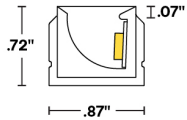
Q-CAP KURV™-BK FOR TUNABLE APPLICATIONS
24VDC Flexible Fixtures

1 PRODUCT - DIMENSIONS

.72" .07" .87"

Profile
(Standard)

.72" 1.15"
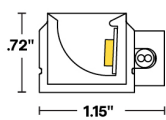
Profile
(Seamless bare wire)

.72" 1.26"
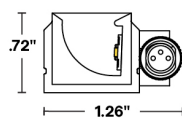
Profile
(Seamless CON6-24)

BEND RADIUS

Side Bend
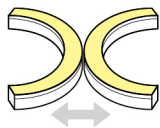
10" bending radius

FLEXIBILITY

P5

S5

PPS-2

Screws
(included)

10" bend radius

CON6

2 MOUNTING

PL

.47" .56" 1.03"
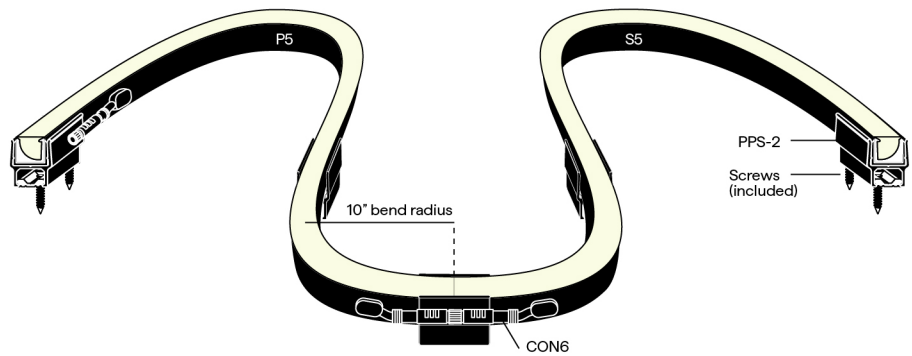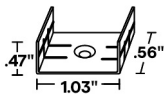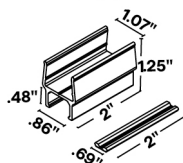
Plastic Clip
Black clip standard with
black extrusion

To order separately use PLC-03-BK

Each clip comes with a #4x5/8" flat screw

PPS-2

1.07" 1.25" .48" .86" 2" .69" 2"

PVC Mounting Clip

To order separately use KURV-BK-PPS-2

PPS-96

1.07" 125" .48" .86" .96" .69" .96"
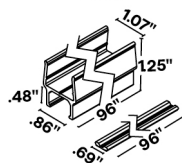
96" straight linear run

To order separately use KURV-BK-PPS-96

Each clip comes with a #8" flat screw

BN-SB

.93" .47" .87"

BENDIT Channel
Horizontal Stainless Steel
Flexible Channel

Continuous mounting solution for flexible fixtures, 16' or 32' field cuttable lengths

To order separately use either STND-QCAP-BN-SB-W-BK-16', or STND-QCAP-BN-SB-W-BK-32'

64 #4-40 1/2" screws provided per 16'

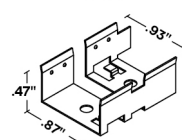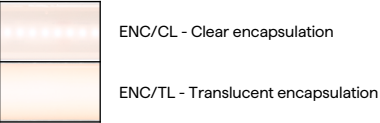## 4 / 5 DELIVERED LUMENS

[Calculated L70 = 40000 hrs]
Tested with KURV-BK-DW-PL-DRY

| CCT | 1.5HE W/FT | | | | 2.5HE W/FT | | | |
| | ENC/CL | | ENC/TL | | ENC/CL | | ENC/TL | |
	LM	CRI	LM	CRI	LM	CRI	LM	CRI
2400K	108	93	91	92	171	94	142	92
2700K	112	98	90	97	171	98	142	98
3000K	123	96	92	96	182	96	146	96
4000K	111	97	113	97	176	97	172	97

6 DIODE VISIBILITY

ENC/CL - Clear encapsulation

ENC/TL - Translucent encapsulation

TEMPERATURE RATINGS
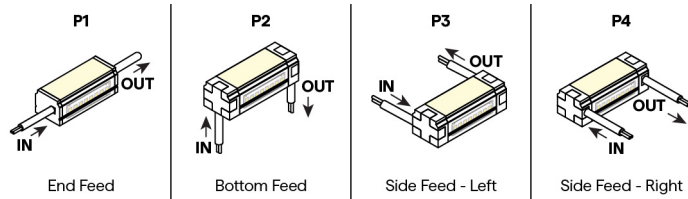
| | DW 1.5 HE W/FT | | DW 3.0 HE W/FT | | DW 2.5 HE W/FT | | DW 5.0 HE W/FT | |
| | QTL power supply other than DALI, DMX | | DALI, DMX, or non-QTL power supply | | QTL power supply other than DALI, DMX | | DALI, DMX, or non-QTL power supply | |
	Min	Max	Min	Max	Min	Max	Min	Max
Ambient Operating Temp - Surface	-4°F	140°F	-4°F	130°F	-4°F	130°F	-4°F	110°F
Storage Temp	-4°F	140°F	**	**	-4°F	140°F	**	**
Installation Temp	50°F	100°F	**	**	50°F	100°F	**	**

7 WIRE INPUT/OUTPUT

SINGLE (Input only)

S1	S2	S3	S4
IN	IN	IN	IN
End Feed	Bottom Feed	Side Feed - Left	Side Feed - Right

PASS THROUGH (Input/Output)
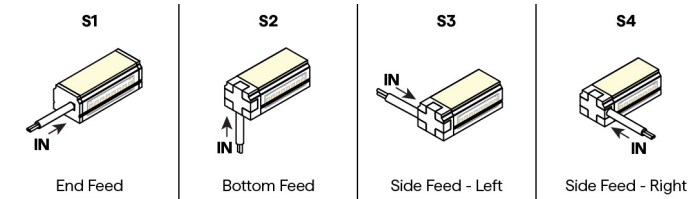
P1	P2	P3	P4
IN / OUT	IN / OUT	IN / OUT	IN / OUT
End Feed	Bottom Feed	Side Feed - Left	Side Feed - Right

SEAMLESS SINGLE (Input only)

S5	S6
IN	IN
Seamless Feed	Seamless Feed
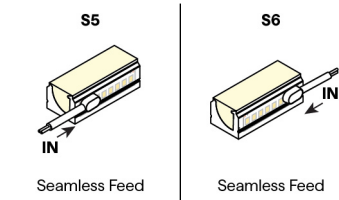
SEAMLESS PASS THROUGH (Input/Output)

P5	P6
IN / OUT	IN / OUT
Seamless Feed	Seamless Feed

Specification subject to change. Rev-10-21-25
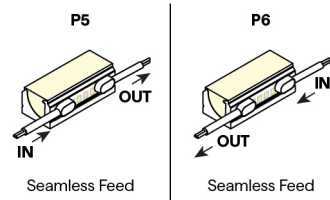
Q-CAP KURV™-BK FOR TUNABLE APPLICATIONS
24VDC Flexible Fixtures

CONFIGURATION OPTIONS

S1
.10" width of black end cap
.10" width of black end cap

Single End Feed

S1
P1
Connection by others

Non-Continuous End Feed

P1
S1
Connection by others

Non-Continuous Corner Feed

.72" width of black end caps
S2
Black end cap
P2
Black end cap

Continuous Bottom Feed

S3
P3
Black end cap
Black end cap
.72" width of black end caps

Continuous Side Feed - Left

.72" width of black end caps
S4
P4
Black end cap
Black end cap

Continuous Side Feed - Right

S5
Clear end cap
P5
Clear end cap
No dim spot, no end caps

Seamless Side Feed

S1
S1
No dim spot, clear end caps

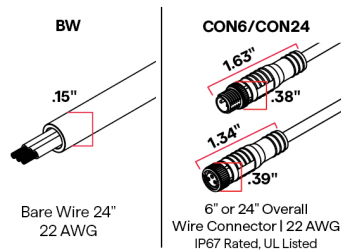Continuous End to End Feed

SEAMLESS
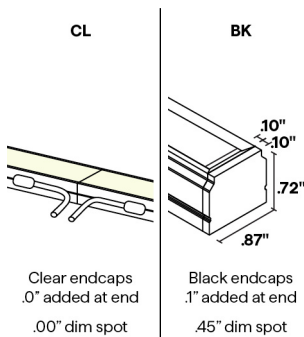
Shown with bare wire, connectors vary

4.25"
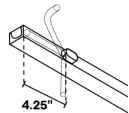
Omnidirectional wireways
S5, S6, P5, P6

⑧ / ⑨ 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, and BK for End Caps

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

⑩ END CAPS (NO FEED)

CL
Clear endcaps
.0" added at end
.00" dim spot

BK
.10"
.10"
.72"
.87"
Black endcaps
.1" added at end
.45" dim spot

END CAPS (WITH FEED)

End Feed
S1, P1
.10"
.10"
.72"
.87"
Black endcaps
.1" added at end
.45" dim spot

Tri-Directional
S2, S3, S4, P2, P3, P4
36"
.73"
.87"
Black endcaps
.36" added at end
.71" dim spot
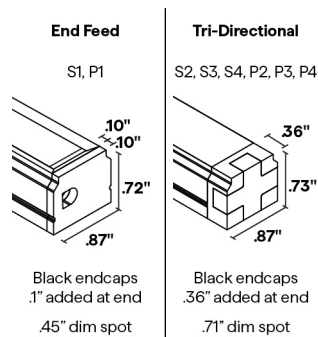
⑪ LENGTH - WIRING DETAIL

Available in 2" increments 12"-188"

.25"
Black=+24V
Blue = CW
Red = WW
BW 24"

12 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
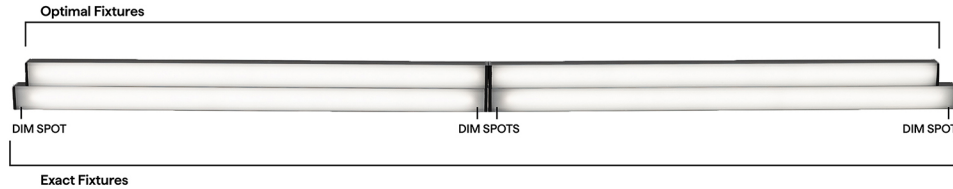
Exact Fixtures

DW-HE LENGTHS BY INCH

Available in any length in between 12" and 191", 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 (End Feed)	S2 & S3 & S4 (Bottom Feed / Side Feed - Left / Side Feed - Right)	P1 (End Feed)	P2 & P3 & P4 (Bottom Feed / Side Feed - Left / Side Feed - Right)	S5 & S6 & P5 & P6 (Seamless Feed)
12"	10.78"	11.11"	11.15"	11.83"	10.4"
13"	12.78"	11.11"	11.15"	11.83"	12.4"
14"	12.78"	13.11"	13.15"	13.83"	12.4"
15"	14.78"	13.11"	13.15"	13.83"	14.4"
16"	14.78"	15.11"	15.15"	15.83"	14.4"
17"	16.78"	15.11"	15.15"	15.83"	16.4"
18"	16.78"	17.11"	17.15"	17.83"	16.4"
19"	18.78"	17.11"	17.15"	17.83"	18.4"
20"	18.78"	19.11"	19.15"	19.83"	18.4"
21"	20.78"	19.11"	19.15"	19.83"	20.4"
22"	20.78"	21.11"	21.15"	21.83"	20.4"
23"	22.78"	21.11"	21.15"	21.83"	22.4"
24"	22.78"	23.11"	23.15"	23.83"	22.4"
36"	34.78"	35.11"	35.15"	35.83"	34.4"
48"	46.78"	47.11"	47.15"	47.83"	46.4"
60"	58.78"	59.11"	59.15"	59.83"	58.4"
72"	70.78"	71.11"	71.15"	71.83"	70.4"
84"	82.78"	83.11"	83.15"	83.83"	82.4"
96"	94.78"	95.11"	95.15"	95.83"	94.4"

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
	DW-HE Tunable Applications	DW-HE 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 QZ-DMX	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 QZ-DMX
1%	QZ-DALI-DT8	Q-SET+QZ-DALI-DT8 QZ-DALI-DT8
10%	Non-Dim Power Supply with TW App Dongle	

Q-CAP KURV™-BK FOR TUNABLE APPLICATIONS
24VDC Flexible Fixtures

DIMMING PROTOCOL	INDOOR	OUTDOOR
	DW-HE Tunable Applications	DW-HE 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	QZ-DMX	Q-SET-QZ-DMX 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

Q-ANGLE	NJ-LARGE	NU-LARGE	SD-J-LARGE	BL-LARGE	NL-LARGE	SD-L-LARGE
2.23" 1.38" Adjustable mounting accessory	J Mounting Bracket	U Mounting Bracket	J Mounting Bracket	Backwards L Mounting Bracket	L Mounting Bracket	L Mounting Bracket

COMPATIBLE WIRING ACCESSORIES

Q-mini-J5	CON120-EXT	CON FOUR-FER
2.80" 2.27" UL Listed, miniature junction box, DRY/DMP (WET rated with silicone)	10ft Con cable extender DRY/DMP/WET	Splits lead from one to four LED Con connectors DRY/DMP/WET

COMPATIBLE CONTROL ACCESSORIES

SCENE APP DONGLE

1.36"

2.58"

Wi-Fi or Bluetooth Connectivity

COMPATIBLE APPS

NFC APP

Read and write
DMX addresses and
adjust voltage