

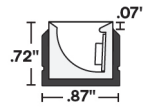


Q-CAP KURV™-BK FOR WARM DIM APPLICATIONS

24VDC Flexible Fixtures



Declare.



- 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

INFORMATION REQUIRED FOR LIGHTING SCHEDULE

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

ADDITIONAL INFORMATION REQUIRED TO ORDER

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

PPS-2

PPS-96

BN-SB-BK-16'

BN-SB-BK-32'

Plastic Clip

PVC Clip

PVC Channel

16' BENDIT Side Black Stainless Channel

32' BENDIT Side Black Stainless Channel

PPS mounting clip recommended for seamless applications

3

RATED

DRY

WET

IP20

IP67

4

CCT

22/30

22/35

24/30

24/40

27/40

2200K/3000K

2200K/3500K

2400K/3000K

2400K/4000K

2700K/4000K

5

WATTAGE

1.5HE

2.5HE

1.5WHE-SO

2.5WHE-HO

SO: Standard Output

HO: High Output

6

LENS

ENC/CL

ENC/TL

Encapsulated in Clear

Encapsulated in Translucent

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

7

WIRE INPUT/OUTPUT

SINGLE (Input only)

S1

S2

S3

S4

S5

S6

End Feed

Bottom Feed

Left Side Feed

Right Side Feed

Seamless Feed

Seamless Feed

PASS THROUGH (Input/Output)

P1

P2

P3

P4

P5

P6

End Feed

Bottom Feed

Left Side Feed

Right Side Feed

Seamless Feed

Seamless Feed

8

CONNECTOR/WIRE IN

BW

CON6

CON24

Bare Wire (Standard 24")

Connector 6"

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

CON6

CON24

Bare Wire (Standard 24")

Connector 6"

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

CL

BK

Clear

Black

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

E

Optimal Illumination

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.

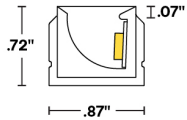
5 year warranty | Warranty only valid with QTL power supplies | Field modifications are not covered under QTL warranty | Side Bend | Data subject to change, all data has +/- 5% tolerance | PPS-FT is to be cut at QTL to requested length | Not field cuttable



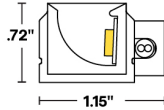
Q-CAP KURV™-BK FOR WARM DIM APPLICATIONS

24VDC Flexible Fixtures

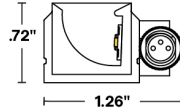
1 PRODUCT - DIMENSIONS



Profile
(Standard)



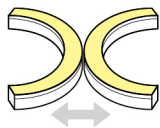
Profile
(Seamless bare wire)



Profile
(Seamless CON6-24)

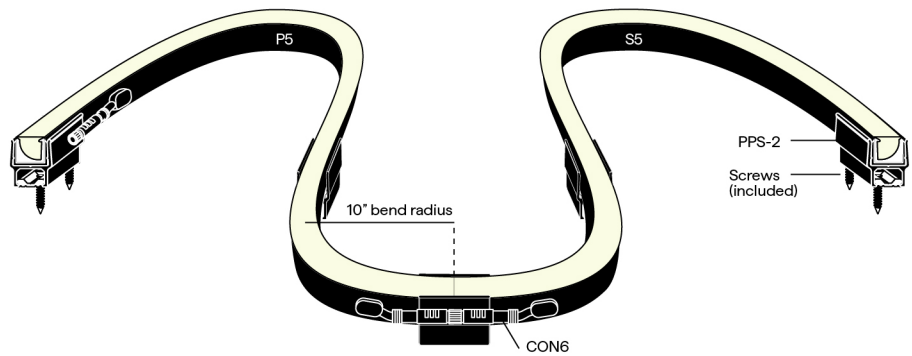
BEND RADIUS

Side Bend



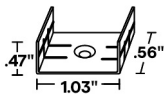
10" bending radius

FLEXIBILITY



2 MOUNTING

PL

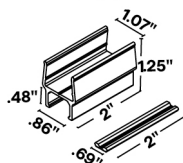


Plastic Clip
Black clip standard with
black extrusion

To order separately use PLC-03-BK

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

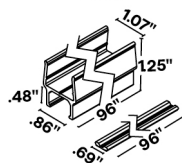
PPS-2



PVC Mounting Clip

To order separately use KURV-BK-PPS-2

PPS-96

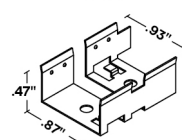


96" straight linear run

To order separately use KURV-BK-PPS-96

Each clip comes with a #8" flat screw

BN-SB



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'



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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

6 DIODE VISIBILITY

	DW-HE (ALL COOL)	DW-HE (50/50)	DW-HE (ALL WARM)
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	**	**

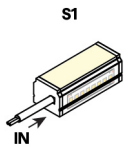


Q-CAP KURV™-BK FOR WARM DIM APPLICATIONS

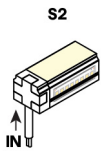
24VDC Flexible Fixtures

7 WIRE INPUT/OUTPUT

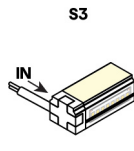
SINGLE (Input only)



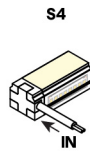
End Feed



Bottom Feed

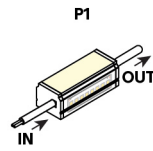


Side Feed - Left

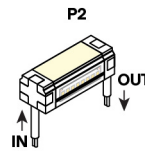


Side Feed - Right

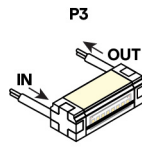
PASS THROUGH (Input/Output)



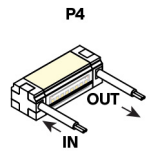
End Feed



Bottom Feed

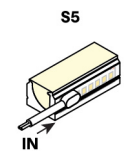


Side Feed - Left

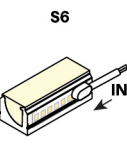


Side Feed - Right

SEAMLESS SINGLE (Input only)

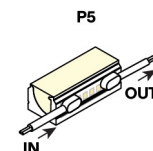


Seamless Feed

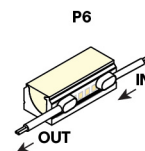


Seamless Feed

SEAMLESS PASS THROUGH (Input/Output)

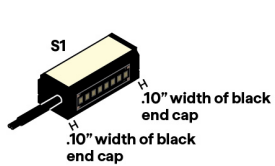


Seamless Feed

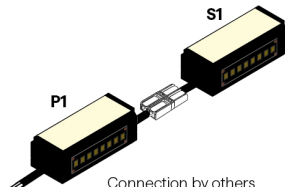


Seamless Feed

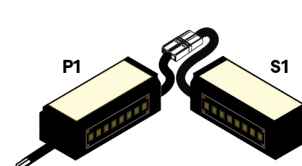
CONFIGURATION OPTIONS



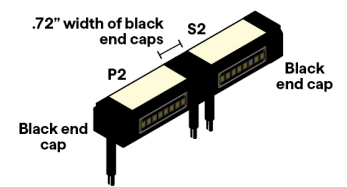
Single End Feed



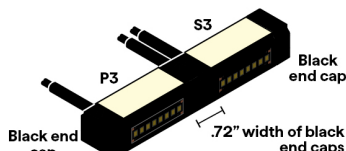
Connection by others
Non-Continuous End Feed



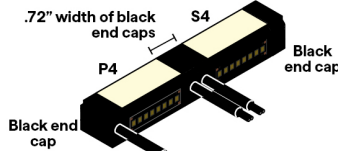
Connection by others
Non-Continuous Corner Feed



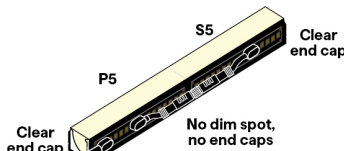
Continuous Bottom Feed



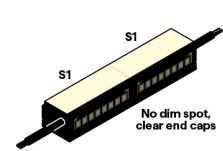
Continuous Side Feed - Left



Continuous Side Feed - Right



Seamless Side Feed



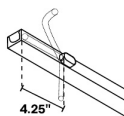
Continuous End to End Feed

SEAMLESS

8 / 9 CONNECTOR/WIRE - IN/OUT

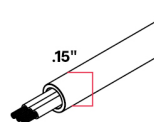
Shown with bare wire, connectors vary

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



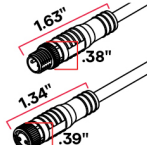
Omnidirectional
wireways
S5, S6, P5, P6

BW



Bare Wire 24"
22 AWG

CON6/CON24



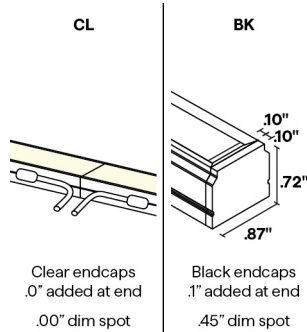
6" or 24" Overall
Wire Connector | 22 AWG
IP67 Rated, UL Listed



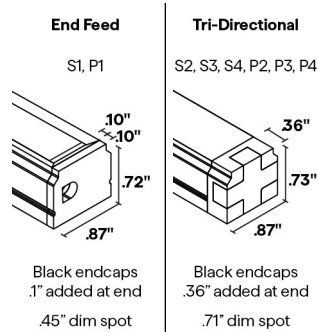
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24VDC Flexible Fixtures

10 END CAPS (NO FEED)



END CAPS (WITH FEED)



11 LENGTH - WIRING DETAIL

Available in 2" increments 12"-188"

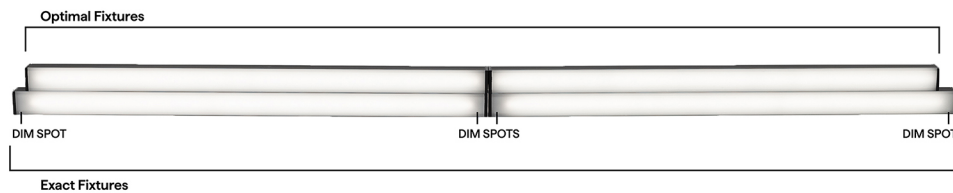


12 EXACT/OPTIMAL FIXTURE LENGTH

[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.



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 with S1 wireway
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 S1 End Feed	S2 S2 Bottom Feed	S3 S3 Side Feed - Left	S4 S4 Side Feed - Right	P1 P1 End Feed	P2 P2 Bottom Feed	P3 P3 Side Feed - Left	P4 P4 Side Feed - Right	S5 S5 Seamless Feed	P5 P5 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"	



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24VDC Flexible Fixtures

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 Warm Dim Applications	DW-HE Warm Dim Applications
0.1%	QT-CAB-eLED+DALI-DT6 QT-CAB-eLED+DALI-DT8 QT-CAB-eLED+DALI-DT8-AWN QT-CAB-eLED+WD QT-CAB-eLED+WD-AWN QTM-eLED+DALI-DT6 QTM-eLED+DALI-DT8 QTM-eLED+DALI-DT8-AWN QTM-eLED+WD QTM-eLED+WD-AWN QZ-DW	Q-SET-QZ-DW QOM-eLED+DALI-DT6 QOM-eLED+DALI-DT8 QOM-eLED+PS-DALI-DT6 QOM-eLED+PS-DALI-DT8 QOM-eLED+WD QZ-DW
1%	QZ-DALI-DT8	Q-SET+QZ-DALI-DT8 QZ-DALI-DT8
10%	Non-Dim Power Supply with WD App Dongle	

DIMMING PROTOCOL	INDOOR	OUTDOOR
	DW-HE Warm Dim Applications	DW-HE Warm Dim Applications
Phase	QZ-DW	Q-SET-QZ-DW QZ-DW
0-10V	QT-CAB-eLED+WD QT-CAB-eLED+WD-AWN QTM-eLED+WD QTM-eLED+WD-AWN QZ-DW	Q-SET-QZ-DW QOM-eLED+WD QZ-DW
Lutron Athena	QT-CAB-eLED+DALI-DT8-AWN QT-CAB-eLED+WD-AWN QTM-eLED+DALI-DT8-AWN QTM-eLED+WD-AWN	
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 WD App Dongle	

COMPATIBLE MOUNTING ACCESSORIES

Adjustable mounting accessory

J Mounting Bracket

U Mounting Bracket

J Mounting Bracket

Backwards L Mounting Bracket

L Mounting Bracket

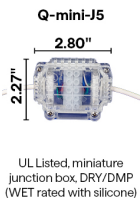
L Mounting Bracket



Q-CAP KURV™-BK FOR WARM DIM APPLICATIONS

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COMPATIBLE WIRING ACCESSORIES



COMPATIBLE CONTROL ACCESSORIES



COMPATIBLE APPS

