Q-CAP KURV™-BK RGBW
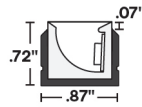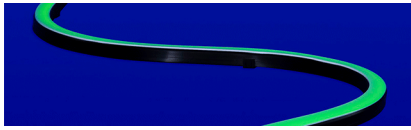## 24VDC Flexible Fixtures

.07"
.72"
.87"

- Flexible encapsulated fixture with black housing
- Side bend
- 10" bend radius
- Interior and exterior rated
- Five different mounting options
- Q-CAP flexible fixtures are not field cuttable
- IK10 impact rated

INFORMATION REQUIRED FOR LIGHTING SCHEDULE

① PRODUCT	② MOUNTING	③ RATED	④ CCT	⑤ WATTAGE	⑥ LENS
KURV-BK-RGBW					

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-RGBW-PPS-2-DRY-RGBW-30-6.0-ENC/TL-P1-BW-BW-N/A-48"-E**

① PRODUCT

KURV-BK-RGBW

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

RGBW-27	RGBW-2700K
RGBW-30	RGBW-3000K

RGBW-27	RGBW-2700K
RGBW-30	RGBW-3000K
RGBW-35	RGBW-3500K
RGBW-40	RGBW-4000K

⑤ WATTAGE

6.0	6.0W-SO

SO: Standard Output

4.0HE	4.0WHE-SO

SO: Standard 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

PASS THROUGH (Input/Output)
P1	End Feed
P2	Bottom Feed
P3	Left Side Feed
P4	Right Side 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".
RGBW: Available in 4" increments.
RGBW-HE: 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.
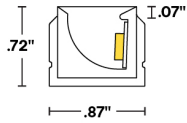
Q-CAP KURV™-BK RGBW
24VDC Flexible Fixtures

1 PRODUCT - DIMENSIONS

.07"
.72"
.87"

Profile
(Standard)

BEND RADIUS

Side Bend

10" bending radius

FLEXIBILITY

S1
S1
PPS-2
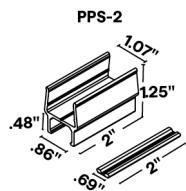Screws
(included)
CON6
10" bend radius
CON6

2 MOUNTING

PL

.47"
.56"
1.03"
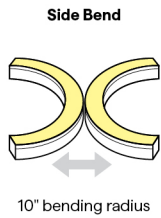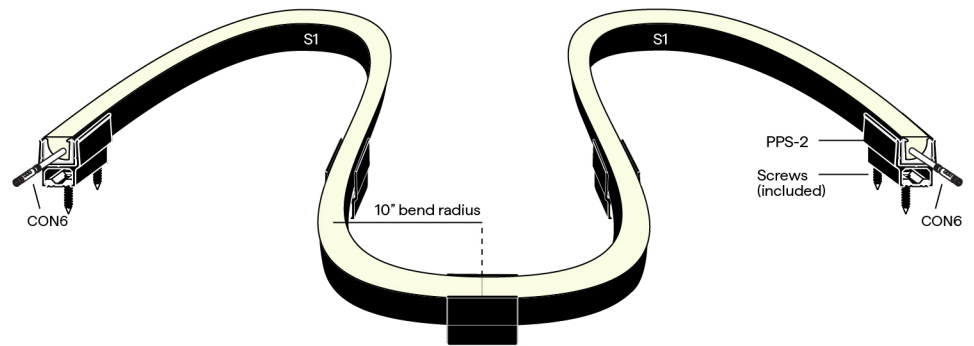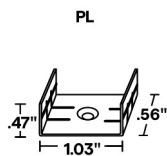
Plastic Clip

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"
1.25"
.48"
.96"
.86"
.69"
.96"
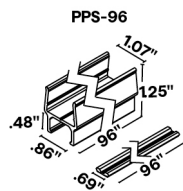
96" straight linear run

To order separately use KURV-BK-PPS-96

Each clip comes with a #8" flat screw

BN-SB

.93"
.47"
.87"
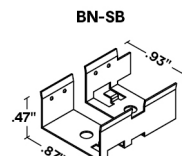
BENDIT Channel
Horizontal Stainless Steel
Flexible Channel

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-RGBW-PL-DRY

4.0HE W/FT Total Load

3.0W/FT Per Channel

CCT		ENC/CL LM	ENC/CL Wavelength	ENC/TL LM	ENC/TL Wavelength	Circuit Wattage
●	Red	33	630	32	633	1.3
●	Green	105	514	95	513	1.5
●	Blue	28	466	27	464	1.5

1.0W/FT Per Channel

CCT	ENC/CL LM	ENC/CL CRI	ENC/TL LM	ENC/TL CRI	Circuit Wattage
● 2700K	99	94	78	94	1.7
● 3000K	104	92	92	91	1.7

6.0W/FT Total Load

ENC/CL LM	Wavelength	Circuit Wattage
32	633	1.3
95	513	1.5
28	464	1.5

ENC/CL LM	CRI Ra	CRI R9	TM30 Rf	TM30 Rg	Circuit Wattage
85	92	67	87	105	1.7
93	93	69	89	102	1.7

6 DIODE VISIBILITY

	RGBW (COLOR ONLY)	RGBW (MIX)	RGBW (WHITE ONLY)
ENC/CL - Clear Encapsulation			
ENC/TL - Translucent Encapsulation			
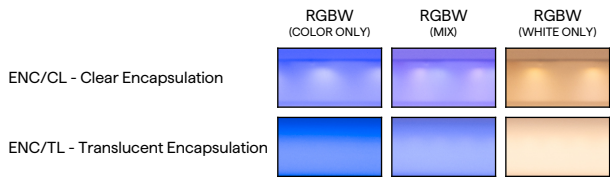
TEMPERATURE RATINGS

	6.0 W/FT		4.0 HE W/FT	
	Min	Max	Min	Max
Ambient Operating Temp - Surface	-4°F	105°F	-4°F	115°F
Storage Temp	-4°F	140°F	-4°F	176°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

Specification subject to change. Rev-01-13-26

CONFIGURATION OPTIONS

S1

.10" width of black end cap

.10" width of black end cap

Single End Feed

P1 · S1

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

Black end cap

P3

Black end cap

.72" width of black end caps

Continuous Side Feed - Left

.72" width of black end caps · S4

Black end cap

P4

Black end cap

Continuous Side Feed - Right

S1

S1

No dim spot, clear end caps
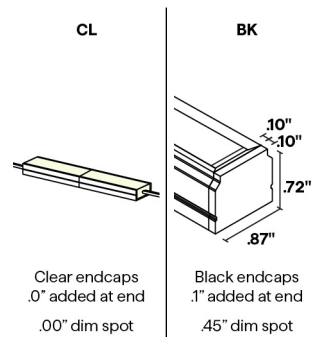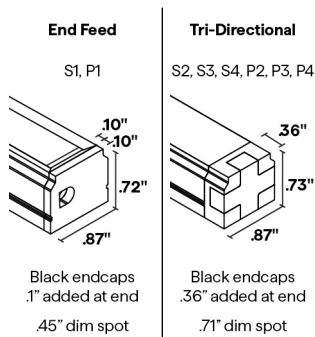
Continuous End to End Feed

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

.16"

Bare Wire 24"
22 AWG

CON6/CON24

1.65"

.57"

1.61"

.57"

6" or 24" Overall
Wire Connector | 24 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
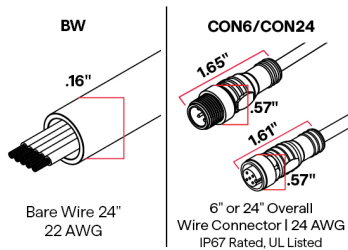
11 LENGTH - WIRING DETAIL

6.0W | Available in 4" increments 12"-188"

.25"

Blue = Blue
Red = Red
Green = Green
White = White
Black = +24V

BW 24"

4.0HEW | Available in 2" increments 12"-188"

.25"

Black = +24V
Green = Green
Red = Red
Blue = Blue
White = White

BW 24"

Specification subject to change. Rev-01-13-26
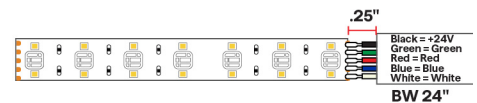
Q-CAP KURV™-BK RGBW
## 24VDC Flexible Fixtures

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.

Optimal Fixtures

DIM SPOT   DIM SPOTS   DIM SPOT
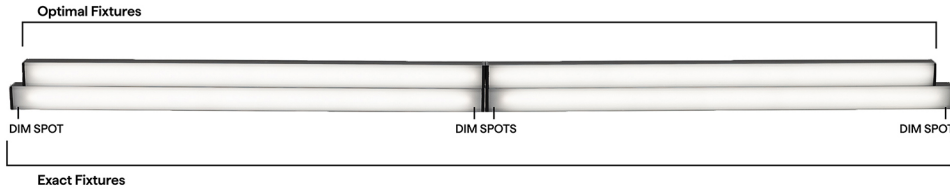
Exact Fixtures

RGBW 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"	2"
13"	.5"
14"	1"
15"	1.5"
16"	2"
17"	.5"
18"	1"
19"	1.5"
20"	2"
21"	.5"
22"	1"
23"	1.5"
24"	2"
36"	2"
48"	2"
60"	2"
72"	2"
84"	2"
96"	2"

OPTIMAL LENGTH: highlighted rows are closest to requested nominal length

| Requested Nominal Length	S1 — End Feed	S2 Bottom Feed	S3 Side Feed - Left	S4 Side Feed - Right	P1 — End Feed	P2 Bottom Feed	P3 Side Feed - Left	P4 Side Feed - Right
12"	8.78"		9.11"		9.15"		9.83"	
13"	12.78"		9.11"		9.15"		9.83"	
14"	12.78"		13.11"		13.15"		13.83"	
15"	12.78"		13.11"		13.15"		13.83"	
16"	12.78"		13.11"		13.15"		13.83"	
17"	16.78"		13.11"		13.15"		13.83"	
18"	16.78"		17.11"		17.15"		17.83"	
19"	16.78"		17.11"		17.15"		17.83"	
20"	16.78"		17.11"		17.15"		17.83"	
21"	20.78"		17.11"		17.15"		21.83"	
22"	20.78"		21.11"		21.15"		21.83"	
23"	20.78"		21.11"		21.15"		21.83"	
24"	20.78"		21.11"		21.15"		21.83"	
36"	32.78"		33.11"		33.15"		33.83"	
48"	44.78"		45.11"		45.15"		45.83"	
60"	56.78"		57.11"		57.15"		57.83"	
72"	68.78"		69.11"		69.15"		69.83"	
84"	80.78"		81.11"		81.15"		81.83"	
96"	92.78"		93.11"		93.15"		93.83"	

RGBW-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 — 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
12"	10.88"	11.18"	11.3"	10.05"
13"	12.88"	11.18"	11.3"	12.05"
14"	12.88"	13.18"	13.3"	12.05"
15"	14.88"	13.18"	13.3"	14.05"
16"	14.88"	15.18"	15.3"	14.05"
17"	16.88"	15.18"	15.3"	16.05"
18"	16.88"	17.18"	17.3"	16.05"
19"	18.88"	17.18"	17.3"	18.05"
20"	18.88"	19.18"	19.3"	18.05"
21"	20.88"	19.18"	19.3"	20.05"
22"	20.88"	21.18"	21.3"	22.05"
23"	22.88"	21.18"	23.3"	22.05"
24"	22.88"	23.18"	23.3"	22.05"
36"	34.88"	35.18"	35.3"	34.05"
48"	46.88"	47.18"	47.3"	46.05"
60"	58.88"	59.18"	59.3"	58.05"
72"	70.88"	71.18"	71.3"	70.05"
84"	82.88"	83.18"	83.3"	82.05"
96"	94.88"	95.18"	95.3"	94.05"

COMPATIBLE POWER SUPPLIES

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

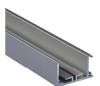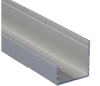| DIM TO LEVEL	INDOOR	OUTDOOR
	RGBW, RGBW-HE	RGBW, RGBW-HE
0.1%	QT-CAB-eLED+DALI-DT8 QT-CAB-eLED+DMX QTM-eLED+DALI-DT8 QTM-eLED+DMX QZ-DMX	Q-SET-QZ-DMX QOM-eLED+DALI-DT8 QOM-eLED+DMX QOM-eLED+PS-DALI-DT8 QZ-DMX
1%	QZ-DALI-DT8	Q-SET+QZ-DALI-DT8 QZ-DALI-DT8
10%	Non-Dim Power Supply with RGBW App Dongle	

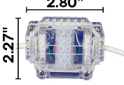| DIMMING PROTOCOL	INDOOR	OUTDOOR
	RGBW, RGBW-HE	RGBW, RGBW-HE
DMX	QTM-eLED+DMX QZ-DMX	Q-SET-QZ-DMX QOM-eLED+DMX QZ-DMX
DALI-2: DT8	QT-CAB-eLED+DALI-DT8 QTM-eLED+DALI-DT8 QZ-DALI-DT8	Q-SET+QZ-DALI-DT8 QOM-eLED+DALI-DT8 QZ-DALI-DT8
SCENE App Dimmed	Non-Dim Power Supply with RGBW App Dongle	

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

Q-NFC

Read and write DMX addresses and adjust voltage