

Flexible

# KURV-X Fixture Guide

# KKDÖ

Indoor/Outdoor | Recessed | Low output up to 500lm/m (152lm/ft)

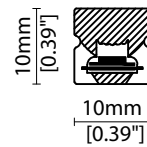


## Key applications

- ✓ Architectural detail
- ✓ Bathrooms
- ✓ Building façades
- ✓ Cabinet/Furniture
- ✓ Interior/Exterior
- ✓ Mirror back lighting
- ✓ Under cabinet
- ✓ Wet area
- ✓ Window Reveal

## Key features

- ✓ Custom lengths
- ✓ Diffusion: Homogenous
- ✓ Direct view
- ✓ Form factor: Small
- ✓ IP67
- ✓ Output low
- ✓ Thin light line
- ✓ Trimless



## MOUNTING METHODS



KKCP-19 Mounting clip

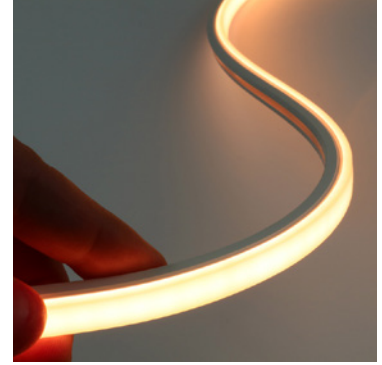
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# KURV-X

## Specification sheet



<b>Dimension</b>	H12.2/W12.6/L51.7-5010mm(H0.48/W0.50/L2.04-197.24in) (Single tail) H12.2/W12.6/L58.7-5017mm(H0.48/W0.50/L2.31-197.52in) (Double tail)
<b>PCB increment</b>	41.67mm increment/5000mm max (1.64in increment/196.9in max)
<b>LED pitch</b>	10.4mm - 96LED/m (0.41in - 29LED/ft)
<b>Chip</b>	<b>s/e/k-line</b> Samsung
<b>Beam angle</b>	130°
<b>Colours</b>	<b>k-line</b> 2300K/2700K/3000K/3200K/4000K
<b>Bin/step</b>	<b>s-line</b> 2 Step MacAdam ellipse <b>e/k-line</b> 3 Step MacAdam ellipse
<b>CRI</b>	≥ 90
<b>Lifetime</b>	50,000 hours @ 25°C (50,000 hours @ 77°F)
<b>Operating temp</b>	T <sub>a</sub> = -25 to 40°C (T <sub>c</sub> max = 65°C) T <sub>a</sub> = -13 to 104°F (T <sub>c</sub> max = 149°F)
<b>IP Rating</b>	IP67
<b>Finish</b>	White Silicone
<b>Cover/Lens</b>	Diffused
<b>Mounting</b>	Surface Mounting via concealed clip
<b>Min bend radius</b>	125mm (4.92in)
<b>Power feed</b>	Sheathed hardwire tails or male/female connectors
<b>Control</b>	0-10V/1-10V/DMX/DALI



### LED Grading Key

#### Exclusive Grade

- s-line\***  
2-step CCT range
- e-line\***  
3-step CCT range

\*KKDC tuned CCT range

#### Base Grade

- k-line**  
3-step commercial range  
Energy Star CCTs

### PERFORMANCE DATA @3000K

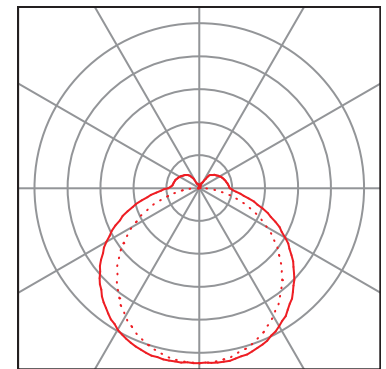
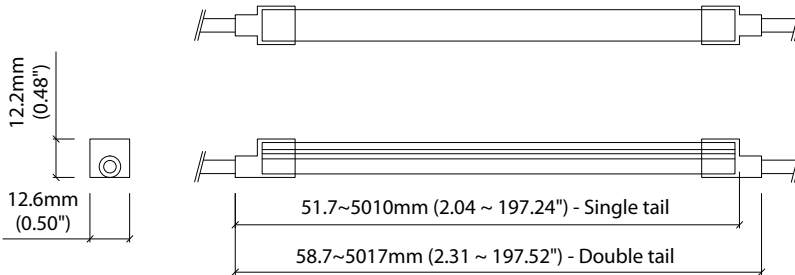
Power consumption	Supply voltage	Supply current
12W/m (3.66W/ft)	24V DC	0.5A/m (0.15A/ft)

### Colour Rendering Index (CRI)

	R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14
<b>s-line</b>	90	94	97	90	90	93	91	79	56	86	90	78	91	97
<b>k-line</b>	90	94	97	90	90	93	91	79	56	86	90	78	91	97

### Diffused

				CRI	R9	Rf	Rg
<b>s/e-line</b>	550lm/m (167lm/ft)	45.8lm/W		90	56	-	-
<b>k-line</b>	480lm/m (146lm/ft)	40lm/W		90	56	-	-



— C0 / C180      cd / 1000 lm      - - - C90 / C270

Data derived from independent UKAS / IESNA LM-79-08 accredited testing of production samples.

See KKDC website for product document updates.

[www.kkdc.lighting](http://www.kkdc.lighting)

KURVXS-02.02EN-20200131



# KURV-X

## Code Table



### FIXTURE

Model	Cover	Grade*	LED	Colour (CCT)	Length Availability**	IP	Cable Length	Power Feed***	Input							
KURV-X	X	Diffused	c	960	2300K	23	m	51.7-5010mm <sup>1</sup>	IP67	67	300mm/11.81"	0300	Single ø4.3mm sheath tail	S00A	DC 24V	g
					2700K	27		58.7-5017mm <sup>2</sup>					Double ø4.3mm sheath tail	D00A		
					3000K	30		41.67mm increments					Single ø4.3mm sheath IP67 connector	S67A		
					3200K	32		2.04-197.24in <sup>1</sup>					Double ø4.3mm sheath IP67 connector	D67A		
			4000K	40			2.31-197.52in <sup>2</sup>									

<sup>1</sup> Single tail      <sup>2</sup> Double tail

\* Refer to **LED Grading Key** on **Specification sheet** page      \*\* Refer to **Length Availability List** or enter total run length instead of length code      \*\*\* Refer to **Power Feed Options** on **Options** pages

### Code Example:

X	-	c	-	s	-	960	-	30	-	m	-	510	-	67	-	0300	-	D67A	-	g
KURV-X		Diffused				960		3000K		510.07mm		IP67		300mm/11.81"		Double ø4.3mm sheath IP67 connector		DC 24V		

### ACCESSORIES

#### Mounting Accessories

KKCP-19 Clip

\* Refer to **Mounting Options** on **Accessories** pages

#### Connection Accessories

CN67-2P-0300 IP67 2 PIN male & female 300mm/11.81" pair

CN67-2P-1000 IP67 2 PIN male & female 1000mm/39.37" pair

CN67-2P-3000 IP67 2 PIN male & female 3000mm/118.11" pair

\* Refer to **Power feed** on **Accessories** pages

#### PSU/Driver

0-10V/1-10V/Dali/DMX

\* Refer to **Driver/PSU Options** page for details or provide requirement and KKDC to offer the suitable option

### LED ENGINE VARIANTS (LED STRIP TYPE)

Luminaire	Output	LED	Lumen/m	Lumen/ft	W/m	W/ft	Spec Doc	Length	Increment
KURV-X	Mid	960	550	167	12	3.66	KURV-X	51.7-5010mm/2.04-197.24in	41.67mm/1.64in

\* Performance data: s/e-line, diffused, 3000K

Flexible

# KURV-X

## Length Availability List



Length Code		Fixture Length <sup>1</sup>		LED Strip <sup>2</sup>		End Cap Dimension <sup>3</sup>		Wattage (W)	Output (lm)	
Metric	Imperial(US)	Metric	Imperial(US)	Metric	Imperial(US)	Metric	Imperial(US)		3000K (Test Data)	Range Data
m0059	i0002	59mm	2.31in	42mm	1.64in	17mm	0.67in	0.50	20	16-21
m0100	i0004	100mm	3.95in	83mm	3.28in	17mm	0.67in	1.00	40	32-42
m0142	i0006	142mm	5.59in	125mm	4.92in	17mm	0.67in	1.50	60	48-62
m0184	i0007	184mm	7.23in	167mm	6.56in	17mm	0.67in	2.00	80	64-83
m0225	i0009	225mm	8.87in	208mm	8.20in	17mm	0.67in	2.50	100	80-104
m0267	i0011	267mm	10.51in	250mm	9.84in	17mm	0.67in	3.00	120	96-125
m0309	i0012	309mm	12.15in	292mm	11.48in	17mm	0.67in	3.50	140	112-146
m0350	i0014	350mm	13.79in	333mm	13.12in	17mm	0.67in	4.00	160	128-166
m0392	i0015	392mm	15.43in	375mm	14.76in	17mm	0.67in	4.50	180	144-187
m0434	i0017	434mm	17.07in	417mm	16.41in	17mm	0.67in	5.00	200	160-208
m0475	i0019	475mm	18.72in	458mm	18.05in	17mm	0.67in	5.50	220	176-229
m0517	i0020	517mm	20.36in	500mm	19.69in	17mm	0.67in	6.00	240	192-250
m0559	i0022	559mm	22.00in	542mm	21.33in	17mm	0.67in	6.50	260	208-270
m0600	i0024	600mm	23.64in	583mm	22.97in	17mm	0.67in	7.00	280	224-291
m0642	i0025	642mm	25.28in	625mm	24.61in	17mm	0.67in	7.50	300	240-312
m0684	i0027	684mm	26.92in	667mm	26.25in	17mm	0.67in	8.00	320	256-333
m0725	i0029	725mm	28.56in	708mm	27.89in	17mm	0.67in	8.50	340	272-354
m0767	i0030	767mm	30.20in	750mm	29.53in	17mm	0.67in	9.00	360	288-374
m0809	i0032	809mm	31.84in	792mm	31.17in	17mm	0.67in	9.50	380	304-395
m0850	i0033	850mm	33.48in	833mm	32.81in	17mm	0.67in	10.00	400	320-416
m0892	i0035	892mm	35.12in	875mm	34.45in	17mm	0.67in	10.50	420	336-437
m0934	i0037	934mm	36.76in	917mm	36.09in	17mm	0.67in	11.00	440	352-458
m0975	i0038	975mm	38.40in	958mm	37.73in	17mm	0.67in	11.50	460	368-478
m1017	i0040	1017mm	40.04in	1000mm	39.37in	17mm	0.67in	12.00	480	384-499
m1059	i0042	1059mm	41.68in	1042mm	41.01in	17mm	0.67in	12.50	500	400-520
m1100	i0043	1100mm	43.32in	1083mm	42.65in	17mm	0.67in	13.00	520	416-541
m1142	i0045	1142mm	44.96in	1125mm	44.29in	17mm	0.67in	13.50	540	432-562
m1184	i0047	1184mm	46.60in	1167mm	45.94in	17mm	0.67in	14.00	560	448-582
m1225	i0048	1225mm	48.25in	1208mm	47.58in	17mm	0.67in	14.50	580	464-603
m1267	i0050	1267mm	49.89in	1250mm	49.22in	17mm	0.67in	15.00	600	480-624
m1309	i0052	1309mm	51.53in	1292mm	50.86in	17mm	0.67in	15.50	620	496-645
m1350	i0053	1350mm	53.17in	1333mm	52.50in	17mm	0.67in	16.00	640	512-666
m1392	i0055	1392mm	54.81in	1375mm	54.14in	17mm	0.67in	16.50	660	528-686
m1434	i0056	1434mm	56.45in	1417mm	55.78in	17mm	0.67in	17.00	680	544-707
m1475	i0058	1475mm	58.09in	1458mm	57.42in	17mm	0.67in	17.50	700	560-728
m1517	i0060	1517mm	59.73in	1500mm	59.06in	17mm	0.67in	18.00	720	576-749
m1559	i0061	1559mm	61.37in	1542mm	60.70in	17mm	0.67in	18.50	740	592-770
m1600	i0063	1600mm	63.01in	1583mm	62.34in	17mm	0.67in	19.00	760	608-790
m1642	i0065	1642mm	64.65in	1625mm	63.98in	17mm	0.67in	19.50	780	624-811
m1684	i0066	1684mm	66.29in	1667mm	65.62in	17mm	0.67in	20.00	800	640-832
m1725	i0068	1725mm	67.93in	1708mm	67.26in	17mm	0.67in	20.50	820	656-853
m1767	i0070	1767mm	69.57in	1750mm	68.90in	17mm	0.67in	21.00	840	672-874
m1809	i0071	1809mm	71.21in	1792mm	70.54in	17mm	0.67in	21.50	860	688-894
m1850	i0073	1850mm	72.85in	1833mm	72.18in	17mm	0.67in	22.00	880	704-915

Flexible

# KURV-X

## Length Availability List



Length Code		Fixture Length <sup>1</sup>		LED Strip <sup>2</sup>		End Cap Dimension <sup>3</sup>		Wattage (W)	Output (lm)	
Metric	Imperial(US)	Metric	Imperial(US)	Metric	Imperial(US)	Metric	Imperial(US)		3000K (Test Data)	Range Data
m1892	i0074	1892mm	74.49in	1875mm	73.82in	17mm	0.67in	22.50	900	720-936
m1934	i0076	1934mm	76.13in	1917mm	75.47in	17mm	0.67in	23.00	920	736-957
m1975	i0078	1975mm	77.78in	1958mm	77.11in	17mm	0.67in	23.50	940	752-978
m2017	i0079	2017mm	79.42in	2000mm	78.75in	17mm	0.67in	24.00	960	768-998
m2059	i0081	2059mm	81.06in	2042mm	80.39in	17mm	0.67in	24.50	980	784-1019
m2101	i0083	2101mm	82.70in	2084mm	82.03in	17mm	0.67in	25.00	1000	800-1040
m2142	i0084	2142mm	84.34in	2125mm	83.67in	17mm	0.67in	25.50	1020	816-1061
m2184	i0086	2184mm	85.98in	2167mm	85.31in	17mm	0.67in	26.00	1040	832-1082
m2226	i0088	2226mm	87.62in	2209mm	86.95in	17mm	0.67in	26.50	1060	848-1102
m2267	i0089	2267mm	89.26in	2250mm	88.59in	17mm	0.67in	27.00	1080	864-1123
m2309	i0091	2309mm	90.90in	2292mm	90.23in	17mm	0.67in	27.50	1100	880-1144
m2351	i0093	2351mm	92.54in	2334mm	91.87in	17mm	0.67in	28.00	1120	896-1165
m2392	i0094	2392mm	94.18in	2375mm	93.51in	17mm	0.67in	28.50	1140	912-1186
m2434	i0096	2434mm	95.82in	2417mm	95.15in	17mm	0.67in	29.00	1160	928-1206
m2476	i0097	2476mm	97.46in	2459mm	96.79in	17mm	0.67in	29.50	1180	944-1227
m2517	i0099	2517mm	99.10in	2500mm	98.43in	17mm	0.67in	30.00	1200	960-1248
m2559	i0101	2559mm	100.74in	2542mm	100.07in	17mm	0.67in	30.50	1220	976-1269
m2601	i0102	2601mm	102.38in	2584mm	101.71in	17mm	0.67in	31.00	1240	992-1290
m2642	i0104	2642mm	104.02in	2625mm	103.35in	17mm	0.67in	31.50	1260	1008-1310
m2684	i0106	2684mm	105.66in	2667mm	105.00in	17mm	0.67in	32.00	1280	1024-1331
m2726	i0107	2726mm	107.31in	2709mm	106.64in	17mm	0.67in	32.50	1300	1040-1352
m2767	i0109	2767mm	108.95in	2750mm	108.28in	17mm	0.67in	33.00	1320	1056-1373
m2809	i0111	2809mm	110.59in	2792mm	109.92in	17mm	0.67in	33.50	1340	1072-1394
m2851	i0112	2851mm	112.23in	2834mm	111.56in	17mm	0.67in	34.00	1360	1088-1414
m2892	i0114	2892mm	113.87in	2875mm	113.20in	17mm	0.67in	34.50	1380	1104-1435
m2934	i0116	2934mm	115.51in	2917mm	114.84in	17mm	0.67in	35.00	1400	1120-1456
m2976	i0117	2976mm	117.15in	2959mm	116.48in	17mm	0.67in	35.50	1420	1136-1477
m3017	i0119	3017mm	118.79in	3000mm	118.12in	17mm	0.67in	36.00	1440	1152-1498
m3059	i0120	3059mm	120.43in	3042mm	119.76in	17mm	0.67in	36.50	1460	1168-1518
m3101	i0122	3101mm	122.07in	3084mm	121.40in	17mm	0.67in	37.00	1480	1184-1539
m3142	i0124	3142mm	123.71in	3125mm	123.04in	17mm	0.67in	37.50	1500	1200-1560
m3184	i0125	3184mm	125.35in	3167mm	124.68in	17mm	0.67in	38.00	1520	1216-1581
m3226	i0127	3226mm	126.99in	3209mm	126.32in	17mm	0.67in	38.50	1540	1232-1602
m3267	i0129	3267mm	128.63in	3250mm	127.96in	17mm	0.67in	39.00	1560	1248-1622
m3309	i0130	3309mm	130.27in	3292mm	129.60in	17mm	0.67in	39.50	1580	1264-1643
m3351	i0132	3351mm	131.91in	3334mm	131.24in	17mm	0.67in	40.00	1600	1280-1664
m3392	i0134	3392mm	133.55in	3375mm	132.88in	17mm	0.67in	40.50	1620	1296-1685
m3434	i0135	3434mm	135.19in	3417mm	134.53in	17mm	0.67in	41.00	1640	1312-1706
m3476	i0137	3476mm	136.84in	3459mm	136.17in	17mm	0.67in	41.50	1660	1328-1726
m3517	i0138	3517mm	138.48in	3500mm	137.81in	17mm	0.67in	42.00	1680	1344-1747
m3559	i0140	3559mm	140.12in	3542mm	139.45in	17mm	0.67in	42.50	1700	1360-1768
m3601	i0142	3601mm	141.76in	3584mm	141.09in	17mm	0.67in	43.00	1720	1376-1789
m3642	i0143	3642mm	143.40in	3625mm	142.73in	17mm	0.67in	43.50	1740	1392-1810
m3684	i0145	3684mm	145.04in	3667mm	144.37in	17mm	0.67in	44.00	1760	1408-1830

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# KURV-X

## Length Availability List

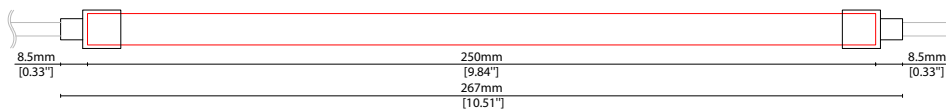
# KKDC

Length Code		Fixture Length <sup>1</sup>		LED Strip <sup>2</sup>		End Cap Dimension <sup>3</sup>		Wattage (W)	Output (lm)	
Metric	Imperial(US)	Metric	Imperial(US)	Metric	Imperial(US)	Metric	Imperial(US)		3000K (Test Data)	Range Data
m3726	i0147	3726mm	146.68in	3709mm	146.01in	17mm	0.67in	44.50	1780	1424-1851
m3767	i0148	3767mm	148.32in	3750mm	147.65in	17mm	0.67in	45.00	1800	1440-1872
m3809	i0150	3809mm	149.96in	3792mm	149.29in	17mm	0.67in	45.50	1820	1456-1893
m3851	i0152	3851mm	151.60in	3834mm	150.93in	17mm	0.67in	46.00	1840	1472-1914
m3892	i0153	3892mm	153.24in	3875mm	152.57in	17mm	0.67in	46.50	1860	1488-1934
m3934	i0155	3934mm	154.88in	3917mm	154.21in	17mm	0.67in	47.00	1880	1504-1955
m3976	i0157	3976mm	156.52in	3959mm	155.85in	17mm	0.67in	47.50	1900	1520-1976
m4017	i0158	4017mm	158.16in	4000mm	157.49in	17mm	0.67in	48.00	1920	1536-1997
m4059	i0160	4059mm	159.80in	4042mm	159.13in	17mm	0.67in	48.50	1940	1552-2018
m4101	i0161	4101mm	161.44in	4084mm	160.77in	17mm	0.67in	49.00	1960	1568-2038
m4142	i0163	4142mm	163.08in	4125mm	162.41in	17mm	0.67in	49.50	1980	1584-2059
m4184	i0165	4184mm	164.72in	4167mm	164.06in	17mm	0.67in	50.00	2000	1600-2080
m4226	i0166	4226mm	166.36in	4209mm	165.70in	17mm	0.67in	50.50	2020	1616-2101
m4267	i0168	4267mm	168.01in	4250mm	167.34in	17mm	0.67in	51.00	2040	1632-2122
m4309	i0170	4309mm	169.65in	4292mm	168.98in	17mm	0.67in	51.50	2060	1648-2142
m4351	i0171	4351mm	171.29in	4334mm	170.62in	17mm	0.67in	52.00	2080	1664-2163
m4392	i0173	4392mm	172.93in	4375mm	172.26in	17mm	0.67in	52.50	2100	1680-2184
m4434	i0175	4434mm	174.57in	4417mm	173.90in	17mm	0.67in	53.00	2120	1696-2205
m4476	i0176	4476mm	176.21in	4459mm	175.54in	17mm	0.67in	53.50	2140	1712-2226
m4517	i0178	4517mm	177.85in	4500mm	177.18in	17mm	0.67in	54.00	2160	1728-2246
m4559	i0179	4559mm	179.49in	4542mm	178.82in	17mm	0.67in	54.50	2180	1744-2267
m4601	i0181	4601mm	181.13in	4584mm	180.46in	17mm	0.67in	55.00	2200	1760-2288
m4642	i0183	4642mm	182.77in	4625mm	182.10in	17mm	0.67in	55.50	2220	1776-2309
m4684	i0184	4684mm	184.41in	4667mm	183.74in	17mm	0.67in	56.00	2240	1792-2330
m4726	i0186	4726mm	186.05in	4709mm	185.38in	17mm	0.67in	56.50	2260	1808-2350
m4767	i0188	4767mm	187.69in	4750mm	187.02in	17mm	0.67in	57.00	2280	1824-2371
m4809	i0189	4809mm	189.33in	4792mm	188.66in	17mm	0.67in	57.50	2300	1840-2392
m4851	i0191	4851mm	190.97in	4834mm	190.30in	17mm	0.67in	58.00	2320	1856-2413
m4892	i0193	4892mm	192.61in	4875mm	191.94in	17mm	0.67in	58.50	2340	1872-2434
m4934	i0194	4934mm	194.25in	4917mm	193.59in	17mm	0.67in	59.00	2360	1888-2454
m4976	i0196	4976mm	195.89in	4959mm	195.23in	17mm	0.67in	59.50	2380	1904-2475
m5017	i0198	5017mm	197.54in	5000mm	196.87in	17mm	0.67in	60.00	2400	1920-2496

<sup>1</sup> Actual total overall length of light fixture (LED strip + end caps + void/wire hole)

<sup>2</sup> Actual length of PCB strip

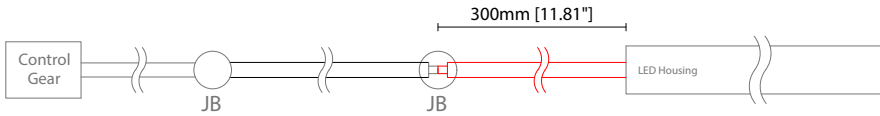
<sup>3</sup> Actual length of 2x end caps



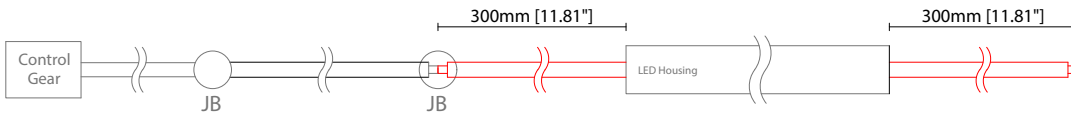
### POWER FEED OPTIONS

\* Options are an integral part of the fixture ordering codes. Please refer to **Code Table** pages.

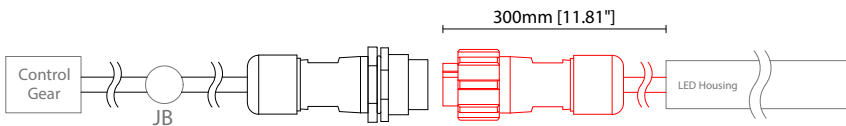
#### 0300 S00A 300mm (11.81") Single $\varnothing$ 4.3mm sheath tail



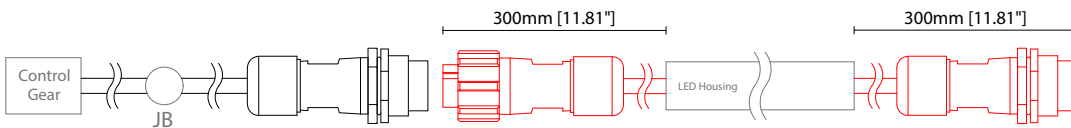
#### 0300 D00A 300mm (11.81") Double $\varnothing$ 4.3mm sheath tail



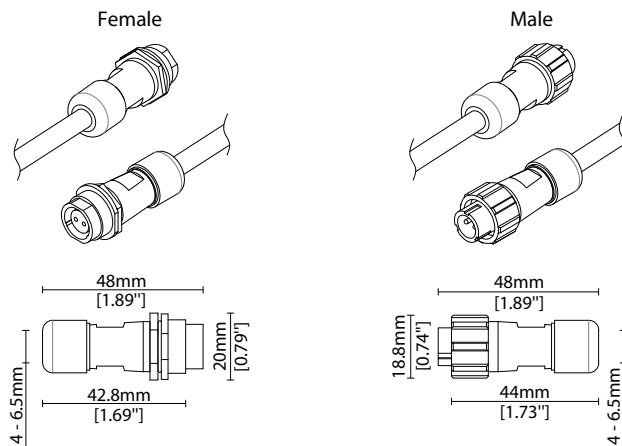
#### 0300 S67A 300mm (11.81") Single $\varnothing$ 4.3mm sheath IP67 male connector



#### 0300 D67A 300mm (11.81") Double $\varnothing$ 4.3mm sheath IP67 connector



### IP67 2 Pin Connector



### Key

Control Gear Power supply, sub-controllers & control systems

JB Junction box / cable connection



# KURV-X Accessories



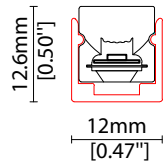
## MOUNTING OPTIONS

Note: Accessories are to be ordered separately with corresponding code shown below.



**KKCP-19**

Mounting clip  
(allow of 3 per metre/40")  
*Note: number of clips may depend on design*  
Anodised aluminium finish



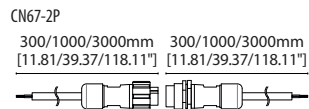
**KXEC-01**

KURV-X end caps

## POWER FEED



**IP67**



- CN67-2P-0300** 300mm (11.81in) pair
- CN67-2P-1000** 1000mm (39.37in) pair
- CN67-2P-3000** 3000mm (118.11in) pair

IP67  
2 PIN male + female connector set

## EXTERIOR JUNCTION BOXES



**KKJB-07**

IP67 Slim J-Box  
(including type A,B,C,D bushings)



**KKJB-07R**

Potting resin for IP67 Slim J-Box



Flexible

# KURV-X Accessories

# KKDÖ

## KKDC CONTROL



IP20  
Black plastic housing  
L164/W64/H34mm  
(L6.46/W2.52/H1.34in)

**KKDM-05** 1-10V  
visDIM dimmable sub-controller



IP20  
Black plastic housing  
L164/W64/H34mm  
(L6.46/W2.52/H1.34in)

**KKSC-03A** DMX (screw terminal)  
visDIM dimmable sub-controller



IP20  
Black plastic housing  
L164/W64/H34mm  
(L6.46/W2.52/H1.34in)

**KKSC-03B** DMX (RJ45)  
visDIM dimmable sub-controller



IP20  
Plastic housing  
L170/W59/H29mm  
(L6.69/W2.32/H1.14in)

**KKDL-02** DALI  
visDIM dimmable sub-controller  
(4 x 8A max @ 12-36V)



IP20  
Plastic housing  
L166/W53.4/H23mm  
(L6.54/W2.10/H0.91in)

**KKDL-03** DALI  
visDIM dimmable sub-controller  
(4 x 5A max @ 12-36V)

### AVAILABLE PSU OPTIONS

Control Mode	PSU (Order Code)	Input Voltage AC	Output Voltage DC	Rated Output Current	Rated Power	Dim %	IP Rating
Switched	CEN-60-24	90-295V	24V	2.5A	60W	-	IP67
	HLG-60H-24	90-305V	24V	2.5A	60W	-	IP67
	HLG-100H-24	90-305V	24V	4.0A	100W	-	IP67
	HLG-150H-24	90-305V	24V	6.3A	150W	-	IP67
	HLG-240H-24	90-305V	24V	10A	240W	-	IP67
0-10V (1-10V)	PWM-40-24	90-305V	24V	1.67A	40W	100-0.15 (100-10)	IP67
	PWM-60-24	90-305V	24V	2.5A	60W	100-0.15 (100-10)	IP67
	PWM-90-24	90-305V	24V	3.67A	90W	100-0.15 (100-10)	IP67
	PWM-120-24	90-305V	24V	5.0A	120W	100-0.15 (100-10)	IP67
DALI	LIN100A1	120-277V	24V	1A per channel	100W	100-0.1	IP66/IP40
DMX RGB	LIN100A1	120-277V	24V	1.33A per channel	100W	100-0.1	IP66/IP40
DMX RGBW	LIN100A1	120-277A	24V	1A per channel	100W	100-0.1	IP66/IP40

### Flicker Free Options - Combination of PSU+ sub-controller

Control Mode	PSU (Order Code)	Sub-controller (Order Code)	Input Voltage AC	Output Voltage DC	Rated Output Current	Rated Power	Dim %	IP Rating PSU/ Sub-controller
0-10V or 1-10V	CEN-60-24	KKDM-05	90-295V	24V	2.5A	60W	100-0.9	IP67/IP20
	HLG-60H-24	KKDM-05	90-295V	24V	2.5A	60W	100-0.9	IP67/IP20
	HLG-100H-24	KKDM-05	90-295V	24V	4.0A	100W	100-0.9	IP67/IP20
	HLG-150H-24	KKDM-05	90-295V	24V	6.3A	150W	100-0.9	IP67/IP20
	HLG-240H-24	KKDM-05	90-295V	24V	10.0A	240W	100-0.9	IP67/IP20
DALI	CEN-60-24	KKDL-02/03	90-295V	24V	2.5A	60W	100-0.1	IP67/IP20
	HLG-60H-24	KKDL-02/03	90-305V	24V	2.5A	60W	100-0.1	IP67/IP20
	HLG-100H-24	KKDL-02/03	90-305V	24V	4.0A	100W	100-0.1	IP67/IP20
	HLG-150H-24	KKDL-02/03	90-305V	24V	6.3A	150W	100-0.1	IP67/IP20
	HLG-240H-24	KKDL-02/03	90-305V	24V	10.0A	240W	100-0.1	IP67/IP20
DMX RGB	CEN-60-24	KKSC-03	90-295V	24V	2.5A	60W	100-0.9	IP67/IP20
	HLG-60H-24	KKSC-03	90-305V	24V	2.5A	60W	100-0.9	IP67/IP20
	HLG-100H-24	KKSC-03	90-305V	24V	4A	100W	100-0.9	IP67/IP20
	HLG-150H-24	KKSC-03	90-305V	24V	6.3A	150W	100-0.9	IP67/IP20
	HLG-240H-24	KKSC-03	90-305V	24V	10.0A	240W	100-0.9	IP67/IP20

<sup>1</sup> The items shown above cover the most frequently used specification but does not exhaust the possible options

<sup>2</sup> PSU and/or driver can be chosen from the table, or KKDC may recommend the best option upon receipt of the controls requirement and installation environment

<sup>3</sup> Electrical shop drawing will include detailed information of PSU and relevant control drivers

<sup>4</sup> Cut sheets are available on the controls section of [www.kkdc.lighting](http://www.kkdc.lighting) or upon request