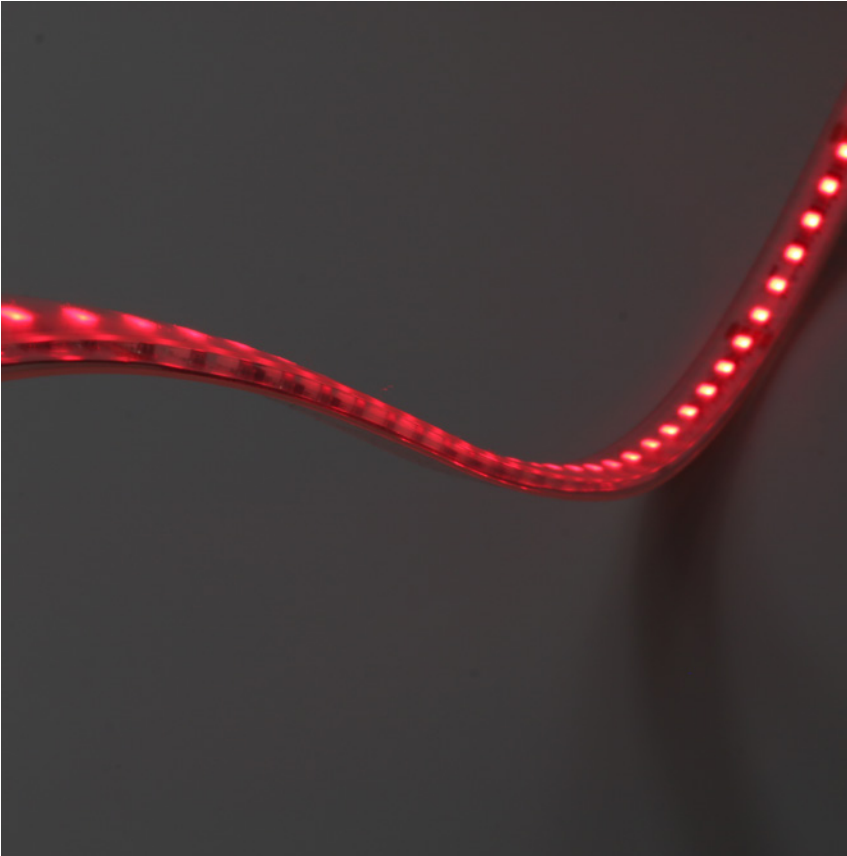


Flexible

FX CHROMAX RGB Fixture Guide



Indoor/Outdoor | Surface | RGB output up to 687lm/m (396.3lm/ft)



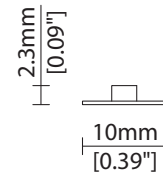
Key applications

- ✓ Architectural detail
- ✓ Backlighting & signage
- ✓ Bathrooms
- ✓ Cabinet & furniture
- ✓ Cove lighting
- ✓ Display case
- ✓ Hand rail
- ✓ Indirect lighting
- ✓ Interior
- ✓ Mirror back lighting
- ✓ Shelving display
- ✓ Special effect
- ✓ Wet area

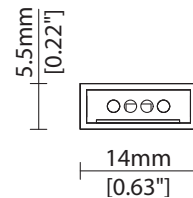
Key features

- ✓ CHROMAX RGB
- ✓ Constant Voltage (CV)
- ✓ Custom lengths
- ✓ Cutable (IP20)
- ✓ Diffusion: spoting
- ✓ IP20 dry area
- ✓ IP65 water resistant

FX CHROMAX RGB IP20



FX CHROMAX RGB IP20



MOUNTING METHODS



KKCP-07 Side clip (IP20)



KKCP-08 Side clip (IP65)



KKBK-18 RGB Silicone bracket (IP65)

Flexible

FX CHROMAX RGB

Specification sheet

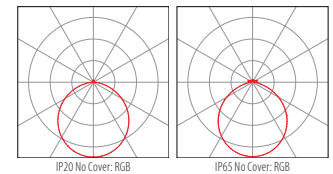
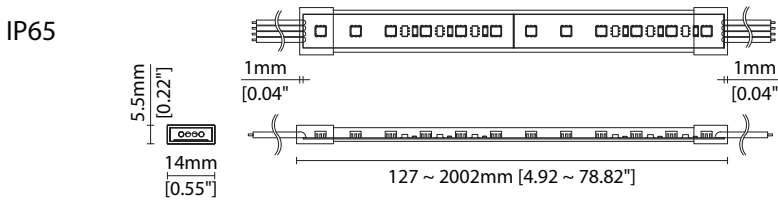
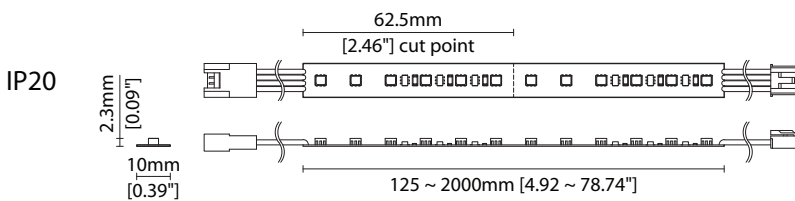


Dimensions	IP20: H1.4/W10/L125-2000mm (H0.06/W0.39/L4.92-78.74in) IP65: H5.5/W14/L127-2002mm (H0.22/W0.55/L5.00-78.82in)
PCB Cut-point	Power connection and cut point every 62.5mm (2.46in)
LED Pitch	10.42mm - 96 LED/m (0.41in - 29LED/ft)
Chip	CHROMAX RGB
Cover/Optics	No cover (110°)
CCT	Red 630-635nm/Blue 450-455nm/Green 520-525nm
LED binning	5nm tolerance
CRI	N/A
Lifetime	50,000 hours @ 25°C (50,000 hours @ 77°F)
Operating temp	IP20: T _a = -25 to 40°C (T _c max = 60°C) T _a = -13 to 104°F (T _c max = 140°F) IP65: T _a = -25 to 40°C (T _c max = 60°C) T _a = -13 to 104°F (T _c max = 140°F)
IP Rating	IP20/65
Finish	Silicone Cover for IP65
Mounting	3M double sided tape (IP20), Surface mounting clips (IP65)
Power feed	Hardwire tails or male/female connectors (IP20/IP65)
Control	DMX/DALI



Power consumption	Supply voltage	Supply current
18W/m (5.79W/ft)	24V DC	0.75A/m (0.23A/ft)

RED (IP20)	GREEN (IP20)	BLUE (IP20)	RGB (IP20)	RED (IP65)	GREEN (IP65)	BLUE (IP65)	RGB (IP65)
140lm/m (42.7lm/ft)	544lm/m (165.9lm/ft)	45lm/m (13.7lm/ft)	687lm/m (396.3lm/ft)	130lm/m (39.6lm/ft)	507lm/m (154.6lm/ft)	44lm/m (13.4lm/ft)	607lm/m (185.1lm/ft)
21.5lm/W	94.4lm/W	6.9lm/W	37.8lm/W	20.3lm/W	89.1lm/W	6.7lm/W	34.7lm/W



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


Flexible

FX CHROMAX RGB

Code Table

KKDC

FIXTURE

Model	Grade	LED	Colour (CCT)	Length Availability ¹	IP	Cable Length	Power Feed ²	Input																				
FX CHROMAX RGB	FX  s	FX CHROMAX RGB	C917	FX CHROMAX RGB	RGB	IP20	m	125-2000mm 62.5mm increments	IP20 20	50mm (1.97in)	0050	IP20 Single no sheath connector ³	S20X	DC 24V	g													
																IP65	m	127-2002mm 62.5mm increments	IP65 65	300mm (11.81in)	0300	IP20 Double no sheath connector ³	D20X					
																								IP20	i	4.92-78.74in 2.46in increments	IP65 Single no sheath tail	S00X

¹ Refer to **Length Availability List** or enter total run length instead of length code

² Refer to **Power Feed Options** on **Options** pages

³ Not available for IP65

Code Example:

FX	-	s	-	C917	-	RGB	-	m	-	500	-	20	-	0050	-	D20X	-	g
FX CHROMAX RGB				FX CHROMAX RGB		RGB		500mm		IP20		50mm (1.97in)		IP20 Double no sheath connector		DC 24V		

ACCESSORIES

Mounting Accessories

KKCP-07	Side clip (IP20)
KKCP-08	Side clip (IP65)
KKBK-18	RGB Silicone bracket (IP65)

* Refer to **Mounting accessories** on **Accessories** pages

Connection Accessories

KKCN-07	4 PIN RGB male & female 50mm (1.97in) pair
KKCN-09	4 PIN RGB male & female 300mm (11.81in) pair
KKCN-11	4 PIN RGB 300mm (11.81in) extension lead

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

PSU/Driver

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	LED	Lumen/m	Lumen/ft	W/m	W/ft	Spec Doc	Length	Increment
FX 07	R907	671	204	7	2.13	FX07	IP20: 125-7000mm (4.92-275.59in) IP65: 127-7002mm (5.00-275.67in)	62.5mm (2.46in)
FX 14	R914	1285	392	14	4.27	FX14	IP20: 125-4000mm (4.92-157.48in) IP65: 127-4002mm (5.00-157.56in)	62.5mm (2.46in)
FX 18	R918	1806	551	18	5.49	FX18	IP20: 125-4000mm (4.92-157.48in) IP65: 127-4002mm (5.00-157.56in)	62.5mm (2.46in)
FX RGB	907	Red: 140 Green: 378 Blue: 74 RGB: 546	Red: 43 Green: 115 Blue: 23 RGB: 166	15.6	4.75	FX RGB	IP20: 167-2000mm (6.57-78.74in) IP65: 169-2002mm (5.00-78.82in)	83.3mm (3.27in)
FX CHROMAX RGB	C917	687	396.3	18	5.79	FX CHROMAX RGB	IP20: 125-2000mm (4.92-78.74in) IP65: 127-2002mm (5.00-78.82in)	62.5mm (2.46in)

* Performance data: RGB, no cover

Flexible

FX CHROMAX RGB (IP20)

Length Availability List

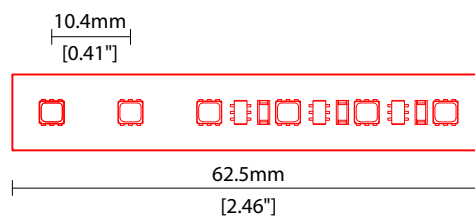
KKDC

Length Code		Fixture Length ¹		LED Strip ²		End Cap Dimension		Wattage (W)	Output (lm)			
Metric	Imperial(US)	Metric	Imperial(US)	Metric	Imperial(US)	Metric	Imperial(US)		R	G	B	W
m0125	i0005	125mm	4.92in	125mm	4.92in	N/A	N/A	2.25	18	68	6	86
m0188	i0007	188mm	7.38in	188mm	7.38in	N/A	N/A	3.38	26	102	8	129
m0250	i0010	250mm	9.84in	250mm	9.84in	N/A	N/A	4.50	35	136	11	172
m0313	i0012	313mm	12.30in	313mm	12.30in	N/A	N/A	5.63	44	170	14	215
m0375	i0015	375mm	14.76in	375mm	14.76in	N/A	N/A	6.75	53	204	17	258
m0438	i0017	438mm	17.22in	438mm	17.22in	N/A	N/A	7.88	61	238	20	301
m0500	i0020	500mm	19.69in	500mm	19.69in	N/A	N/A	9.00	70	272	23	344
m0563	i0022	563mm	22.15in	563mm	22.15in	N/A	N/A	10.13	79	306	25	386
m0625	i0025	625mm	24.61in	625mm	24.61in	N/A	N/A	11.25	88	340	28	429
m0688	i0027	688mm	27.07in	688mm	27.07in	N/A	N/A	12.38	96	374	31	472
m0750	i0030	750mm	29.53in	750mm	29.53in	N/A	N/A	13.50	105	408	34	515
m0813	i0032	813mm	31.99in	813mm	31.99in	N/A	N/A	14.63	114	442	37	558
m0875	i0034	875mm	34.45in	875mm	34.45in	N/A	N/A	15.75	123	476	39	601
m0938	i0037	938mm	36.91in	938mm	36.91in	N/A	N/A	16.88	131	510	42	644
m1000	i0039	1000mm	39.37in	1000mm	39.37in	N/A	N/A	18.00	140	544	45	687
m1063	i0042	1063mm	41.83in	1063mm	41.83in	N/A	N/A	19.13	149	578	48	730
m1125	i0044	1125mm	44.29in	1125mm	44.29in	N/A	N/A	20.25	158	612	51	773
m1188	i0047	1188mm	46.75in	1188mm	46.75in	N/A	N/A	21.38	166	646	53	816
m1250	i0049	1250mm	49.21in	1250mm	49.21in	N/A	N/A	22.50	175	680	56	859
m1313	i0052	1313mm	51.67in	1313mm	51.67in	N/A	N/A	23.63	184	714	59	902
m1375	i0054	1375mm	54.13in	1375mm	54.13in	N/A	N/A	24.75	193	748	62	945
m1438	i0057	1438mm	56.59in	1438mm	56.59in	N/A	N/A	25.88	201	782	65	988
m1500	i0059	1500mm	59.06in	1500mm	59.06in	N/A	N/A	27.00	210	816	68	1031
m1563	i0062	1563mm	61.52in	1563mm	61.52in	N/A	N/A	28.13	219	850	70	1073
m1625	i0064	1625mm	63.98in	1625mm	63.98in	N/A	N/A	29.25	228	884	73	1116
m1688	i0066	1688mm	66.44in	1688mm	66.44in	N/A	N/A	30.38	236	918	76	1159
m1750	i0069	1750mm	68.90in	1750mm	68.90in	N/A	N/A	31.50	245	952	79	1202
m1813	i0071	1813mm	71.36in	1813mm	71.36in	N/A	N/A	32.63	254	986	82	1245
m1875	i0074	1875mm	73.82in	1875mm	73.82in	N/A	N/A	33.75	263	1020	84	1288
m1938	i0076	1938mm	76.28in	1938mm	76.28in	N/A	N/A	34.88	271	1054	87	1331
m2000	i0079	2000mm	78.74in	2000mm	78.74in	N/A	N/A	36.00	280	1088	90	1374

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

² Actual length of PCB strip

IP20



Flexible

FX CHROMAX RGB (IP65)

Length Availability List

KKDC

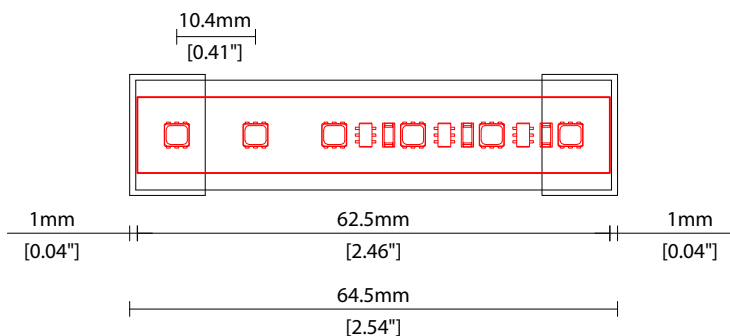
Length Code		Fixture Length ¹		LED Strip ²		End Cap Dimension ³		Wattage (W)	Output (lm)			
Metric	Imperial(US)	Metric	Imperial(US)	Metric	Imperial(US)	Metric	Imperial(US)		R	G	B	W
m0127	i0005	127mm	5.00in	125mm	4.92in	2mm	0.08in	2.25	16	63	6	76
m0190	i0007	190mm	7.46in	188mm	7.38in	2mm	0.08in	3.38	24	95	8	114
m0252	i0010	252mm	9.92in	250mm	9.84in	2mm	0.08in	4.50	33	127	11	152
m0315	i0012	315mm	12.38in	313mm	12.30in	2mm	0.08in	5.63	41	158	14	190
m0377	i0015	377mm	14.84in	375mm	14.76in	2mm	0.08in	6.75	49	190	17	228
m0440	i0017	440mm	17.30in	438mm	17.22in	2mm	0.08in	7.88	57	222	19	266
m0502	i0020	502mm	19.76in	500mm	19.69in	2mm	0.08in	9.00	65	254	22	304
m0565	i0022	565mm	22.22in	563mm	22.15in	2mm	0.08in	10.13	73	285	25	341
m0627	i0025	627mm	24.69in	625mm	24.61in	2mm	0.08in	11.25	81	317	28	379
m0690	i0027	690mm	27.15in	688mm	27.07in	2mm	0.08in	12.38	89	349	30	417
m0752	i0030	752mm	29.61in	750mm	29.53in	2mm	0.08in	13.50	98	380	33	455
m0815	i0032	815mm	32.07in	813mm	31.99in	2mm	0.08in	14.63	106	412	36	493
m0877	i0035	877mm	34.53in	875mm	34.45in	2mm	0.08in	15.75	114	444	39	531
m0940	i0037	940mm	36.99in	938mm	36.91in	2mm	0.08in	16.88	122	475	41	569
m1002	i0039	1002mm	39.45in	1000mm	39.37in	2mm	0.08in	18.00	130	507	44	607
m1065	i0042	1065mm	41.91in	1063mm	41.83in	2mm	0.08in	19.13	138	539	47	645
m1127	i0044	1127mm	44.37in	1125mm	44.29in	2mm	0.08in	20.25	146	570	50	683
m1190	i0047	1190mm	46.83in	1188mm	46.75in	2mm	0.08in	21.38	154	602	52	721
m1252	i0049	1252mm	49.29in	1250mm	49.21in	2mm	0.08in	22.50	163	634	55	759
m1315	i0052	1315mm	51.75in	1313mm	51.67in	2mm	0.08in	23.63	171	665	58	797
m1377	i0054	1377mm	54.21in	1375mm	54.13in	2mm	0.08in	24.75	179	697	61	835
m1440	i0057	1440mm	56.67in	1438mm	56.59in	2mm	0.08in	25.88	187	729	63	873
m1502	i0059	1502mm	59.13in	1500mm	59.06in	2mm	0.08in	27.00	195	761	66	911
m1565	i0062	1565mm	61.59in	1563mm	61.52in	2mm	0.08in	28.13	203	792	69	948
m1627	i0064	1627mm	64.06in	1625mm	63.98in	2mm	0.08in	29.25	211	824	72	986
m1690	i0067	1690mm	66.52in	1688mm	66.44in	2mm	0.08in	30.38	219	856	74	1024
m1752	i0069	1752mm	68.98in	1750mm	68.90in	2mm	0.08in	31.50	228	887	77	1062
m1815	i0071	1815mm	71.44in	1813mm	71.36in	2mm	0.08in	32.63	236	919	80	1100
m1877	i0074	1877mm	73.90in	1875mm	73.82in	2mm	0.08in	33.75	244	951	83	1138
m1940	i0076	1940mm	76.36in	1938mm	76.28in	2mm	0.08in	34.88	252	982	85	1176
m2002	i0079	2002mm	78.82in	2000mm	78.74in	2mm	0.08in	36.00	260	1014	88	1214

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

² Actual length of PCB strip

³ Actual length of 2x end caps

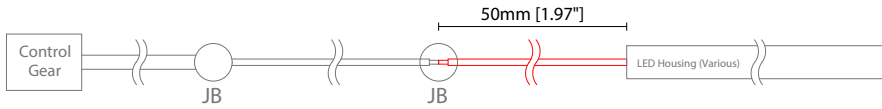
IP65



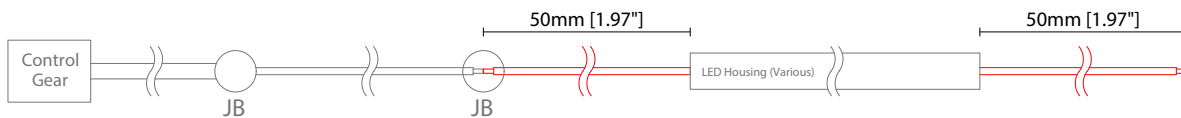
POWER FEED OPTIONS

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

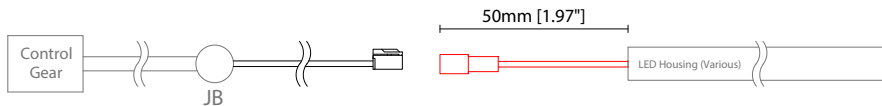
0050 S00X 50mm (1.97") IP65 Single no sheath tail



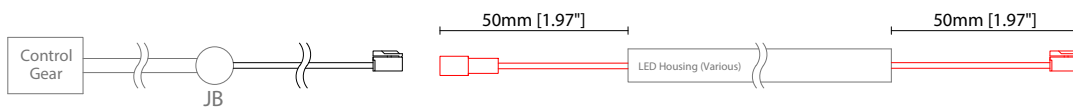
0050 D00X 50mm (1.97") IP65 Double no sheath tail



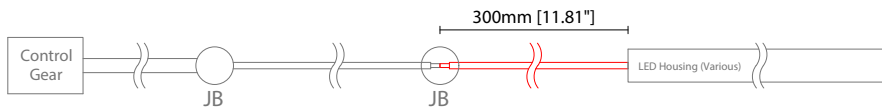
0050 S20X 50mm (1.97") Single no sheath IP20 connector



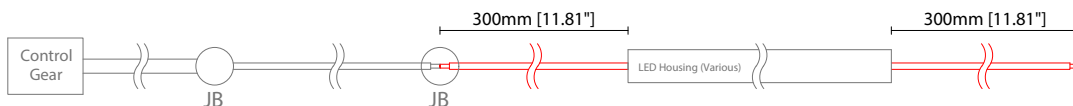
0050 D20X 50mm (1.97") Double no sheath IP20 connector



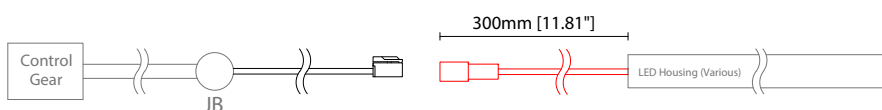
0300 S00X 300mm (11.81") IP65 Single no sheath tail



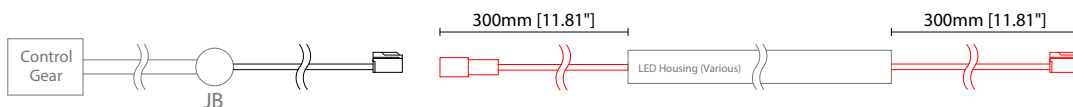
0300 D00X 300mm (11.81") Double no sheath tail



0300 S20X 300mm (11.81") Single no sheath IP20 connector



0300 D20X 300mm (11.81") Double no sheath IP20 connector



Key

Control Gear Power supply, sub-controllers & control systems

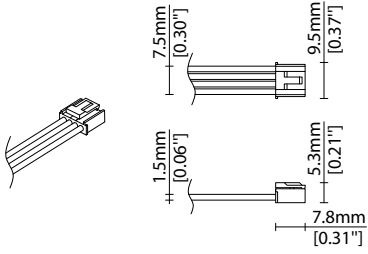
JB Junction box / cable connection

Flexible

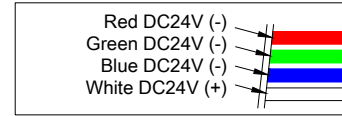
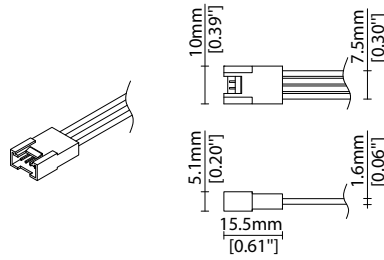
FX CHROMAX RGB Options



4 Pin RGB Female Connector



4 Pin RGB Male Connector



Flexible

FX CHROMAX RGB Accessories

KKDC

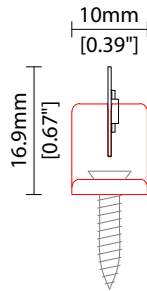
MOUNTING ACCESSORIES

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



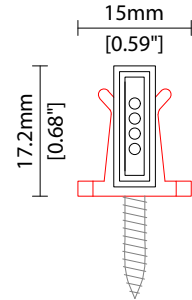
KKCP-07

Side clip
(allow 4 per metre/40in)
White plastic
L25/W10/H15mm
(L0.98/W0.39/H0.59")



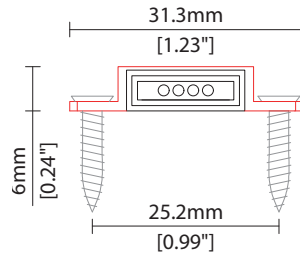
KKCP-08

IP65 side clip
(allow 4 per metre/40in)
Clear plastic
L20/W15/H15.3mm
(L0.78/W0.59/H0.6")

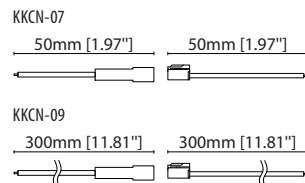
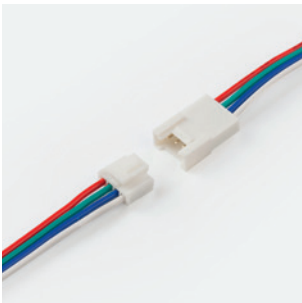


KKBK-18

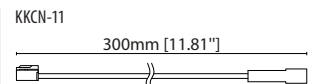
IP65 RGB silicone bracket (allow 4
per metre/40in)
Translucent silicone
L6/W31.3/H6mm
(L0.24/W1.23/H0.24")



POWER FEED



KKCN-07 50mm (1.97in) pair
KKCN-09 300mm (11.81in) pair
4 PIN RGB male + female
connector set



KKCN-11
4 PIN RGB 300mm (11.81in)
extension lead

Flexible

FX CHROMAX RGB Accessories

KKDC

KKDC CONTROL



IP20
Plastic housing
L170/W53.4/H28mm
(L6.69/W2.10/H1.10in)

KKSC-05 DMX

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



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)



IP20
Plastic housing
L170/W53.4/H28mm
(L6.69/W2.10/H1.10in)

KKDL-04 DALI-2

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



FX Driver/PSU Options



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-06	90-295V	24V	2.5A	60W	100-0.9	IP67/IP20
	HLG-60H-24	KKDM-06	90-295V	24V	2.5A	60W	100-0.9	IP67/IP20
	HLG-100H-24	KKDM-06	90-295V	24V	4.0A	100W	100-0.9	IP67/IP20
	HLG-150H-24	KKDM-06	90-295V	24V	6.3A	150W	100-0.9	IP67/IP20
	HLG-240H-24	KKDM-06	90-295V	24V	10.0A	240W	100-0.9	IP67/IP20
DALI	CEN-60-24	KKDL-02/03/04/visDIM PRO 30	90-295V	24V	2.5A	60W	100-0.1	IP67/IP20
	HLG-60H-24	KKDL-02/03/04/visDIM PRO 30	90-305V	24V	2.5A	60W	100-0.1	IP67/IP20
	HLG-100H-24	KKDL-02/03/04/visDIM PRO 30	90-305V	24V	4.0A	100W	100-0.1	IP67/IP20
	HLG-150H-24	KKDL-02/03/04/visDIM PRO 30	90-305V	24V	6.3A	150W	100-0.1	IP67/IP20
	HLG-240H-24	KKDL-02/03/04/visDIM PRO 30	90-305V	24V	10.0A	240W	100-0.1	IP67/IP20
DMX RGB	CEN-60-24	KKSC-05	90-295V	24V	2.5A	60W	100-0.9	IP67/IP20
	HLG-60H-24	KKSC-05	90-305V	24V	2.5A	60W	100-0.9	IP67/IP20
	HLG-100H-24	KKSC-05	90-305V	24V	4A	100W	100-0.9	IP67/IP20
	HLG-150H-24	KKSC-05	90-305V	24V	6.3A	150W	100-0.9	IP67/IP20
	HLG-240H-24	KKSC-05	90-305V	24V	10.0A	240W	100-0.9	IP67/IP20

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

² 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

³ Electrical shop drawing will include detailed information of PSU and relevant control drivers

⁴ Cut sheets are available on the controls section of www.kkdc.lighting or upon request