



KKSL RGB Fixture Guide



Outdoor | Surface | RGB output

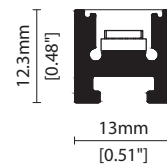


Key applications

- ✓ Architectural detail
- ✓ Bathrooms
- ✓ Cove lighting
- ✓ Exterior
- ✓ Indirect lighting
- ✓ Mirror back lighting
- ✓ Special effect
- ✓ Under bench

Key features

- ✓ Custom lengths
- ✓ Diffusion: Spotting
- ✓ Form factor: Small
- ✓ IP67
- ✓ RGB



MOUNTING METHODS



KKCP-02 Clip



KKBK-06 Fixed bracket



KKBK-05 Adjustable bracket

Linear

KKSL RGB

Specification sheet



Dimension	H12.3/W13/L99.3-2016mm (H0.48/W0.51/L3.91-79.37in)
PCB increment	83.3mm increment/2000mm max (3.28in increment/78.74in max)
LED pitch	13.9mm - 72LED/m (0.55in - 22LED/ft)
Chip	Red TEKCORE/Green EPILEDS/Blue 3E
Beam angle	110°
Colours	Red 620-625nm/Blue 455-460nm/Green 520-525nm
Bin/Step	5nm tolerance
CRI	N/A
Lifetime	50,000 hours @ 25°C (50,000 hours @ 77°F)
Operating temp	T _a = -20 to 50°C (T _c max = 70°C) T _a = -13 to 122°F (T _c max = 158°F)
IP rating	IP67
Finish	Silver anodised
Cover/lens	Silicone potted
Mounting	Surface mounting via clips or brackets
Power feed	Sheathed hardwire tails or male/female connectors
Control	DMX/DALI

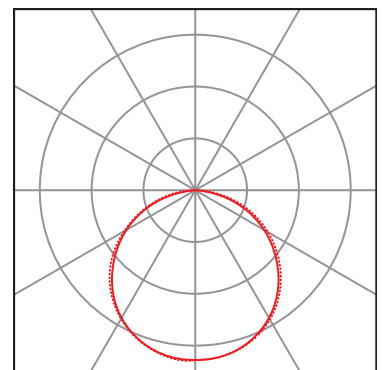
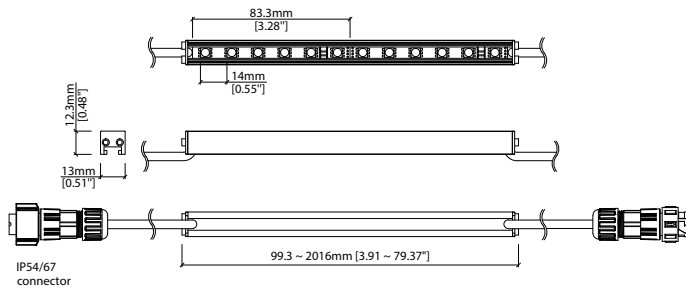


PERFORMANCE DATA

Power consumption	Supply voltage	Supply current
15.6W/m (4.75W/ft)	24V DC	0.65A/m (0.20A/ft)

Silicone potted

Red: 113lm/m (34lm/ft)
 Green: 224lm/m (68lm/ft)
 Blue: 40lm/m (12lm/ft)
 RGB: 353lm/m (108lm/ft)



— C0 / C180 cd / 1000 lm C90 / C270

Data derived from production samples tested to UKAS/IESNA LM-79-08 standards.

See KKDC website for product document updates.

www.kkdc.lighting

KKSLRGBS-02.02EN-20220804

FIXTURE

Model	Finish	Cover	Grade	LED	Colour (CCT)	Length Availability ¹	IP	Cable Length	Power Feed ²	Input
KKSL SL	Silver Anodised SA	No cover X	s	501	RGB RGB	m 99.3-2016mm 83.3mm increments i 3.91-79.37in 3.28in increments (Specify length code OR total run length)	IP67 67	300mm/11.81" 0300	Single ø4.3mm sheath tail S00A Double ø4.3mm sheath tail D00A Single ø4.3mm sheath IP67 connector S67A Double ø4.3mm sheath IP67 connector D67A	DC 24V g

¹ Refer to **Length Availability List** or enter total run length instead of length code ² Refer to **Power feed Options** on **Options** pages

Code Example:

SL	-	SA	-	X	-	s	-	501	-	RGB	-	m	516	-	67	-	0300	-	D67A	-	g
KKSL		Silver Anodised		No cover				501		RGB		515.8mm		IP67		300mm/11.81"		Double ø4.3mm sheath IP67 connector		DC 24V	

ACCESSORIES

Mounting Accessories

KKCP-02	Clip (1no.)
KKCP-52	Clip (500no.)
KKBK-06	Fixed bracket
KKBK-05	Adjustable bracket

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

Connection Accessories

CN67-4P-0300	IP67 4 PIN RGB male & female 300mm/11.81" pair
CN67-4P-1000	IP67 4 PIN RGB male & female 1000mm/39.37" pair
CN67-4P-3000	IP67 4 PIN RGB male & female 3000mm/118.11" pair

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

Exterior Junction Boxes

KKJB-07	IP67 Slim J-Box
KKJB-07R	Potting Resin for IP67 Slim J-Box

* Refer to **Exterior Junction Boxes** 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)

Colour	Output	LED	Lumen/m	Lumen/ft	W/m	W/ft	Spec Doc	Length	Increment
Single CCT	Low	352	410	124	5.5	1.67	KKSL 352	99.3-2016mm (3.91-79.37in)	83.3mm (3.28in)
	Mid	504	950	290	12.5	3.81	KKSL 504	116-2016mm (4.57-79.37in)	100mm (3.94in)
	High	508	1310	399	17.5	5.33	KKSL 508	87.4-2016mm (3.44-79.37in)	71.4mm (2.81in)
RGB		501	Red 113 Green 224 Blue 40 RGB 353	Red 34 Green 68 Blue 12 RGB 108	15.6	4.75	KKSL RGB	99.3-2016mm (3.91-79.37in)	83.3mm (3.28in)

* Performance data: silicone potted, RGB

KKSL RGB

Length Availability List

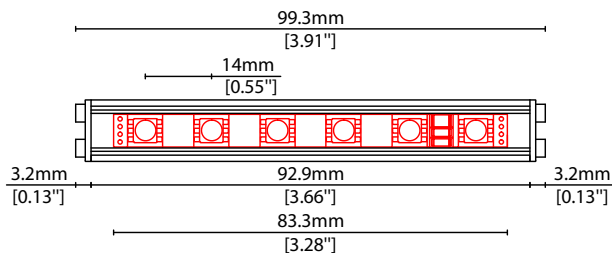


Length Code		Fixture Length ¹		LED Strip ²		End Cap Dimension ³		Wattage (W)	Output (lm)			
Metric	Imperial(US)	Metric	Imperial(US)	Metric	Imperial(US)	Metric	Imperial(US)		R	G	B	W
m0099	i0004	99mm	3.91in	83mm	3.28in	2.4mm	0.09in	1.30	9	19	3	29
m0183	i0007	183mm	7.19in	167mm	6.56in	2.4mm	0.09in	2.60	19	37	7	59
m0266	i0010	266mm	10.47in	250mm	9.84in	2.4mm	0.09in	3.90	28	56	10	88
m0349	i0014	349mm	13.75in	333mm	13.12in	2.4mm	0.09in	5.20	38	75	13	118
m0433	i0017	433mm	17.04in	417mm	16.41in	2.4mm	0.09in	6.50	47	93	17	147
m0516	i0020	516mm	20.32in	500mm	19.69in	2.4mm	0.09in	7.80	57	112	20	177
m0599	i0024	599mm	23.60in	583mm	22.97in	2.4mm	0.09in	9.10	66	131	23	206
m0683	i0027	683mm	26.88in	667mm	26.25in	2.4mm	0.09in	10.40	75	149	27	235
m0766	i0030	766mm	30.16in	750mm	29.53in	2.4mm	0.09in	11.70	85	168	30	265
m0849	i0033	849mm	33.44in	833mm	32.81in	2.4mm	0.09in	13.00	94	187	33	294
m0933	i0037	933mm	36.72in	917mm	36.09in	2.4mm	0.09in	14.30	104	205	37	324
m1016	i0040	1016mm	40.00in	1000mm	39.37in	2.4mm	0.09in	15.60	113	224	40	353
m1099	i0043	1099mm	43.28in	1083mm	42.65in	2.4mm	0.09in	16.90	122	243	43	382
m1183	i0047	1183mm	46.57in	1167mm	45.94in	2.4mm	0.09in	18.20	132	261	47	412
m1266	i0050	1266mm	49.85in	1250mm	49.22in	2.4mm	0.09in	19.50	141	280	50	441
m1349	i0053	1349mm	53.13in	1333mm	52.50in	2.4mm	0.09in	20.80	151	299	53	471
m1433	i0056	1433mm	56.41in	1417mm	55.78in	2.4mm	0.09in	22.10	160	317	57	500
m1516	i0060	1516mm	59.69in	1500mm	59.06in	2.4mm	0.09in	23.40	170	336	60	530
m1599	i0063	1599mm	62.97in	1583mm	62.34in	2.4mm	0.09in	24.70	179	355	63	559
m1683	i0066	1683mm	66.25in	1667mm	65.62in	2.4mm	0.09in	26.00	188	373	67	588
m1766	i0070	1766mm	69.53in	1750mm	68.90in	2.4mm	0.09in	27.30	198	392	70	618
m1849	i0073	1849mm	72.81in	1833mm	72.18in	2.4mm	0.09in	28.60	207	411	73	647
m1933	i0076	1933mm	76.10in	1917mm	75.47in	2.4mm	0.09in	29.90	217	429	77	677
m2016	i0079	2016mm	79.38in	2000mm	78.75in	2.4mm	0.09in	31.20	226	448	80	706

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

² Actual length of PCB strip

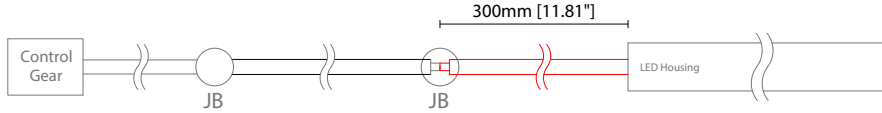
³ Actual length of 2x end caps



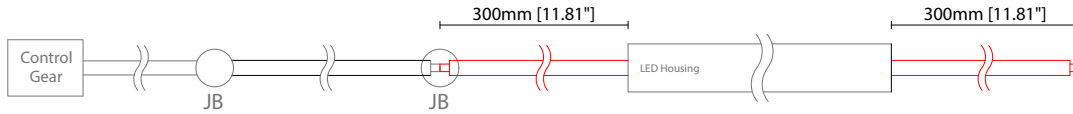
POWER FEED OPTIONS

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

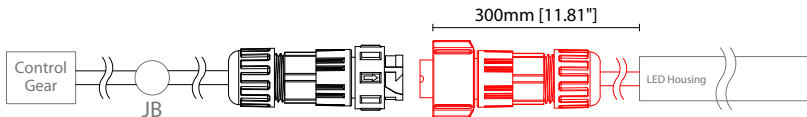
0300 S00A 300mm (11.81") Single \varnothing 4.3mm sheath tail



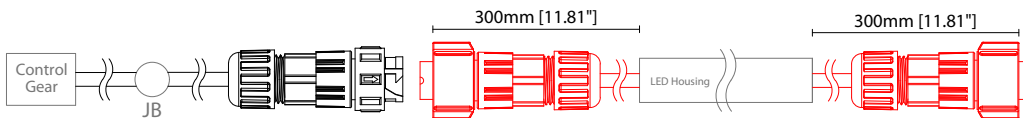
0300 D00A 300mm (11.81") Double \varnothing 4.3mm sheath tail



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

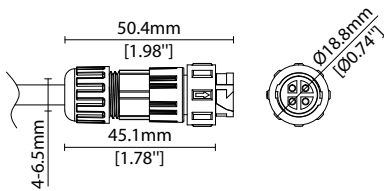


0300 D67A 300mm (11.81") Double \varnothing 4.3mm sheath IP67 connector

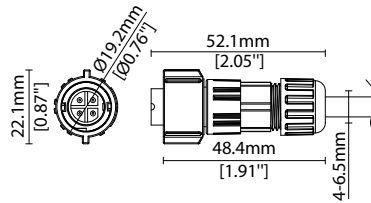


IP67 4 Pin Connector

Female connector
4 PIN (IP67)



Male connector
4 PIN (IP67)



Key

Control Gear Power supply, sub-controllers & control systems

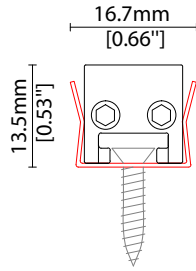
JB Junction box / cable connection

MOUNTING ACCESSORIES

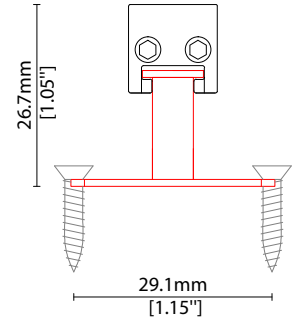
Note: Accessories are to be ordered separately with corresponding code shown below.



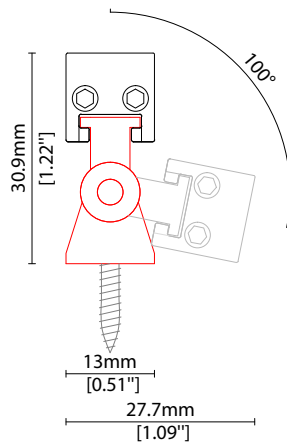
KKCP-02 (1no.)
KKCP-52 (500no.)
Clip (allow 3 per metre/40in)
S/Steel finish
L25/W16.7/H13.5mm
(L0.98/W0.66/H0.53")



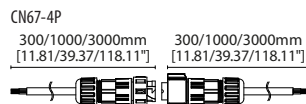
KKBK-06
Fixed bracket (allow 3 per metre/40in)
S/Steel finish
L20/W29.1/H26.7mm
(0.79/W1.15/H1.05")



KKBK-05
Adjustable bracket
(allow 2 per metre/40in)
S/Steel finish
L36.5/W13/H30.9mm
(L1.44/W0.51/H1.22")



POWER FEED



CN67-4P-0300 300mm (11.81in) pair
CN67-4P-1000 1000mm (39.37in) pair
CN67-4P-3000 3000mm (118.11in) pair

IP67
4 PIN male + female (RGB/LEDmix) 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

KKDC CONTROL



KKDM-06 1-10V

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

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



KKSC-05 DMX

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

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



KKDL-02 DALI

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

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



KKDL-03 DALI

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

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

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	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-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