

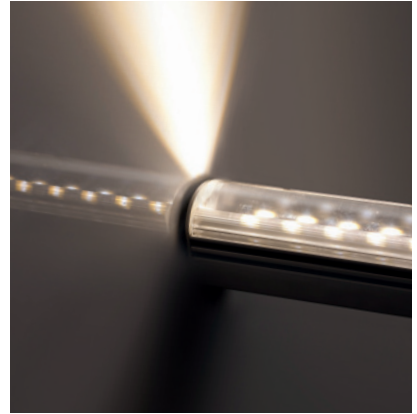
Linear

Power Cove 512

Fixture Guide

KKDÖ

Indoor | Surface | Max output up to 2840lm/m (866lm/ft)

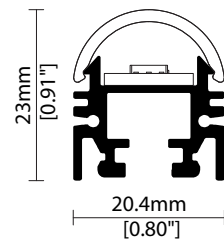


Key applications

- ✓ Architectural detail
- ✓ Cove lighting
- ✓ Flood lighting
- ✓ Indirect lighting
- ✓ Interior
- ✓ Mirror back lighting
- ✓ Office lighting
- ✓ Retail display
- ✓ Under cabinet
- ✓ Wall grazing

Key features

- ✓ Custom lengths
- ✓ Diffusion: Spotting
- ✓ Extensive CCT range
- ✓ Form factor: Medium
- ✓ High lumen efficacy
- ✓ IP40
- ✓ Lensed
- ✓ Output max



MOUNTING METHODS



KKCP-11 Concealed clip



KKBK-25 Adjustable bracket

Linear

Power Cove 512

Specification sheet



Dimension	H23/W20.4/L84.4-2013mm (H0.91/W0.8/L3.32-79.25in) (excluding brackets)
PCB increment	71.4mm increment/2000mm max (2.81in increment/78.74in max)
LED pitch	11.9mm - 84LED/m (0.47in - 26LED/ft)
Chip	s/e-line Toyoda Gosei k-line Toyoda Gosei or Equivalent
Beam angle	110° (Clear Cover) / 130° (Diffused Cover) / 115° (Semi-diffused Cover) / 30° (KKLN-02 Lens)
Colours	s/e-line 1900K/2100K/2300K/2500K/2700K/3000K/3500K/4000K/5000K k-line 1900K/2100K/2300K/2500K/2700K/3000K/3500K/4000K/5000K
Bin/Step	s-line 2-step MacAdam ellipse e/k-line 3-step MacAdam ellipse
CRI	≥ 90
Lifetime	50,000 hours @ 25°C (50,000 hours @ 77°F)
Operating temp	T _a = -25°C to 45°C (T _c max = 75°C) T _a = -13 to 113°F (T _c max = 167°F)
IP rating	IP40
Finish	Silver anodised
Cover/lens	Clear/Diffused/Semi-diffused/30° Lens accessory
Mounting	Surface mounting via clips or brackets
Power feed	Sheathed hardwire tails or male/female connectors
Control	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

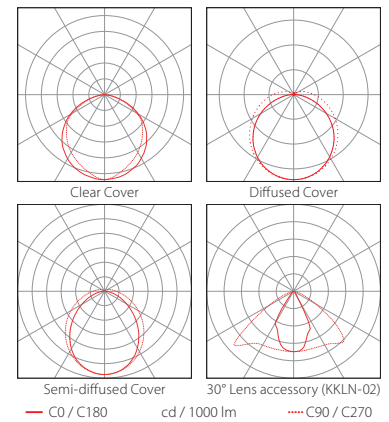
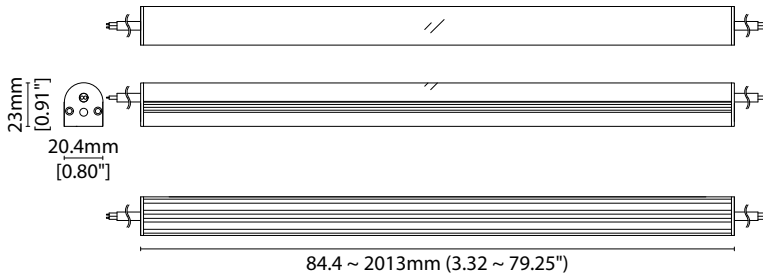
PERFORMANCE DATA @ 3000K

Power consumption	Supply voltage	Supply current
30.9W/m (9.4W/ft)	24V DC	1.26A/m (0.384A/ft)

Colour Rendering Index (CRI)

	R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14
k-line	94	97	98	93	93	96	92	83	60	93	94	82	95	99

	Clear Cover	Diffused Cover	Semi-diffused Cover	30° Lens accessory (KKLN-02)	CRI	R9	Rf	Rg
s/e-line	2840lm/m (866lm/ft) 92lm/W	1810lm/m (552lm/ft) 58.6lm/W	2680lm/m (817lm/ft) 86.8lm/W	2780lm/m (847lm/ft) 90lm/W	92	50	-	-
k-line	2450lm/m (747lm/ft) 79.3lm/W	1650lm/m (503lm/ft) 53.3lm/W	2350lm/m (716lm/ft) 75.9lm/W	2430lm/m (741lm/ft) 78.7lm/W	92	57	-	-



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

Power Cove 512

Code Table



FIXTURE

Model	Finish	Cover/Lens ¹	Grade ²	LED	Colour (CCT)	Length Availability ³	IP	Cable Length	Power Feed ⁴	Input
Power Cove PW	Silver anodised SA	Clear B	s	512	1900K 19	m 84.4-2013mm 71.4mm increments	IP40 40	300mm/11.81" 0300	S00A	DC 24V g
					2100K 21					
		Diffused C	e		2300K 23	i 3.32-79.25in 2.81in increments				
					2500K 25					
		Semi-diffused D	k		2700K 27	(Specify length code OR total run length)				
					3000K 30					
		KKLN-02 H			3500K 35					
					4000K 40					
		5000K 50								
		RED RED s-only								
		GREEN GRN								
		BLUE BLU								
		ORANGE ORN								
		AMBER AMB								

¹ Refer to **Lens Options** on **Options** pages

² Refer to **LED Grading Key** on **Specification sheet** page

³ Refer to **Length Availability List** or enter total run length instead of length code

⁴ Refer to **Power Feed Options** on **Options** pages

Code Example:

PW	-	SA	-	C	-	s	-	512	-	35	-	m	-	513	-	40	-	0300	-	D00A	-	g
Power Cove		Silver anodised		Diffused		s		512		3500K		512.8mm		IP40		300mm/11.81"		Double ø4.3mm sheath tail		DC 24V		

ACCESSORIES

Mounting Accessories

KKCP-11	Concealed Clip
KKBK-25	Adjustable bracket

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

Connection Accessories

KKCN-01	2 PIN male & female 50mm/1.97" pair
KKCN-03	2 PIN male & female 300mm/11.81" pair
KKCN-06	2 PIN 300mm/11.81" extension lead

* 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)

Colour	Output	LED	Lumen/m	Lumen/ft	W/m	W/ft	Spec Doc	Length	Increment
Single CCT	Max	512	2840	866	30.9	9.4	Power Cove 512	84.4-2013mm (3.32-79.25in)	71.4mm (2.81in)
	Max	040	4844	1476	40	9.4	Power Cove A040	90-1513mm (3.54-59.56in)	38.46 (1.51in)

* Performance data: A/s/e-line, clear cover, 3000K

Power Cove 512

Length Availability List

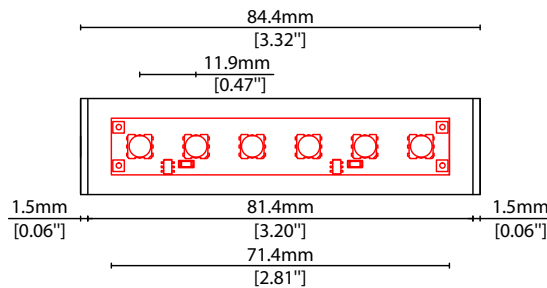


Length Code		Fixture Length ¹		LED Strip ²		End Cap Dimension ³		Wattage (W)	Output (lm)	
Metric	Imperial(US)	Metric	Imperial(US)	Metric	Imperial(US)	Metric	Imperial(US)		3000K (Test Data)	Range Data
m0084	i0003	84mm	3.32in	71mm	2.81in	3mm	0.12in	2.21	203	94-211
m0156	i0006	156mm	6.14in	143mm	5.62in	3mm	0.12in	4.41	406	188-422
m0227	i0009	227mm	8.95in	214mm	8.44in	3mm	0.12in	6.62	609	282-634
m0299	i0012	299mm	11.76in	286mm	11.25in	3mm	0.12in	8.83	812	376-845
m0370	i0015	370mm	14.57in	357mm	14.06in	3mm	0.12in	11.04	1015	471-1056
m0441	i0017	442mm	17.39in	429mm	16.87in	3mm	0.12in	13.24	1218	565-1267
m0513	i0020	513mm	20.20in	500mm	19.69in	3mm	0.12in	15.45	1421	659-1478
m0584	i0023	584mm	23.01in	571mm	22.50in	3mm	0.12in	17.66	1624	753-1689
m0656	i0026	656mm	25.82in	643mm	25.31in	3mm	0.12in	19.86	1827	847-1901
m0727	i0029	727mm	28.63in	714mm	28.12in	3mm	0.12in	22.07	2031	941-2112
m0799	i0031	799mm	31.45in	786mm	30.93in	3mm	0.12in	24.28	2234	1035-2323
m0870	i0034	870mm	34.26in	857mm	33.75in	3mm	0.12in	26.49	2437	1129-2534
m0941	i0037	942mm	37.07in	929mm	36.56in	3mm	0.12in	28.69	2640	1223-2745
m1013	i0040	1013mm	39.88in	1000mm	39.37in	3mm	0.12in	30.90	2843	1318-2956
m1084	i0043	1084mm	42.69in	1071mm	42.18in	3mm	0.12in	33.11	3046	1412-3168
m1156	i0046	1156mm	45.51in	1143mm	45.00in	3mm	0.12in	35.31	3249	1506-3379
m1227	i0048	1227mm	48.32in	1214mm	47.81in	3mm	0.12in	37.52	3452	1600-3590
m1299	i0051	1299mm	51.13in	1286mm	50.62in	3mm	0.12in	39.73	3655	1694-3801
m1370	i0054	1370mm	53.94in	1357mm	53.43in	3mm	0.12in	41.93	3858	1788-4012
m1441	i0057	1442mm	56.76in	1429mm	56.24in	3mm	0.12in	44.14	4061	1882-4224
m1513	i0060	1513mm	59.57in	1500mm	59.06in	3mm	0.12in	46.35	4264	1976-4435
m1584	i0062	1584mm	62.38in	1571mm	61.87in	3mm	0.12in	48.56	4467	2070-4646
m1656	i0065	1656mm	65.19in	1643mm	64.68in	3mm	0.12in	50.76	4670	2165-4857
m1727	i0068	1727mm	68.00in	1714mm	67.49in	3mm	0.12in	52.97	4873	2259-5068
m1799	i0071	1799mm	70.82in	1786mm	70.31in	3mm	0.12in	55.18	5076	2353-5279
m1870	i0074	1870mm	73.63in	1857mm	73.12in	3mm	0.12in	57.38	5279	2447-5491
m1941	i0076	1942mm	76.44in	1929mm	75.93in	3mm	0.12in	59.59	5482	2541-5702
m2013	i0079	2013mm	79.25in	2000mm	78.74in	3mm	0.12in	61.80	5685	2635-5913

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

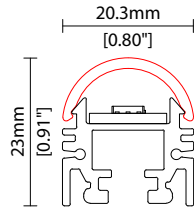
² Actual length of PCB strip

³ Actual length of 2x end caps

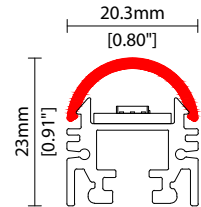


LENS OPTIONS

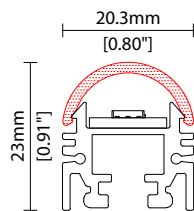
* Options are an integral part of the fixture ordering codes. Please refer to **Code Table** pages.



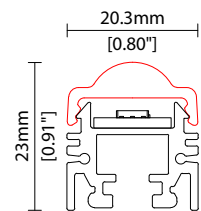
B Clear
W20.3/H23mm (W0.80/H0.91")



C Diffused
W20.3/H23mm (W0.80/H0.91")



D Semi-diffused
W20.3/H23mm (W0.80/H0.91")

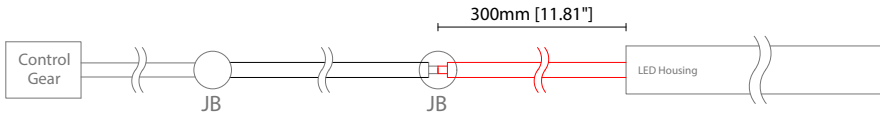


H KKLN-02
W20.4/H23mm (W0.80/H0.91")

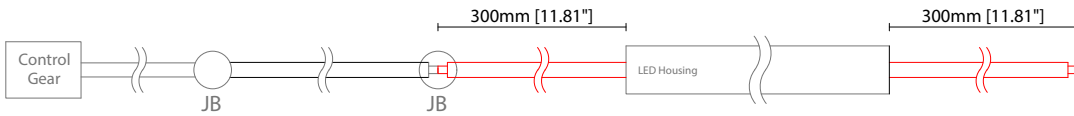
POWER FEED OPTIONS

* 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



Key

Control Gear	Power supply, sub-controllers & control systems
JB	Junction box / cable connection

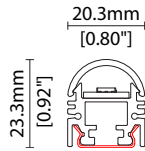
MOUNTING ACCESSORIES

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



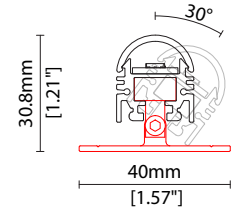
KKCP-11

Concealed clip
(allow 3 per metre/40in)
S/Steel finish
L20/W20.3/H23.3mm
(L0.79/W0.8/H0.92")

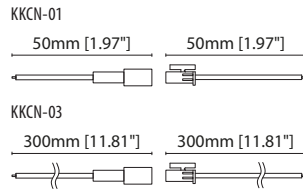
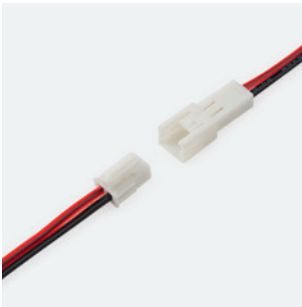


KKBK-25

Adjustable bracket
(allow 2 per metre/40in)
S/Steel finish
L30/W40/H30.8mm
(L1.18/W1.57/H1.21")



POWER FEED



KKCN-01 50mm (1.97in) pair
KKCN-03 300mm (11.81in) pair
2 PIN male + female connector set



KKCN-06

2 PIN 300mm (11.81in) extension lead



KKDC CONTROL



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

KKDM-06 1-10V

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



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)

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