

Linear

LINI-S Glow RGBW Fixture Guide

KKDÖ

Indoor | Surface | RGBW output up to 604lm/m (184lm/ft)

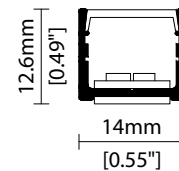


Key applications

- ✓ Architectural detail
- ✓ Cabinet & furniture
- ✓ Cove lighting
- ✓ Direct lighting
- ✓ Display case
- ✓ Hand rail
- ✓ Interior
- ✓ Mirror back lighting
- ✓ Shelving display
- ✓ Special effect

Key features

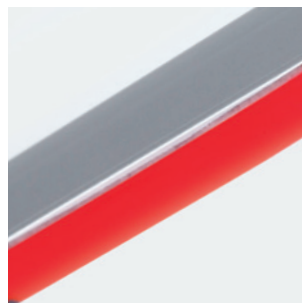
- ✓ Custom lengths
- ✓ Constant Voltage (CV)
- ✓ Diffusion: homogenous
- ✓ Direct view
- ✓ Extensive CCT range
- ✓ Illuminated ends
- ✓ IP40 dry area
- ✓ LEDmix RGBW



MOUNTING METHODS



KKCP-02 Standard clip



3M tape mounting

Linear

LINI-S Glow RGBW

Specification sheet



Dimensions	H12/W14/L136-2011mm (H0.47/W0.55/L5.35-79.17in)
PCB Cut-point	62.5mm increment/2000mm max (2.46in increment/78.74in max)
LED Pitch	10.4mm-192LED/m (0.41in - 59LED/ft)
Chip	RGB LEDmix
Cover/Optics	Diffused (110°)
CCT	s-line: White: 1900K/2100K/2300K/2500K/2700K/3000K/3500K/4000K/5000K/ RGB: Red 620-625nm/Blue 455-460nm/Green 520-525nm k-line: White: 1900K/2100K/2300K/2500K/2700K/3000K/3500K/4000K/5000K RGB: Red 617-627nm/Blue 464-474nm/Green 515-525nm
LED binning	s-line: White: 2.5-step MacAdam ellipse / RGB: 5nm tolerance k-line: White: 3-step MacAdam ellipse / RGB: 10nm tolerance
CRI	≥ 90 (white only)
Lifetime	50,000 hours @ 25°C (50,000 hours @ 77°F)
Operating temp	T _a = -25 to 45°C (T _c max = 75.8°C) T _a = -13 to 113°F (T _c max = 168°F)
IP Rating	IP40
Finish	Silver anodised
Mounting	Self-adhesive 3M tape / Clips
Power feed	Hardwire tails or male/female connectors
Control	0-10V/1-10V/DMX/DALI



LED Grading Key

Exclusive Grade

s-line*	*KKDC tuned CCT range
2-step CCT range	

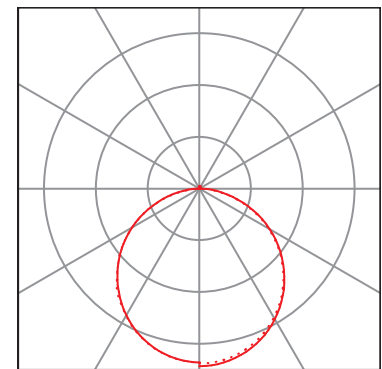
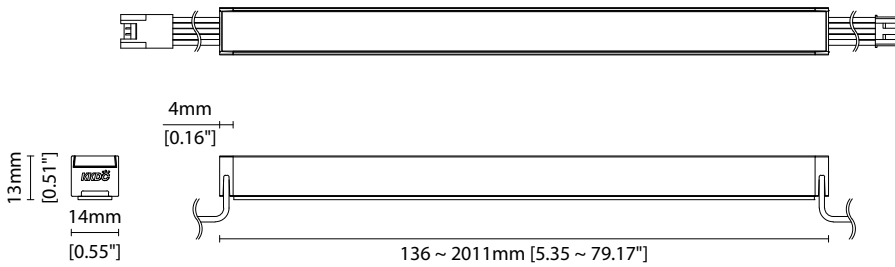
Base Grade

k-line	3-step commercial range
	Energy Star CCTs

Power consumption	Supply voltage	Supply current
20W/m (6.10W/ft)	24V DC	0.83A/m (0.25A/ft)

Diffused Cover

s-line	604lm/m (184lm/ft) 30.2lm/W
k-line	570lm/m (174lm/ft) 28.5lm/W



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

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

LINI-S Glow RGBW

Code Table



FIXTURE

Model	Finish	Cover	Grade ¹	LED	Colour (CCT)	Length Availability ²	IP	Cable Length	Power Feed ³	Input								
LINI-S Glow	SG Silver Anodised	SA Diffused	C	s k	R201	R201	RGB+1900K	19	m	136-2011mm 62.5mm increments	IP40	40	50mm/ 1.97"	0050	Single no sheath tail	S00X	DC 24V	g
					RGB+2100K	21												
					RGB+2300K	23	i	5.35-79.17 2.46in increments	300mm/ 11.81"	0300			Double no sheath tail	D00X				
					RGB+2500K	25												
					RGB+2700K	27	(Specify length code OR total run length)		1000mm/ 39.37"	1000			Single no sheath IP20 connector	S20X				
					RGB+3000K	30												
					RGB+3500K	35	Double no sheath IP20 connector	D20X										
					RGB+4000K	40												
					RGB+5000K	50												

¹ Refer to LED Grading Key on **Specification sheet** page

² Refer to **Length Availability List** or enter total run length instead of length code

³ Refer to **Power Feed Options** on **Options** pages

Code Example:

SG	-	SA	-	C	-	s	-	R201	-	RGBW	-	35	-	m	511	-	40	-	0300	-	D00X	-	g
LINI-S Glow		Silver Anodised		Diffused				R201		RGBW		RGB+3500K		511mm		IP40		300mm/11.81"		Double no sheath tail		DC 24V	

ACCESSORIES

Connection Accessories

KKCN-29	5 PIN RGBW male & female 50mm/1.97" pair
KKCN-30	5 PIN RGBW male & female 300mm/11.81" pair
KKCN-32	5 PIN RGBW 1000mm/39.37" extension lead

PSU/Driver

DALI/DMX

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

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

LED ENGINE VARIANTS (LED STRIP TYPE)

Colour	LED	Lumen/m	Lumen/ft	W/m	W/ft	Spec Doc	Length	Increment
Single CCT	A030	2010	613	30	9.14	LINI-S Glow A030	88-2011 (3.46-79.17in)	38.46mm (3.46in)
Warm Dim/Dynamic White	R209	1030	314	25	7.62	LINI-S Glow R209	94.4-2011mm (3.70-79.17in)	41.7mm (1.64in)
RGBW	R201	604	184	20	6.1	LINI-S Glow RGBW	136-2011mm (5.35-79.17in)	62.5mm (2.46in)

* Performance data: s-line, diffused cover, 3000K+RGB

LINE-S Glow RGBW Length Availability List

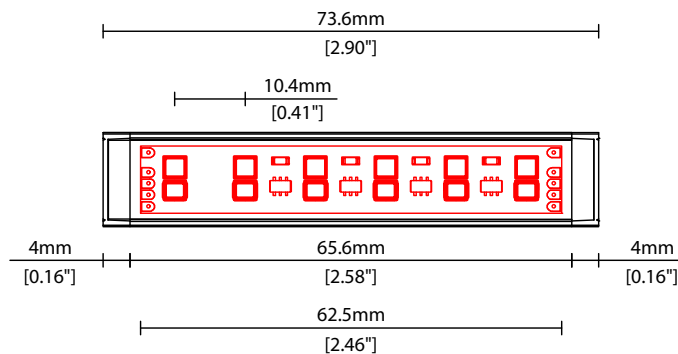


Length Code		Fixture Length ¹		LED Strip ²		End Cap Dimension ³		Wattage (W)	Output (lm)
Metric	Imperial(US)	Metric	Imperial(US)	Metric	Imperial(US)	Metric	Imperial(US)		3000K (Test Data)
m0136	i0005	136mm	5.35in	125mm	4.92in	8mm	0.31in	2.50	71
m0199	i0008	199mm	7.81in	188mm	7.38in	8mm	0.31in	3.75	107
m0261	i0010	261mm	10.28in	250mm	9.84in	8mm	0.31in	5.00	143
m0324	i0013	324mm	12.74in	313mm	12.30in	8mm	0.31in	6.25	178
m0386	i0015	386mm	15.20in	375mm	14.76in	8mm	0.31in	7.50	214
m0449	i0018	449mm	17.66in	438mm	17.22in	8mm	0.31in	8.75	249
m0511	i0020	511mm	20.12in	500mm	19.69in	8mm	0.31in	10.00	285
m0574	i0023	574mm	22.58in	563mm	22.15in	8mm	0.31in	11.25	321
m0636	i0025	636mm	25.04in	625mm	24.61in	8mm	0.31in	12.50	356
m0699	i0028	699mm	27.50in	688mm	27.07in	8mm	0.31in	13.75	392
m0761	i0030	761mm	29.96in	750mm	29.53in	8mm	0.31in	15.00	428
m0824	i0032	824mm	32.42in	813mm	31.99in	8mm	0.31in	16.25	463
m0886	i0035	886mm	34.88in	875mm	34.45in	8mm	0.31in	17.50	499
m0949	i0037	949mm	37.34in	938mm	36.91in	8mm	0.31in	18.75	534
m1011	i0040	1011mm	39.80in	1000mm	39.37in	8mm	0.31in	20.00	570
m1074	i0042	1074mm	42.26in	1063mm	41.83in	8mm	0.31in	21.25	606
m1136	i0045	1136mm	44.72in	1125mm	44.29in	8mm	0.31in	22.50	641
m1199	i0047	1199mm	47.19in	1188mm	46.75in	8mm	0.31in	23.75	677
m1261	i0050	1261mm	49.65in	1250mm	49.21in	8mm	0.31in	25.00	713
m1324	i0052	1324mm	52.11in	1313mm	51.67in	8mm	0.31in	26.25	748
m1386	i0055	1386mm	54.57in	1375mm	54.13in	8mm	0.31in	27.50	784
m1449	i0057	1449mm	57.03in	1438mm	56.59in	8mm	0.31in	28.75	819
m1511	i0059	1511mm	59.49in	1500mm	59.06in	8mm	0.31in	30.00	855
m1574	i0062	1574mm	61.95in	1563mm	61.52in	8mm	0.31in	31.25	891
m1636	i0064	1636mm	64.41in	1625mm	63.98in	8mm	0.31in	32.50	926
m1699	i0067	1699mm	66.87in	1688mm	66.44in	8mm	0.31in	33.75	962
m1761	i0069	1761mm	69.33in	1750mm	68.90in	8mm	0.31in	35.00	998
m1824	i0072	1824mm	71.79in	1813mm	71.36in	8mm	0.31in	36.25	1033
m1886	i0074	1886mm	74.25in	1875mm	73.82in	8mm	0.31in	37.50	1069
m1949	i0077	1949mm	76.71in	1938mm	76.28in	8mm	0.31in	38.75	1104
m2011	i0079	2011mm	79.17in	2000mm	78.74in	8mm	0.31in	40.00	1140

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



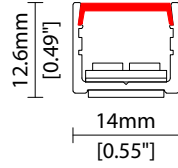


LINI-S Glow RGBW Options



COVER/LENS OPTIONS

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



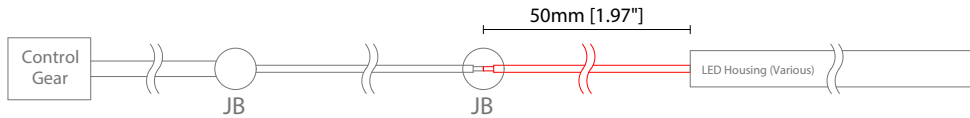
C Diffused cover

W14/H12.6mm (W0.55/H0.49")

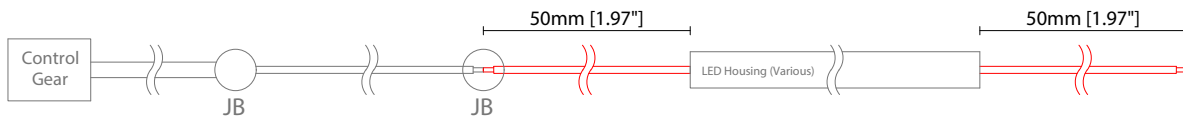
POWER FEED OPTIONS

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

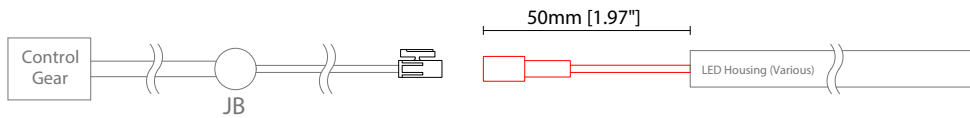
0050 S00X 50mm (1.97") Single tail



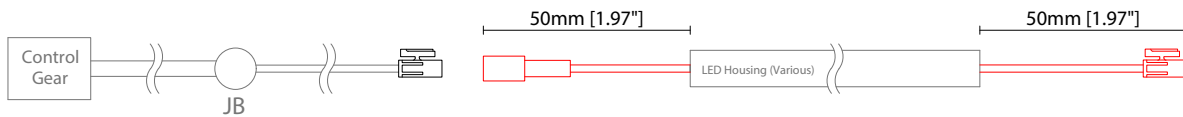
0050 D00X 50mm (1.97") Double tail



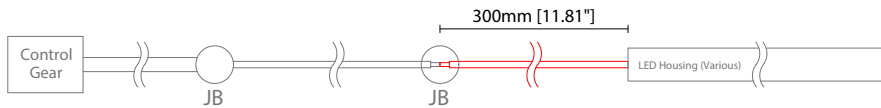
0050 S20X 50mm (1.97") Single IP20 connector



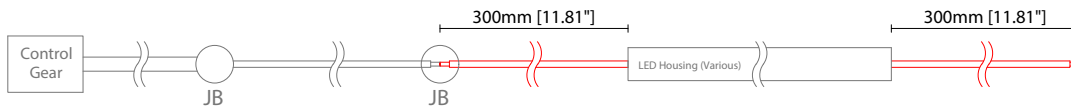
0050 D20X 50mm (1.97") Double IP20 connector



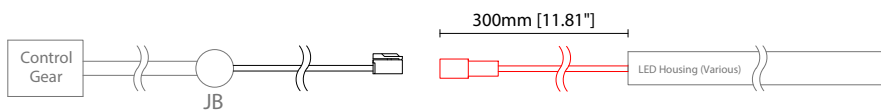
0300 S00X 300mm (11.81") Single no sheath tail



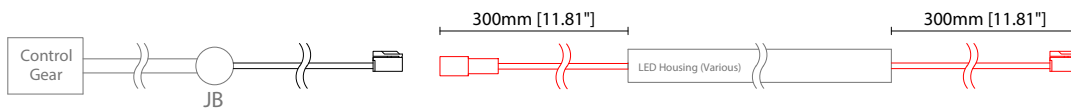
0300 D00X 300mm (11.81") Double no sheath tail



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



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



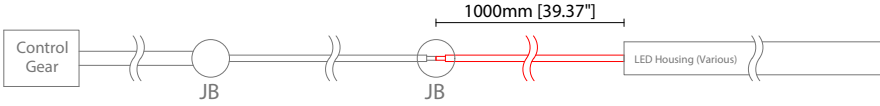
Key

Control Gear Power supply, sub-controllers & control systems

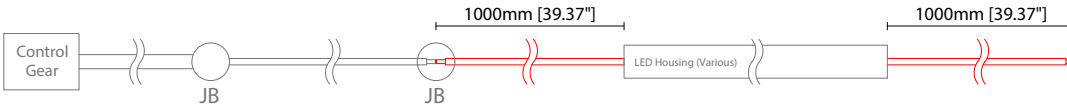
JB Junction box / cable connection

POWER FEED OPTIONS (CONTINUED)

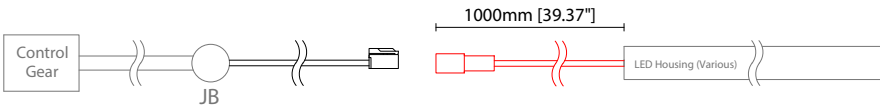
1000 S00X 1000mm (39.37") Single no sheath tail



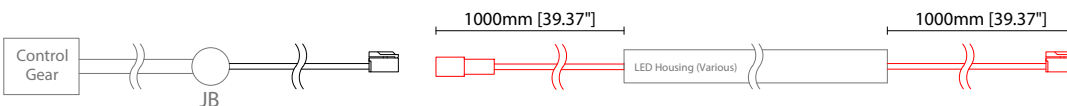
1000 D00X 1000mm (39.37") Double no sheath tail



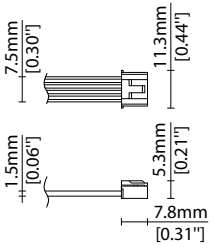
1000 S20X 1000mm (39.37") Single no sheath IP20 connector



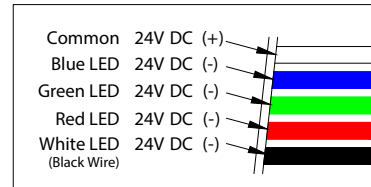
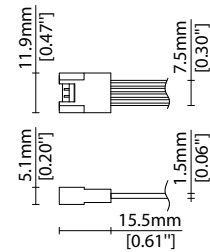
1000 D20X 1000mm (39.37") Double no sheath IP20 connector



5 Pin RGBW Female Connector

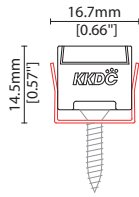


5 Pin RGBW Male Connector



MOUNTING ACCESSORIES

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

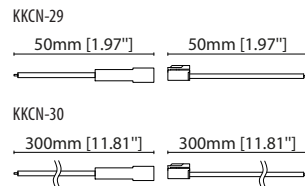


KKCP-02 (1no.)
KKCP-52 (500no.)

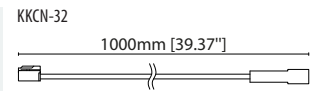
Clip (allow 3 per metre/40in)
S/Steel finish

L25/W16.7/H15.5mm
(L0.98/W0.66/H0.61")

POWER FEED



KKCN-29 50mm (1.97in) pair
KKCN-30 300mm (11.81in) pair
5-PIN RGBW male + female
connector set



KKCN-32 1000mm (39.37in) pair
5-PIN RGBW male + female
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