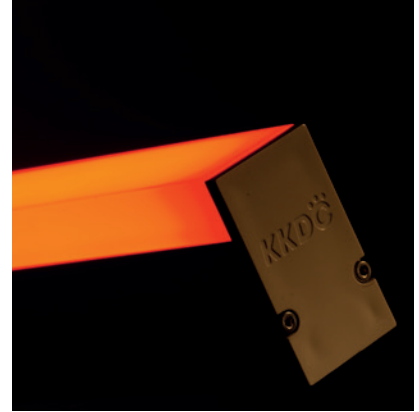


Linear

LiNi-M XL RGBW Fixture Guide

KKDÖ

Indoor | Surface | RGBW output up to 450lm/m (137lm/ft)

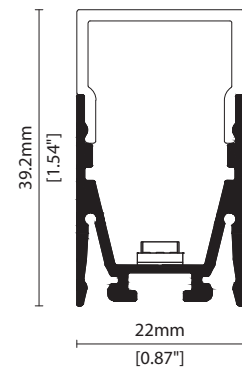


Key applications

- ✓ Architectural detail
- ✓ Cove lighting
- ✓ Indirect lighting
- ✓ Interior
- ✓ Orientation lighting
- ✓ Shelving display
- ✓ Special effect
- ✓ Under bench
- ✓ Under cabinet

Key features

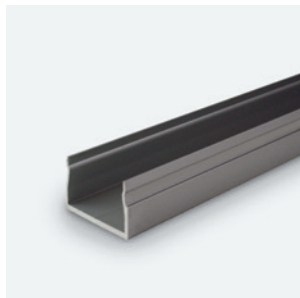
- ✓ Custom lengths
- ✓ Decorative
- ✓ Diffusion: Homogenous
- ✓ Direct view
- ✓ Form factor: Medium
- ✓ IP40
- ✓ RGBW



MOUNTING METHODS



KKCP-11 Concealed clip



KKCR-01-1000 Cable raceway (1000mm)
KKCR-01-2000 Cable raceway (2000mm)
KKCR-01-3000 Cable raceway (3000mm)



KKJT-02 Joining bar

Linear

LiNi-M XL RGBW

Specification sheet



Dimension	H39.3/W22.2/L177.7-2011mm (H1.55/W0.87/L6.99-79.17in)	
PCB increment	166.7mm increment/2000mm max (6.56in increment/78.74in max)	
LED pitch	13.9mm - 72LED/m (0.94in - 22LED/ft)	
Chip	s-line	White Toyoda Gosei/Red TEKCORE/Green EPILEDs/Blue 3E
	k-line	White Toyoda Gosei or Equivalent/Red TEKCORE/Green EPILEDs/Blue 3E
Beam angle	148° (Diffused Cover)	
Colours	s-line	1900K/2100K/2300K/2500K/2700K/3000K/3500K/4000K/5000K RGB: Red 620-625nm/Blue 455-460nm/Green 520-525nm
	k-line	1900K/2100K/2300K/2500K/2700K/3000K/3500K/4000K/5000K RGB: Red 617-627nm/Blue 464-474nm/Green 515-525nm
Bin/Step	s-line	White: 2.5 Step MacAdam ellipse/RGB: 5nm tolerance
	k-line	White: 3-step MacAdam ellips/RGB: 10nm tolerance
CRI	≥ 90 (white only)	
Lifetime	50,000 hours @ 25°C (50,000 hours @ 77°F)	
Operating temp	T _a = -25 to 50°C (T _c max = 80°C) T _a = -13 to 122°F (T _c max = 176°F)	
IP rating	IP40	
Finish	Silver anodised	
Cover/lens	Diffused	
Mounting	Surface mounting via concealed clips or cable raceway	
Power feed	Hardwire tails or male/female connectors	
Control	DMX/DALI	



LED Grading Key

Exclusive Grade

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

Base Grade

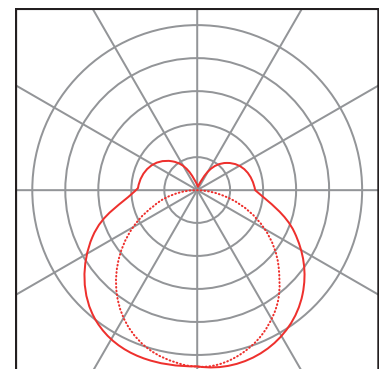
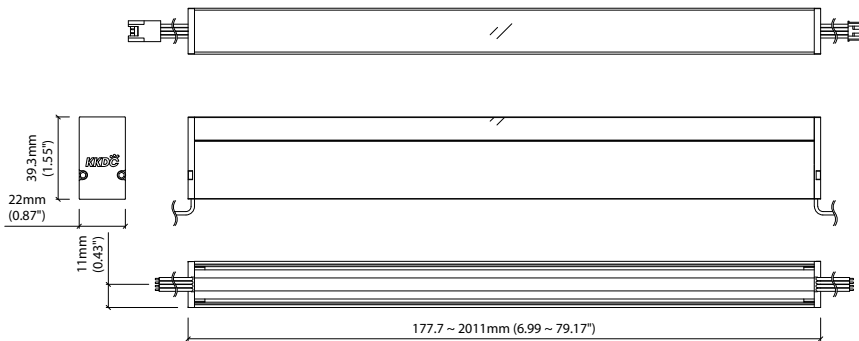
k k-line	3-step commercial range
	Energy Star CCTs

PERFORMANCE DATA @ 3000K + RGB

Power consumption	Supply voltage	Supply current
15.1W/m (4.6W/ft)	24 V DC	0.63A/m (0.19 A/ft)

Diffused Cover

s-line	450lm/m (137lm/ft) 30.1lm/W
k-line	370lm/m (113lm/ft) 24.7lm/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-M XL RGBW

Code Table



FIXTURE

Model	Finish	Cover	Grade ¹	LED	Colour (CCT)	Length Availability ²	IP	Cable Length	Power Feed ³	Input	
LiNi-M XL	GM Silver Anodised	SA Diffused U cover	0	s k	201	RGB+1900K 19	m 177.7-2011mm 166.7mm increments	IP40 40	300mm/11.81" 0300	Single no sheath tail S00X	DC 24V g
						RGB+2100K 21					
						RGB+2300K 23	i 6.99-79.17in 6.56in increments (Specify length code OR total run length)		Single no sheath IP20 connector S20X		
						RGB+2500K 25					
						RGB+2700K 27					
						RGB+3000K 30	Double no sheath IP20 connector D20X				
						RGB+3500K 35					
						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

⁴ LEDmix RGBW requires white colour choice

Code Example:

GM	-	SA	-	0	-	s	-	201	-	35	-	m	511	-	40	-	0300	-	D00X	-	g
LiNi-M XL		Silver Anodised		Diffused U cover				201		RGB+3500K		511.1mm		IP40		300mm/11.81"		Double no sheath tail		DC 24V	

ACCESSORIES

Mounting Accessories

KKCP-11	Concealed Clip
KKCR-01-1000	1000mm/39.37" Cable Raceway
KKCR-01-2000	2000mm/78.74" Cable Raceway
KKCR-01-3000	3000mm/118.11" Cable Raceway
KKJT-02	Joining Bar

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

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

* 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)

Colour	Output	LED	Lumen/m	Lumen/ft	W/m	W/ft	Spec Doc	Length	Increment
Single CCT	Max	040	2080	634	40	12.91	LiNi-M XL A040	88-1511mm (3.46-59.49in)	38.46mm (1.51in)
RGBW	Low	201	450	137	15.1	4.6	LiNi-M XL RGBW	177.7-2011mm (6.99-79.17in)	166.7mm (6.56in)

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

LiNi-M XL RGBW

Length Availability List

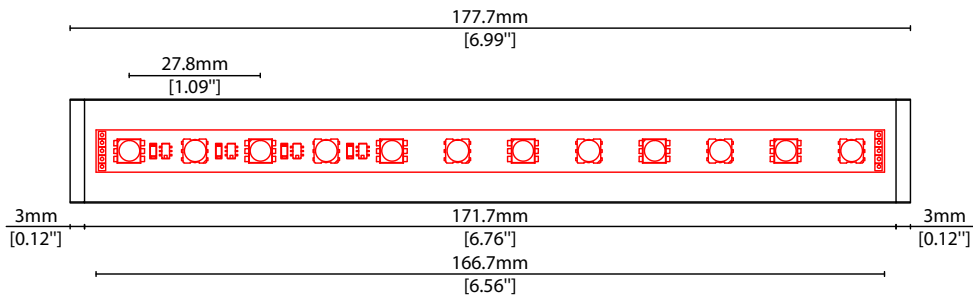


Length Code		Fixture Length ¹		LED Strip ²		End Cap Dimension ³		Wattage (W)	Output (lm)
Metric	Imperial(US)	Metric	Imperial(US)	Metric	Imperial(US)	Metric	Imperial(US)		MIX (Test Data)
m0178	i0007	178mm	6.99in	167mm	6.56in	6mm	0.24in	2.52	38
m0344	i0014	344mm	13.56in	333mm	13.12in	6mm	0.24in	5.03	76
m0511	i0020	511mm	20.12in	500mm	19.69in	6mm	0.24in	7.55	114
m0678	i0027	678mm	26.68in	667mm	26.25in	6mm	0.24in	10.07	152
m0844	i0033	844mm	33.24in	833mm	32.81in	6mm	0.24in	12.58	190
m1011	i0040	1011mm	39.80in	1000mm	39.37in	6mm	0.24in	15.10	228
m1178	i0046	1178mm	46.37in	1167mm	45.93in	6mm	0.24in	17.62	266
m1344	i0053	1344mm	52.93in	1333mm	52.49in	6mm	0.24in	20.13	304
m1511	i0059	1511mm	59.49in	1500mm	59.06in	6mm	0.24in	22.65	342
m1678	i0066	1678mm	66.05in	1667mm	65.62in	6mm	0.24in	25.17	380
m1844	i0073	1844mm	72.61in	1833mm	72.18in	6mm	0.24in	27.68	418
m2011	i0079	2011mm	79.17in	2000mm	78.74in	6mm	0.24in	30.20	456

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

² Actual length of PCB strip

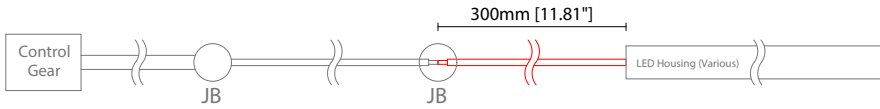
³ Actual length of 2x end caps



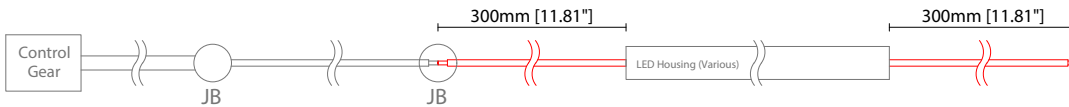
POWER FEED OPTIONS

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

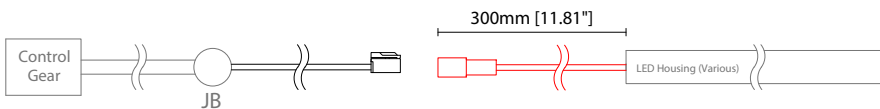
0300 S00X 300mm (11.81") Single no sheath tail



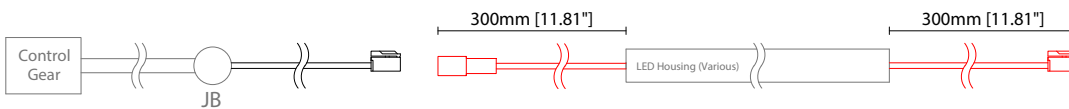
0300 D00X 300mm (11.81") Double no sheath tail



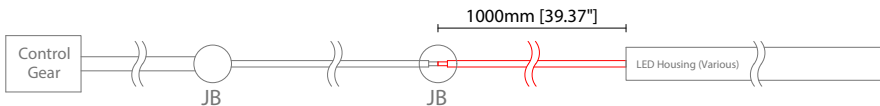
0300 S20X 300mm (11.81") Single no sheath IP20 connector



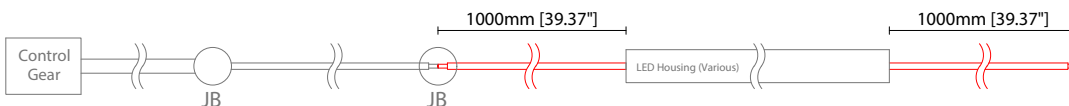
0300 D20X 300mm (11.81") Double no sheath IP20 connector



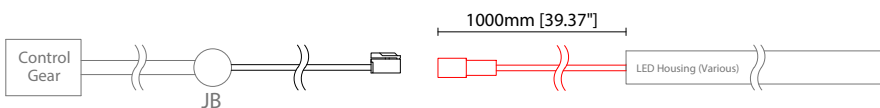
1000 S00X 1000mm (39.37") Single no sheath tail



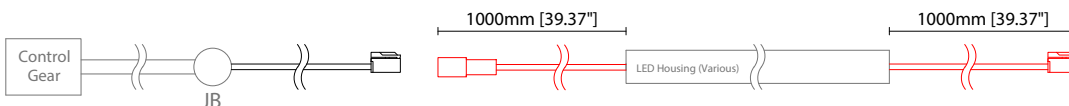
1000 D00X 1000mm (39.37") Double no sheath tail



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



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



Key

Control Gear Power supply, sub-controllers & control systems

JB Junction box / cable connection

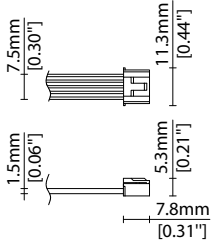
Linear

LiNi-M XL RGBW Options

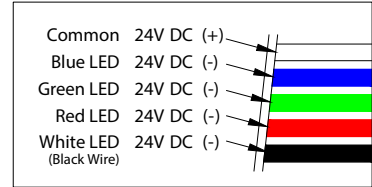
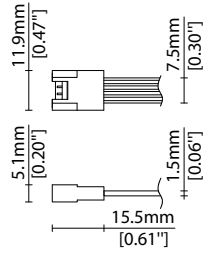


POWER FEED OPTIONS (CONTINUED)

5 Pin RGBW Female Connector



5 Pin RGBW Male Connector

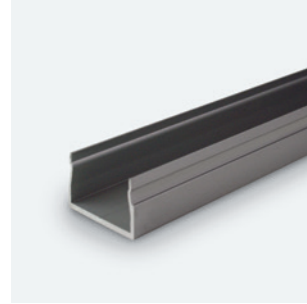
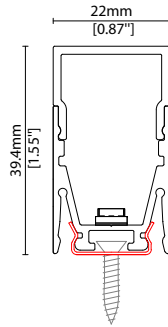


MOUNTING ACCESSORIES

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

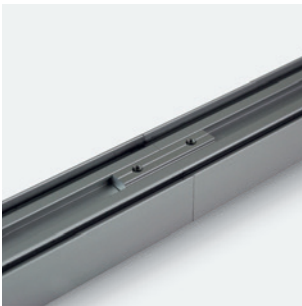
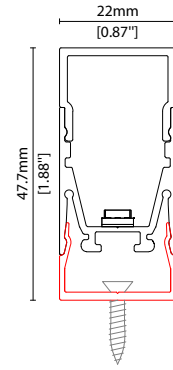


KKCP-11
Concealed clip
(allow 3 per metre/40in)
S/Steel finish
L20/W22/H39.3mm
(L0.79/W0.87/H1.55")

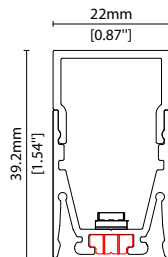


KKCR-01-1000 1000mm (39.37in)
KKCR-01-2000 2000mm (78.74in)
KKCR-01-3000 3000mm (118.11in)

Cable raceway*
Anodised aluminium finish
W22/H47.7mm (W0.87/H1.88")
* Cut & drilled to fit on site



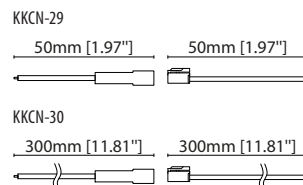
KKJT-02
Joining Bar* (allow 1 per join)
Anodised aluminium finish
L25mm (L0.98")
* Mounting option required with
Joining Bar



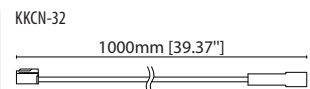
POWER FEED



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