

Linear

TIMI-C R020

Fixture Guide

KKDÖ

Indoor | Surface | Output up to 1844lm/m (562m/ft)

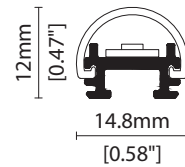


Key applications

- ✓ Architectural detail
- ✓ Backlighting & signage
- ✓ Cabinet & furniture
- ✓ Cove lighting
- ✓ Display case
- ✓ Hand rail
- ✓ Indirect lighting
- ✓ Interior
- ✓ Mirror back lighting
- ✓ Retail display
- ✓ Shelving display

Key features

- ✓ Adjustable
- ✓ Custom lengths
- ✓ Cuttable (IP20)
- ✓ Constant Voltage (CV)
- ✓ Diffusion: homogenous
- ✓ Extensive CCT range
- ✓ IP20 dry area
- ✓ Light on time (10 day delivery)



MOUNTING METHODS



TCFC-01 Clear plastic clip



TCMS-01 Magnetic fixing set

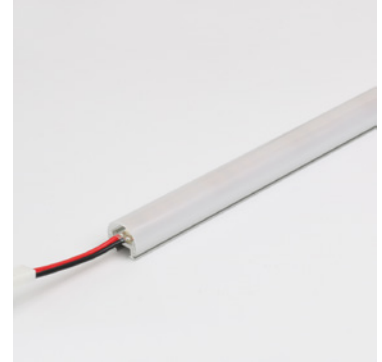
Linear

TIMI-C R020

Specification sheet



Dimensions	H12.1/W14.8/L83-2000mm (H0.48/W0.58/L3.26-78.74in)
PCB Cut-point	41.7mm increment/2000mm max (1.64in increment/78.74in max)
LED Pitch	6.95mm-144LED/m (0.27in - 44LED/ft)
Chip	s-line k-line
Cover/Optics	Clear (110°) / Diffused (125°)
CCT	s-line: 1900K/2100K/2300K/2500K/2700K/3000K/3500K/4000K/5000K k-line: 1900K/2100K/2300K/2500K/2700K/3000K/3500K/4000K/5000K
LED binning	s-line: 2-step MacAdam ellipse k-line: 3-step MacAdam ellipse
CRI	≥93
Lifetime	50,000 hours @ 25°C (50,000 hours @ 77°F)
Operating temp	T _a = -25 to 45°C (T _c max = 73.6°C) T _a = -13 to 113°F (T _c max = 164°F)
IP Rating	IP20
Finish	Silver anodised
Mounting	Surface mounting via clips or magnets
Power feed	Hardwire tails or male/female connectors
Control	0-10V/1-10V/DMX/DALI



LED Grading Key

Exclusive Grade

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

Base Grade

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

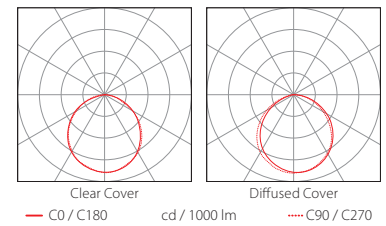
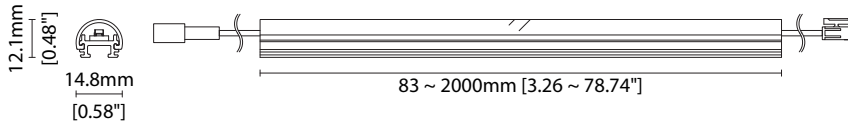
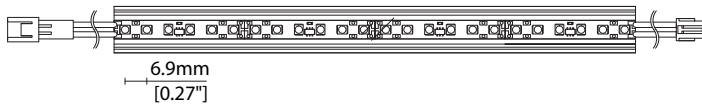
Power consumption	Supply voltage	Supply current
20W/m (6.10W/ft)	24V DC	0.83A/m (0.25A/ft)

Performance Data (3000K)

	R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14
k-line	92	96	97	90	91	94	91	82	61	90	90	74	93	98

	Clear Cover	Diffused Cover	CRI	R9	Rf	Rg
s-line	1844lm/m (562m/ft) 92lm/w	1590lm/m (485m/ft) 80lm/w	93	62	-	-
k-line	1740lm/m (530lm/ft) 87lm/w	1500lm/m (457m/ft) 75lm/w	92	61	-	-

Male/Female connector



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

FIXTURE

Model	Finish	Cover ¹		Grade ²		LED		Colour (CCT)		Length Availability ³		IP	Cable Length		Power Feed ⁴		Input
		TC	SA	Clear	B	s	s	R020	R020	1900K	19		m	91.4-2008mm 41.7mm increments	40	50mm (1.97in)	
				Diffused	C	k	k	2100K	21	i	3.60-79.06in 1.64in increments		300mm (11.81in)	0300	Double no sheath tail	D00X	
								2300K	23		(Specify length code OR total run length)				Single no sheath IP20 connector	S20X	
								2500K	25						Double no sheath IP20 connector	D20X	
								2700K	27								
								3000K	30								
								3500K	35								
								4000K	40								
								5000K	50								

¹ Refer to **Cover/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:

TC	-	SA	-	C	-	k	-	R020	-	35	-	m	508	-	40	-	0300	-	D20X	-	g
TIMI-C		Silver Anodised		Diffused		k		R020		3500K		508mm		IP40		300mm/11.81"		Double no sheath IP20 connector		DC 24V	

ACCESSORIES

Mounting Accessories

KKCP-22 Lock Clip (1no.)

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

Connection Accessories

KKCN-01 2 PIN male & female 50mm (1.97in) pair

KKCN-03 2 PIN male & female 300mm (11.81in) pair

KKCN-06 2 PIN 300mm (11.81in) 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	LED	Lumen/m	Lumen/ft	W/m	W/ft	Spec Doc	Length		Increment
							Length	Increment	
Single CCT	R007	697	213	7	2.13	TIMI-C R007	83-2000mm (3.26-78.74in)	41.7mm (1.64in)	
	A010	1330	405	10.0	3.05	TIMI-C A010	77-2000mm (3.03-78.74in)	38.46mm (1.51in)	
	R014	1410	430	14	4.27	TIMI-C R014	83-2000mm (3.26-78.74in)	41.7mm (1.64in)	
	R020	1844	562	20	6.10	TIMI-C R020	83-2000mm (3.26-78.74in)	41.7mm (1.64in)	
Warm Dim/Dynamic White	A020	2660	810	20.0	6.10	TIMI-C A020	77-2000mm (3.03-78.74in)	38.46mm (1.51in)	
	R207	1459	445	16	4.88	TIMI-C R207	83-2000mm (3.26-78.74in)	41.7mm (1.64in)	

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

Linear

TIMI-C R020

Length Availability List



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)		3000K (Test Data)
m0083	i0003	83mm	3.28in	83mm	3.28in	N/A	N/A	1.67	145
m0125	i0005	125mm	4.92in	125mm	4.92in	N/A	N/A	2.50	217
m0167	i0007	167mm	6.56in	167mm	6.56in	N/A	N/A	3.33	290
m0208	i0008	208mm	8.20in	208mm	8.20in	N/A	N/A	4.17	362
m0250	i0010	250mm	9.84in	250mm	9.84in	N/A	N/A	5.00	435
m0292	i0011	292mm	11.48in	292mm	11.48in	N/A	N/A	5.83	507
m0333	i0013	333mm	13.12in	333mm	13.12in	N/A	N/A	6.67	580
m0375	i0015	375mm	14.76in	375mm	14.76in	N/A	N/A	7.50	652
m0417	i0016	417mm	16.40in	417mm	16.40in	N/A	N/A	8.33	725
m0458	i0018	458mm	18.04in	458mm	18.04in	N/A	N/A	9.17	797
m0500	i0020	500mm	19.69in	500mm	19.69in	N/A	N/A	10.00	870
m0542	i0021	542mm	21.33in	542mm	21.33in	N/A	N/A	10.83	942
m0583	i0023	583mm	22.97in	583mm	22.97in	N/A	N/A	11.67	1015
m0625	i0025	625mm	24.61in	625mm	24.61in	N/A	N/A	12.50	1087
m0667	i0026	667mm	26.25in	667mm	26.25in	N/A	N/A	13.33	1160
m0708	i0028	708mm	27.89in	708mm	27.89in	N/A	N/A	14.17	1232
m0750	i0030	750mm	29.53in	750mm	29.53in	N/A	N/A	15.00	1305
m0792	i0031	792mm	31.17in	792mm	31.17in	N/A	N/A	15.83	1377
m0833	i0033	833mm	32.81in	833mm	32.81in	N/A	N/A	16.67	1450
m0875	i0034	875mm	34.45in	875mm	34.45in	N/A	N/A	17.50	1522
m0917	i0036	917mm	36.09in	917mm	36.09in	N/A	N/A	18.33	1595
m0958	i0038	958mm	37.73in	958mm	37.73in	N/A	N/A	19.17	1667
m1000	i0039	1000mm	39.37in	1000mm	39.37in	N/A	N/A	20.00	1740
m1042	i0041	1042mm	41.01in	1042mm	41.01in	N/A	N/A	20.83	1812
m1083	i0043	1083mm	42.65in	1083mm	42.65in	N/A	N/A	21.67	1885
m1125	i0044	1125mm	44.29in	1125mm	44.29in	N/A	N/A	22.50	1957
m1167	i0046	1167mm	45.93in	1167mm	45.93in	N/A	N/A	23.33	2030
m1208	i0048	1208mm	47.57in	1208mm	47.57in	N/A	N/A	24.17	2102
m1250	i0049	1250mm	49.21in	1250mm	49.21in	N/A	N/A	25.00	2175
m1292	i0051	1292mm	50.85in	1292mm	50.85in	N/A	N/A	25.83	2247
m1333	i0052	1333mm	52.49in	1333mm	52.49in	N/A	N/A	26.67	2320
m1375	i0054	1375mm	54.13in	1375mm	54.13in	N/A	N/A	27.50	2392
m1417	i0056	1417mm	55.77in	1417mm	55.77in	N/A	N/A	28.33	2465
m1458	i0057	1458mm	57.41in	1458mm	57.41in	N/A	N/A	29.17	2537
m1500	i0059	1500mm	59.06in	1500mm	59.06in	N/A	N/A	30.00	2610
m1542	i0061	1542mm	60.70in	1542mm	60.70in	N/A	N/A	30.83	2682
m1583	i0062	1583mm	62.34in	1583mm	62.34in	N/A	N/A	31.67	2755
m1625	i0064	1625mm	63.98in	1625mm	63.98in	N/A	N/A	32.50	2827
m1667	i0066	1667mm	65.62in	1667mm	65.62in	N/A	N/A	33.33	2900
m1708	i0067	1708mm	67.26in	1708mm	67.26in	N/A	N/A	34.17	2972
m1750	i0069	1750mm	68.90in	1750mm	68.90in	N/A	N/A	35.00	3045
m1792	i0071	1792mm	70.54in	1792mm	70.54in	N/A	N/A	35.83	3117
m1833	i0072	1833mm	72.18in	1833mm	72.18in	N/A	N/A	36.67	3190

TIMI-C R020

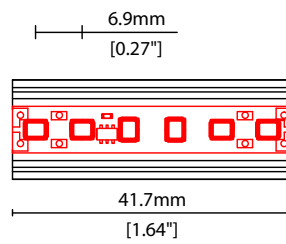
Length Availability List

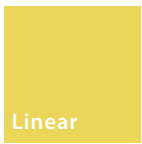


Length Code		Fixture Length ¹		LED Strip ²		End Cap Dimension		Wattage (W)	Output (lm)
Metric	Imperial(US)	Metric	Imperial(US)	Metric	Imperial(US)	Metric	Imperial(US)		3000K (Test Data)
m1875	i0074	1875mm	73.82in	1875mm	73.82in	N/A	N/A	37.50	3262
m1917	i0075	1917mm	75.46in	1917mm	75.46in	N/A	N/A	38.33	3335
m1958	i0077	1958mm	77.10in	1958mm	77.10in	N/A	N/A	39.17	3407
m2000	i0079	2000mm	78.74in	2000mm	78.74in	N/A	N/A	40.00	3480

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

² Actual length of PCB strip





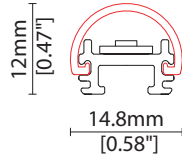
TIMI-C R020

Options

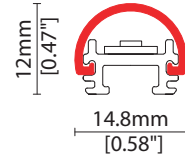
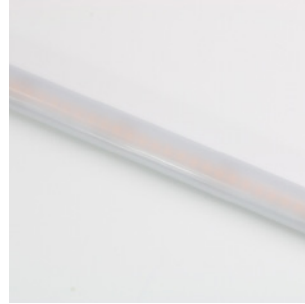


COVER OPTIONS

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



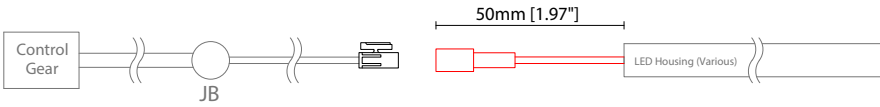
B Clear cover
W14.8/H12mm (W0.58/H0.47")



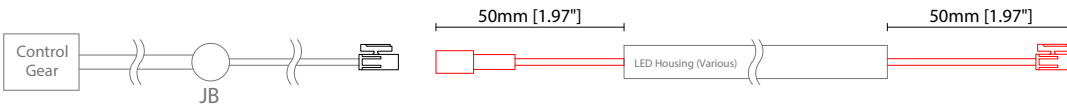
C Diffused cover
Polycarbonate finish
W14.8/H12mm (W0.58/H0.47")

POWER FEED OPTIONS

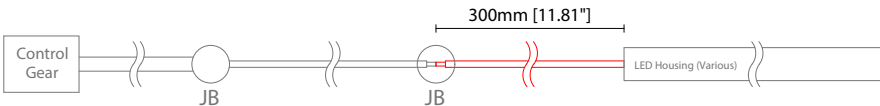
0050 S20X 50mm (1.97") Single no sheath IP20 connector



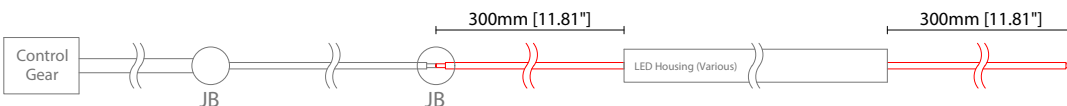
0050 D20X 50mm (1.97") Double no sheath IP20 connector



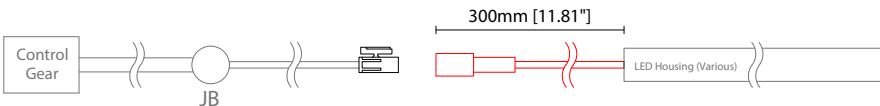
0300 S00X 300mm (11.81") Single no sheath tail



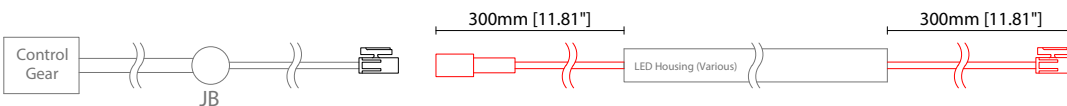
0300 D00X 300mm (11.81") Double no sheath tail



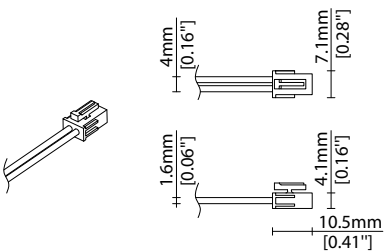
0300 S20X 300mm (11.81") Single no sheath IP20 connector



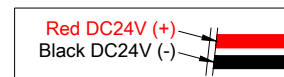
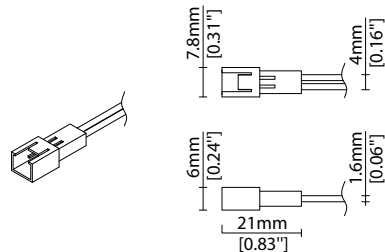
0300 D20X 300mm (11.81") Double no sheath IP20 connector



2 Pin Female Connector



2 Pin Male Connector



Key

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

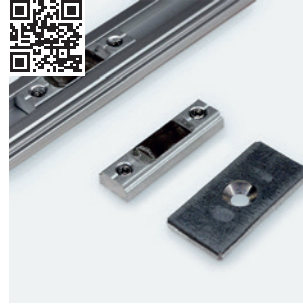
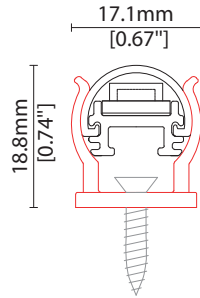
MOUNTING ACCESSORIES

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



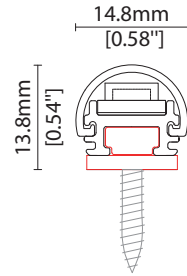
TCFC-01

Clip (allow 4 per Metre/39.4in)
Clear plastic finish
L20/W17.1/H18.8mm
(0.79/W0.67/H0.74")

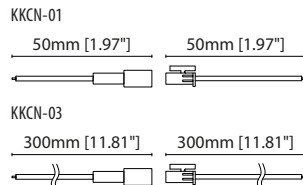
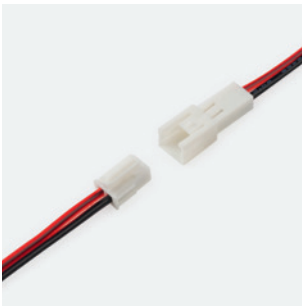


TCMS-01

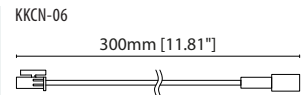
Magnet fixing set
(allow 4 per Metre/39.4in)
Aluminium/Steel finish
L30/W14.8/H13.8mm
(L1.18/W0.58/H0.54")



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)

Linear

TIMI-C R020

Accessories

KKDC

KKDC CONTROL (CONTINUED)



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