

Linear

TIMI-C R020

Fixture Guide

KKDÖ

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

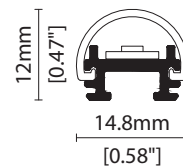


Key applications

- ✓ 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: semi-homogenous
- ✓ Extensive CCT range
- ✓ IP20 dry area
- ✓ Light on time (10 day delivery)



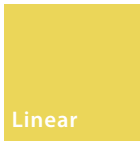
MOUNTING METHODS



TCFC-01 Clear plastic clip



TCMS-01 Magnetic fixing set



TIMI-C R020

Specification sheet



Dimensions	H12.1/W14.8/L95-2012mm (H0.48/W0.58/L3.74-79.21in)
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

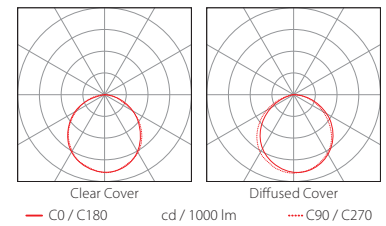
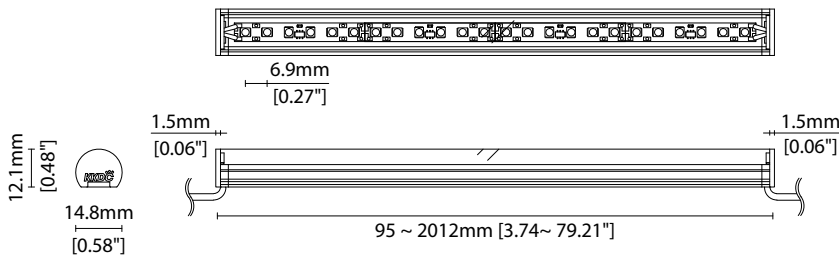
Power consumption	Supply voltage	Supply current
20W/m (6.10W/ft)	24V DC	0.83A/m (0.25A/ft)

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 (562lm/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	20	50mm (1.97in)		0050	Single no sheath tail
TIMI-C	Silver Anodised	SA	Diffused	C	k	k	R020	R020	2100K	21	i	3.60-79.06in 1.64in increments	20	300mm (11.81in)	0300	Double no sheath tail	D00X		
									2300K	23									
									2500K	25									
									2700K	27									
									3000K	30									
									3500K	35									
									4000K	40									
5000K	50	(Specify length code OR total run length)	Single no sheath IP20 connector	S20X															
																		DC 24V	g

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	-	20	-	0300	-	D20X	-	g
TIMI-C		Silver Anodised		Diffused		k		R020		3500K		508mm		IP20		300mm/11.81"		0300		Double no sheath IP20 connector		DC 24V

ACCESSORIES

Mounting Accessories

TCFC-01	Clip
TCMS-01	Magnetic Fixing Set

* 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
Single CCT	R007	697	213	7	2.13	TIMI-C R007	95-2012mm (3.74-79.21in)	41.7mm (1.64in)
	A010	1330	405	10	3.05	TIMI-C A010	89-2012mm (3.50-79.21in)	38.46mm (1.51in)
	R014	1410	430	14	4.27	TIMI-C R014	95-2012mm (3.74-79.21in)	41.7mm (1.64in)
	R020	1844	562	20	6.10	TIMI-C R020	95-2012mm (3.74-79.21in)	41.7mm (1.64in)
Warm Dim/Dynamic White	A020	2660	810	20	6.10	TIMI-C A020	89-2012mm (3.50-79.21in)	38.46mm (1.51in)
	R207	1459	44	16	4.88	TIMI-C R207	95-2012mm (3.74-79.21in)	83.3mm (3.28in)

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

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)
m0095	i0004	95mm	3.75in	83mm	3.28in	2mm	0.08in	1.67	145
m0137	i0005	137mm	5.39in	125mm	4.92in	2mm	0.08in	2.50	217
m0179	i0007	179mm	7.03in	167mm	6.56in	2mm	0.08in	3.33	290
m0220	i0009	220mm	8.67in	208mm	8.20in	2mm	0.08in	4.17	362
m0262	i0010	262mm	10.31in	250mm	9.84in	2mm	0.08in	5.00	435
m0304	i0012	304mm	11.96in	292mm	11.48in	2mm	0.08in	5.83	507
m0345	i0014	345mm	13.60in	333mm	13.12in	2mm	0.08in	6.67	580
m0387	i0015	387mm	15.24in	375mm	14.76in	2mm	0.08in	7.50	652
m0429	i0017	429mm	16.88in	417mm	16.40in	2mm	0.08in	8.33	725
m0470	i0019	470mm	18.52in	458mm	18.04in	2mm	0.08in	9.17	797
m0512	i0020	512mm	20.16in	500mm	19.69in	2mm	0.08in	10.00	870
m0554	i0022	554mm	21.80in	542mm	21.33in	2mm	0.08in	10.83	942
m0595	i0023	595mm	23.44in	583mm	22.97in	2mm	0.08in	11.67	1015
m0637	i0025	637mm	25.08in	625mm	24.61in	2mm	0.08in	12.50	1087
m0679	i0027	679mm	26.72in	667mm	26.25in	2mm	0.08in	13.33	1160
m0720	i0028	720mm	28.36in	708mm	27.89in	2mm	0.08in	14.17	1232
m0762	i0030	762mm	30.00in	750mm	29.53in	2mm	0.08in	15.00	1305
m0804	i0032	804mm	31.64in	792mm	31.17in	2mm	0.08in	15.83	1377
m0845	i0033	845mm	33.28in	833mm	32.81in	2mm	0.08in	16.67	1450
m0887	i0035	887mm	34.92in	875mm	34.45in	2mm	0.08in	17.50	1522
m0929	i0037	929mm	36.56in	917mm	36.09in	2mm	0.08in	18.33	1595
m0970	i0038	970mm	38.20in	958mm	37.73in	2mm	0.08in	19.17	1667
m1012	i0040	1012mm	39.84in	1000mm	39.37in	2mm	0.08in	20.00	1740
m1054	i0041	1054mm	41.48in	1042mm	41.01in	2mm	0.08in	20.83	1812
m1095	i0043	1095mm	43.12in	1083mm	42.65in	2mm	0.08in	21.67	1885
m1137	i0045	1137mm	44.76in	1125mm	44.29in	2mm	0.08in	22.50	1957
m1179	i0046	1179mm	46.40in	1167mm	45.93in	2mm	0.08in	23.33	2030
m1220	i0048	1220mm	48.04in	1208mm	47.57in	2mm	0.08in	24.17	2102
m1262	i0050	1262mm	49.69in	1250mm	49.21in	2mm	0.08in	25.00	2175
m1304	i0051	1304mm	51.33in	1292mm	50.85in	2mm	0.08in	25.83	2247
m1345	i0053	1345mm	52.97in	1333mm	52.49in	2mm	0.08in	26.67	2320
m1387	i0055	1387mm	54.61in	1375mm	54.13in	2mm	0.08in	27.50	2392
m1429	i0056	1429mm	56.25in	1417mm	55.77in	2mm	0.08in	28.33	2465
m1470	i0058	1470mm	57.89in	1458mm	57.41in	2mm	0.08in	29.17	2537
m1512	i0060	1512mm	59.53in	1500mm	59.06in	2mm	0.08in	30.00	2610
m1554	i0061	1554mm	61.17in	1542mm	60.70in	2mm	0.08in	30.83	2682
m1595	i0063	1595mm	62.81in	1583mm	62.34in	2mm	0.08in	31.67	2755
m1637	i0064	1637mm	64.45in	1625mm	63.98in	2mm	0.08in	32.50	2827
m1679	i0066	1679mm	66.09in	1667mm	65.62in	2mm	0.08in	33.33	2900
m1720	i0068	1720mm	67.73in	1708mm	67.26in	2mm	0.08in	34.17	2972
m1762	i0069	1762mm	69.37in	1750mm	68.90in	2mm	0.08in	35.00	3045
m1804	i0071	1804mm	71.01in	1792mm	70.54in	2mm	0.08in	35.83	3117
m1845	i0073	1845mm	72.65in	1833mm	72.18in	2mm	0.08in	36.67	3190

TIMI-C R020

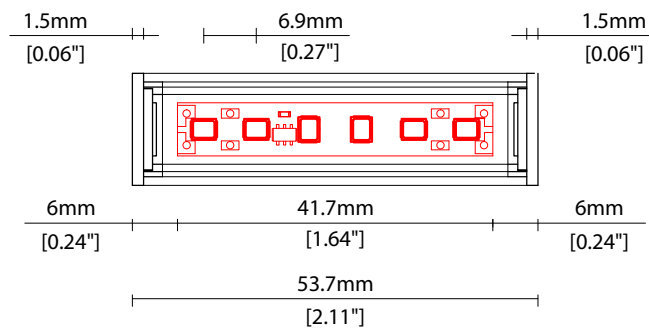
Length Availability List



Length Code		Fixture Length ¹		LED Strip ²		End Cap Dimension		Wattage (W)	Output (lm) 3000K (Test Data)
Metric	Imperial(US)	Metric	Imperial(US)	Metric	Imperial(US)	Metric	Imperial(US)		
m1887	i0074	1887mm	74.29in	1875mm	73.82in	2mm	0.08in	37.50	3262
m1929	i0076	1929mm	75.93in	1917mm	75.46in	2mm	0.08in	38.33	3335
m1970	i0078	1970mm	77.57in	1958mm	77.10in	2mm	0.08in	39.17	3407
m2012	i0079	2012mm	79.21in	2000mm	78.74in	2mm	0.08in	40.00	3480

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

² Actual length of PCB strip



Linear

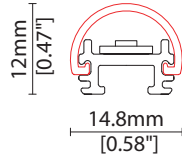
TIMI-C R020

Options

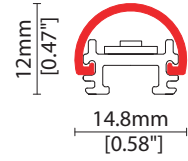
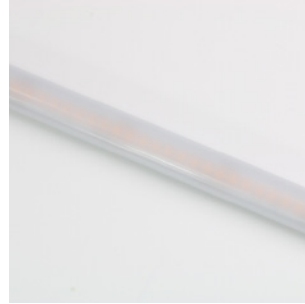
KKDC

COVER OPTIONS

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



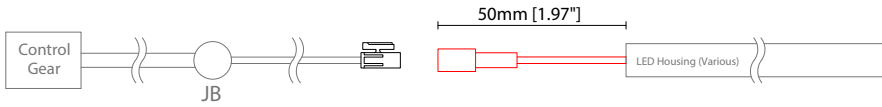
B Clear cover
W14.8/H12mm (W0.58/H0.47")



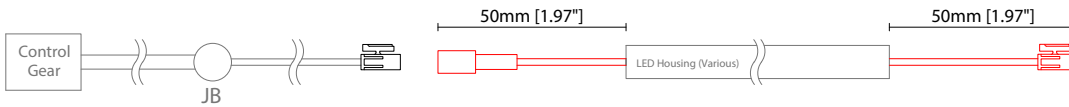
C Diffused cover
Polycarbonate finish
W14.8/H12mm (W0.58/H0.47")

POWER FEED OPTIONS

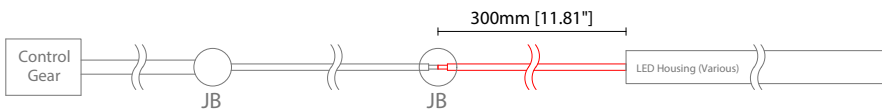
0050 S20X 50mm (1.97") Single no sheath IP20 connector



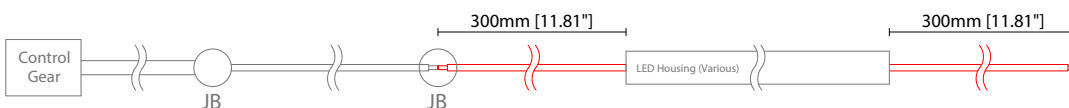
0050 D20X 50mm (1.97") Double no sheath IP20 connector



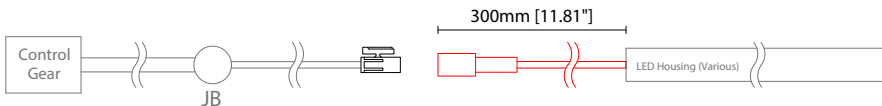
0300 S00X 300mm (11.81") Single no sheath tail



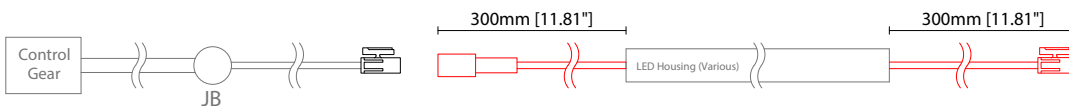
0300 D00X 300mm (11.81") Double no sheath tail



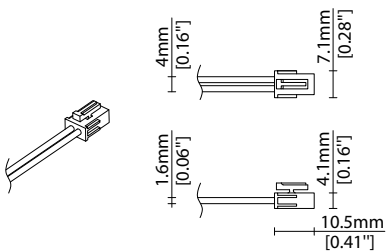
0300 S20X 300mm (11.81") Single no sheath IP20 connector



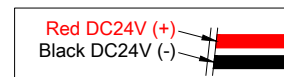
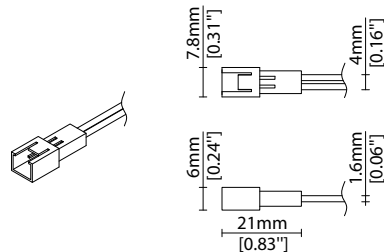
0300 D20X 300mm (11.81") Double no sheath IP20 connector



2 Pin Female Connector



2 Pin Male Connector



Key

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

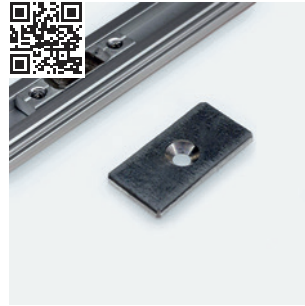
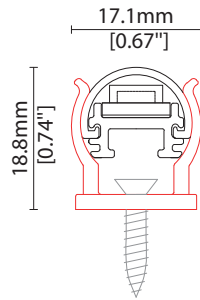
MOUNTING ACCESSORIES

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



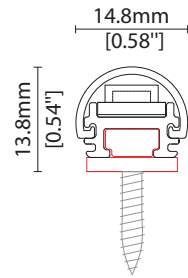
TCFC-01

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

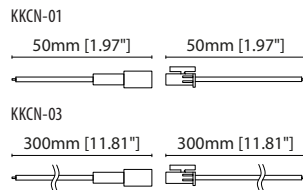
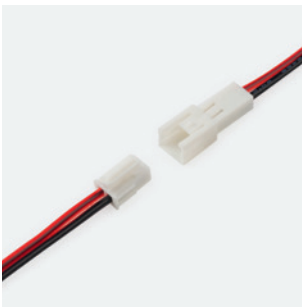


TCMS-01

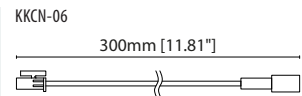
Magnet fixing set
(allow 4 per Metre/39.4in)
Aluminium/Steel finish
Pre-assembled in factory
L30/W14.8/H13.8mm
(L1.18/W0.58/H0.54")



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

Linear

TIMI-C R020

Accessories

KKDÖ

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)



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

KKDL-04 DALI-2
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-02/03/04/visDIM PRO 30	90-295V	24V	2.5A	60W	100-0.1	IP67/IP20
	HLG-60H-24	KKDL-02/03/04/visDIM PRO 30	90-305V	24V	2.5A	60W	100-0.1	IP67/IP20
	HLG-100H-24	KKDL-02/03/04/visDIM PRO 30	90-305V	24V	4.0A	100W	100-0.1	IP67/IP20
	HLG-150H-24	KKDL-02/03/04/visDIM PRO 30	90-305V	24V	6.3A	150W	100-0.1	IP67/IP20
	HLG-240H-24	KKDL-02/03/04/visDIM PRO 30	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