

Linear

TIMI-C A020 (20W)

Fixture Guide

KKDC

Indoor | Surface | Output up to 2660lm/m (810lm/ft)

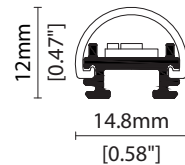


Key applications

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

Key features

- ✓ A-line (High Efficacy)
- ✓ Adjustable
- ✓ Custom lengths
- ✓ Cutable (IP20)
- ✓ Constant Voltage (CV)
- ✓ Diffusion: homogenous
- ✓ High lumen efficacy
- ✓ IP20 dry area



MOUNTING METHODS



TCFC-01 Clear plastic clip



TCMS-01 Magnetic fixing set

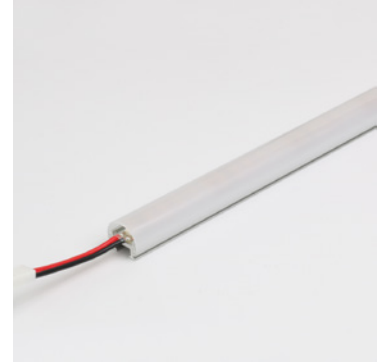
Linear

TIMI-C A020 (20W)

Specification sheet



Dimensions	H12.1/W14.8/L77-2000mm (H0.48/W0.58/L3.03-78.74in)
PCB Cut-point	38.46mm increment/2000mm max (1.51in increment/78.74in max)
LED Pitch	4.8mm - 208LED/m (0.19in - 64LED/ft)
Chip	A-line
Cover/Optics	Clear (110°) / Diffused (125°)
CCT	A-line: 2700K/3000K/4000K
LED binning	A-line: 3-step MacAdam ellipse
CRI	≥94
Lifetime	50,000 hours @ 25°C (50,000 hours @ 77°F)
Operating temp	T _a = -25 to 50°C (T _C max = 71.1°C) T _a = -13 to 122°F (T _C max = 160°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

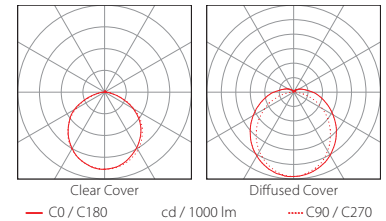
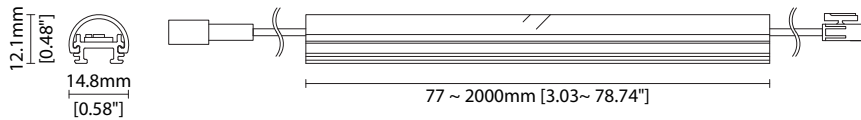
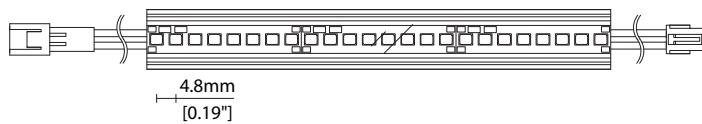
Exclusive Grade *KKDC tuned CCT range
A-line* 3-step CCT range
 KKDC highest lumen efficacy LED

Power consumption	Supply voltage	Supply current
20W/m (6.1W/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				
A-line	94	98	99	93	94	97	92	83	62	94	94	78	96	100				
	Clear Cover											Diffused Cover			CRI	R9	Rf	Rg
A-line	2660lm/m (810lm/ft) 133lm/w											2320lm/m (707lm/ft) 116lm/w			94	62	-	-

Male/Female connector



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

TIMI-C A020 (20W)

Code Table



FIXTURE

Model	Finish	Cover/Lens ¹	Grade ²	LED	Colour (CCT)	Length Availability ³	IP	Cable Length	Power Feed ⁴	Input
TIMI-C	TC	Silver Anodised SA	Clear B Diffused C	A- A	A020 020	2700K 27 3000K 30 4000K 40 m 77-2000mm 38.5mm increments i 3.03-78.74in 1.51in increments (Specify length code OR total run length)	IP20 20	50mm (1.97in) 0050 300mm (11.81in) 0300	Single no sheath tail S00X Double no sheath tail D00X Single no sheath IP20 connector S20X Double no sheath IP20 connector D20X	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	-	B	-	A-	-	020	-	30	-	m	-	500	-	20	-	0050	-	D20X	-	g
TIMI-C		Silver Anodised		Clear		A-		A020		3000K		500mm		IP20		50mm (1.97in)		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	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)
	A020	2660	810	20.0	6.10	TIMI-C A020	77-2000mm (3.03-78.74in)	38.46mm (1.51in)
Warm Dim/Dynamic White	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 A020 (20W)

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)
m0077	i0003	77mm	3.03in	77mm	3.03in	N/A	N/A	1.54	205
m0115	i0005	115mm	4.54in	115mm	4.54in	N/A	N/A	2.31	307
m0154	i0006	154mm	6.06in	154mm	6.06in	N/A	N/A	3.08	409
m0192	i0008	192mm	7.57in	192mm	7.57in	N/A	N/A	3.85	512
m0231	i0009	231mm	9.09in	231mm	9.09in	N/A	N/A	4.62	614
m0269	i0011	269mm	10.60in	269mm	10.60in	N/A	N/A	5.38	716
m0308	i0012	308mm	12.11in	308mm	12.11in	N/A	N/A	6.15	818
m0346	i0014	346mm	13.63in	346mm	13.63in	N/A	N/A	6.92	921
m0385	i0015	385mm	15.14in	385mm	15.14in	N/A	N/A	7.69	1023
m0423	i0017	423mm	16.66in	423mm	16.66in	N/A	N/A	8.46	1125
m0462	i0018	462mm	18.17in	462mm	18.17in	N/A	N/A	9.23	1228
m0500	i0020	500mm	19.69in	500mm	19.69in	N/A	N/A	10.00	1330
m0538	i0021	538mm	21.20in	538mm	21.20in	N/A	N/A	10.77	1432
m0577	i0023	577mm	22.71in	577mm	22.71in	N/A	N/A	11.54	1535
m0615	i0024	615mm	24.23in	615mm	24.23in	N/A	N/A	12.31	1637
m0654	i0026	654mm	25.74in	654mm	25.74in	N/A	N/A	13.08	1739
m0692	i0027	692mm	27.26in	692mm	27.26in	N/A	N/A	13.85	1842
m0731	i0029	731mm	28.77in	731mm	28.77in	N/A	N/A	14.62	1944
m0769	i0030	769mm	30.28in	769mm	30.28in	N/A	N/A	15.38	2046
m0808	i0032	808mm	31.80in	808mm	31.80in	N/A	N/A	16.15	2148
m0846	i0033	846mm	33.31in	846mm	33.31in	N/A	N/A	16.92	2251
m0885	i0035	885mm	34.83in	885mm	34.83in	N/A	N/A	17.69	2353
m0923	i0036	923mm	36.34in	923mm	36.34in	N/A	N/A	18.46	2455
m0962	i0038	962mm	37.86in	962mm	37.86in	N/A	N/A	19.23	2558
m1000	i0039	1000mm	39.37in	1000mm	39.37in	N/A	N/A	20.00	2660
m1038	i0041	1038mm	40.88in	1038mm	40.88in	N/A	N/A	20.77	2762
m1077	i0042	1077mm	42.40in	1077mm	42.40in	N/A	N/A	21.54	2865
m1115	i0044	1115mm	43.91in	1115mm	43.91in	N/A	N/A	22.31	2967
m1154	i0045	1154mm	45.43in	1154mm	45.43in	N/A	N/A	23.08	3069
m1192	i0047	1192mm	46.94in	1192mm	46.94in	N/A	N/A	23.85	3172
m1231	i0048	1231mm	48.46in	1231mm	48.46in	N/A	N/A	24.62	3274
m1269	i0050	1269mm	49.97in	1269mm	49.97in	N/A	N/A	25.38	3376
m1308	i0051	1308mm	51.48in	1308mm	51.48in	N/A	N/A	26.15	3478
m1346	i0053	1346mm	53.00in	1346mm	53.00in	N/A	N/A	26.92	3581
m1385	i0055	1385mm	54.51in	1385mm	54.51in	N/A	N/A	27.69	3683
m1423	i0056	1423mm	56.03in	1423mm	56.03in	N/A	N/A	28.46	3785
m1462	i0058	1462mm	57.54in	1462mm	57.54in	N/A	N/A	29.23	3888
m1500	i0059	1500mm	59.06in	1500mm	59.06in	N/A	N/A	30.00	3990
m1538	i0061	1538mm	60.57in	1538mm	60.57in	N/A	N/A	30.77	4092
m1577	i0062	1577mm	62.08in	1577mm	62.08in	N/A	N/A	31.54	4195
m1615	i0064	1615mm	63.60in	1615mm	63.60in	N/A	N/A	32.31	4297
m1654	i0065	1654mm	65.11in	1654mm	65.11in	N/A	N/A	33.08	4399
m1692	i0067	1692mm	66.63in	1692mm	66.63in	N/A	N/A	33.85	4502

Linear

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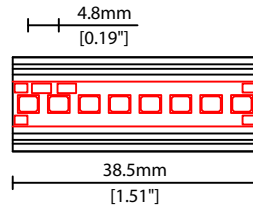
Length Availability List



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)
m1731	i0068	1731mm	68.14in	1731mm	68.14in	N/A	N/A	34.62	4604
m1769	i0070	1769mm	69.65in	1769mm	69.65in	N/A	N/A	35.38	4706
m1808	i0071	1808mm	71.17in	1808mm	71.17in	N/A	N/A	36.15	4808
m1846	i0073	1846mm	72.68in	1846mm	72.68in	N/A	N/A	36.92	4911
m1885	i0074	1885mm	74.20in	1885mm	74.20in	N/A	N/A	37.69	5013
m1923	i0076	1923mm	75.71in	1923mm	75.71in	N/A	N/A	38.46	5115
m1962	i0077	1962mm	77.23in	1962mm	77.23in	N/A	N/A	39.23	5218
m2000	i0079	2000mm	78.74in	2000mm	78.74in	N/A	N/A	40.00	5320

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

² Actual length of PCB strip



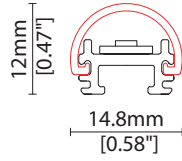
Linear

TIMI-C A020 (20W) Options

KKDC

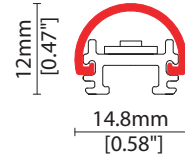
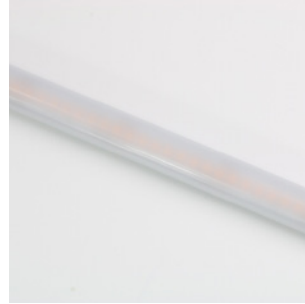
COVER OPTIONS

* 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")



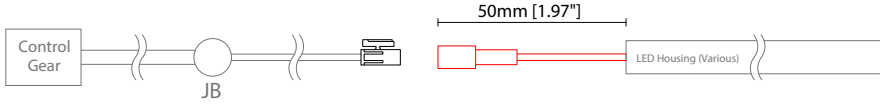
C Diffused cover

Polycarbonate finish

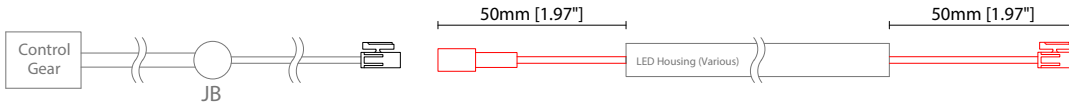
W14.8/H12mm (W0.58/H0.47")

POWER FEED OPTIONS

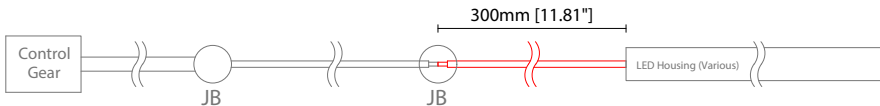
0050 S20X 50mm (1.97") Single no sheath IP20 connector



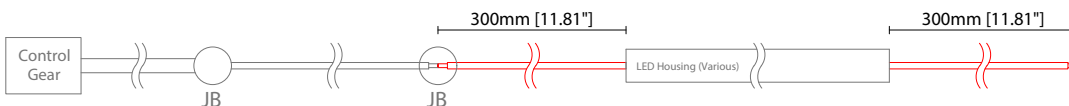
0050 D20X 50mm (1.97") Double no sheath IP20 connector



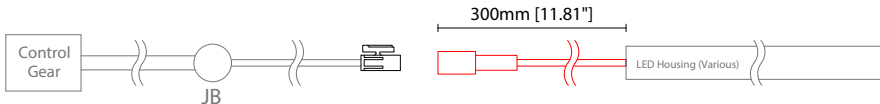
0300 S00X 300mm (11.81") Single no sheath tail



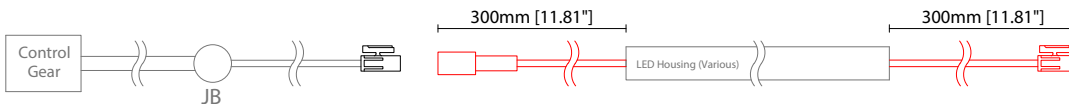
0300 D00X 300mm (11.81") Double no sheath tail



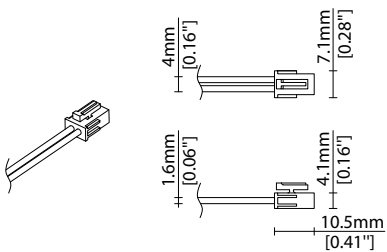
0300 S20X 300mm (11.81") Single no sheath IP20 connector



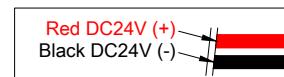
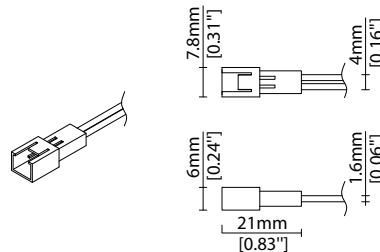
0300 D20X 300mm (11.81") Double no sheath IP20 connector



2 Pin Female Connector



2 Pin Male Connector



Key

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

Linear

TIMI-C A020 (20W) Accessories

KKDC

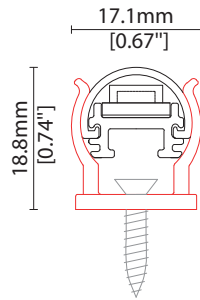
MOUNTING ACCESSORIES

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



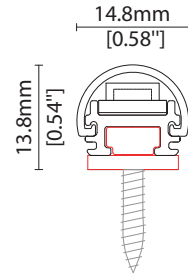
TCFC-01

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

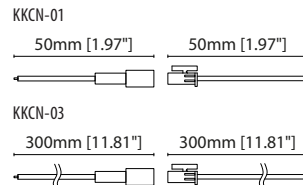
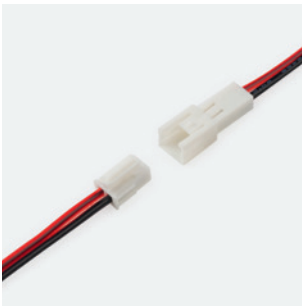


TCMS-01

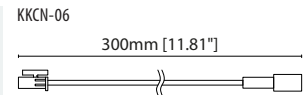
Magnet fixing set
(allow 4 per Metre/39.4in)
Aluminium/Steel finish
L30/W14.8/H13.8mm
(L1.18/W0.58/H0.54")



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 A020 (20W) 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