

Linear

TIMI-C A020 (20W)

Fixture Guide

KKDÖ

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

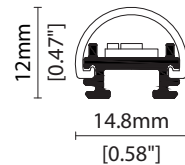


Key applications

- ✓ 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/L89-2012mm (H0.48/W0.58/L3.50-79.21in)
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/3500K/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

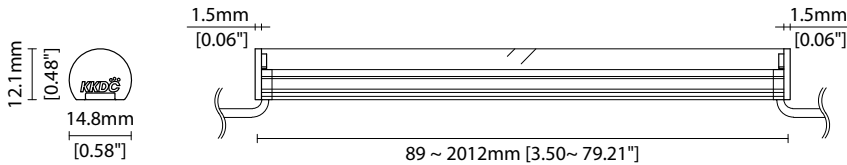
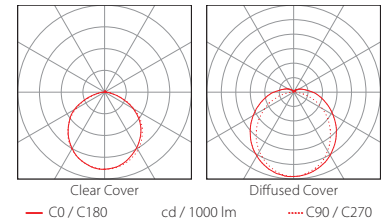
Power consumption	Supply voltage	Supply current
20W/m (6.1W/ft)	24V DC	0.83A/m (0.25A/ft)

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 3500K 35 4000K 40 (Specify length code OR total run length)	m 89-2012mm 38.46mm increments i 3.50-79.21in 1.51in increments	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	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)
	A020	2660	810	20	6.10	TIMI-C A020	89-2012mm (3.50-79.21in)	38.46mm (1.51in)
Warm Dim/Dynamic White	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

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)
m0089	i0004	89mm	3.50in	77mm	3.03in	2mm	0.08in	1.54	205
m0127	i0005	127mm	5.02in	115mm	4.54in	2mm	0.08in	2.31	307
m0166	i0007	166mm	6.53in	154mm	6.06in	2mm	0.08in	3.08	409
m0204	i0008	204mm	8.04in	192mm	7.57in	2mm	0.08in	3.85	512
m0243	i0010	243mm	9.56in	231mm	9.09in	2mm	0.08in	4.62	614
m0281	i0011	281mm	11.07in	269mm	10.60in	2mm	0.08in	5.38	716
m0320	i0013	320mm	12.59in	308mm	12.11in	2mm	0.08in	6.15	818
m0358	i0014	358mm	14.10in	346mm	13.63in	2mm	0.08in	6.92	921
m0397	i0016	397mm	15.61in	385mm	15.14in	2mm	0.08in	7.69	1023
m0435	i0017	435mm	17.13in	423mm	16.66in	2mm	0.08in	8.46	1125
m0474	i0019	474mm	18.64in	462mm	18.17in	2mm	0.08in	9.23	1228
m0512	i0020	512mm	20.16in	500mm	19.69in	2mm	0.08in	10.00	1330
m0550	i0022	550mm	21.67in	538mm	21.20in	2mm	0.08in	10.77	1432
m0589	i0023	589mm	23.19in	577mm	22.71in	2mm	0.08in	11.54	1535
m0627	i0025	627mm	24.70in	615mm	24.23in	2mm	0.08in	12.31	1637
m0666	i0026	666mm	26.21in	654mm	25.74in	2mm	0.08in	13.08	1739
m0704	i0028	704mm	27.73in	692mm	27.26in	2mm	0.08in	13.85	1842
m0743	i0029	743mm	29.24in	731mm	28.77in	2mm	0.08in	14.62	1944
m0781	i0031	781mm	30.76in	769mm	30.28in	2mm	0.08in	15.38	2046
m0820	i0032	820mm	32.27in	808mm	31.80in	2mm	0.08in	16.15	2148
m0858	i0034	858mm	33.79in	846mm	33.31in	2mm	0.08in	16.92	2251
m0897	i0035	897mm	35.30in	885mm	34.83in	2mm	0.08in	17.69	2353
m0935	i0037	935mm	36.81in	923mm	36.34in	2mm	0.08in	18.46	2455
m0974	i0038	974mm	38.33in	962mm	37.86in	2mm	0.08in	19.23	2558
m1012	i0040	1012mm	39.84in	1000mm	39.37in	2mm	0.08in	20.00	2660
m1050	i0041	1050mm	41.36in	1038mm	40.88in	2mm	0.08in	20.77	2762
m1089	i0043	1089mm	42.87in	1077mm	42.40in	2mm	0.08in	21.54	2865
m1127	i0044	1127mm	44.39in	1115mm	43.91in	2mm	0.08in	22.31	2967
m1166	i0046	1166mm	45.90in	1154mm	45.43in	2mm	0.08in	23.08	3069
m1204	i0047	1204mm	47.41in	1192mm	46.94in	2mm	0.08in	23.85	3172
m1243	i0049	1243mm	48.93in	1231mm	48.46in	2mm	0.08in	24.62	3274
m1281	i0050	1281mm	50.44in	1269mm	49.97in	2mm	0.08in	25.38	3376
m1320	i0052	1320mm	51.96in	1308mm	51.48in	2mm	0.08in	26.15	3478
m1358	i0053	1358mm	53.47in	1346mm	53.00in	2mm	0.08in	26.92	3581
m1397	i0055	1397mm	54.98in	1385mm	54.51in	2mm	0.08in	27.69	3683
m1435	i0056	1435mm	56.50in	1423mm	56.03in	2mm	0.08in	28.46	3785
m1474	i0058	1474mm	58.01in	1462mm	57.54in	2mm	0.08in	29.23	3888
m1512	i0060	1512mm	59.53in	1500mm	59.06in	2mm	0.08in	30.00	3990
m1550	i0061	1550mm	61.04in	1538mm	60.57in	2mm	0.08in	30.77	4092
m1589	i0063	1589mm	62.56in	1577mm	62.08in	2mm	0.08in	31.54	4195
m1627	i0064	1627mm	64.07in	1615mm	63.60in	2mm	0.08in	32.31	4297
m1666	i0066	1666mm	65.58in	1654mm	65.11in	2mm	0.08in	33.08	4399
m1704	i0067	1704mm	67.10in	1692mm	66.63in	2mm	0.08in	33.85	4502

TIMI-C A020 (20W)

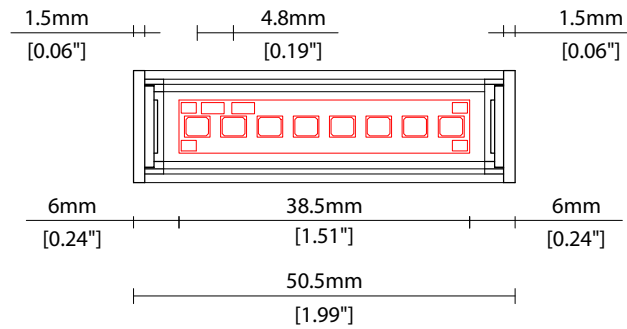
Length Availability List



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)		
m1743	i0069	1743mm	68.61in	1731mm	68.14in	2mm	0.08in	34.62	4604
m1781	i0070	1781mm	70.13in	1769mm	69.65in	2mm	0.08in	35.38	4706
m1820	i0072	1820mm	71.64in	1808mm	71.17in	2mm	0.08in	36.15	4808
m1858	i0073	1858mm	73.16in	1846mm	72.68in	2mm	0.08in	36.92	4911
m1897	i0075	1897mm	74.67in	1885mm	74.20in	2mm	0.08in	37.69	5013
m1935	i0076	1935mm	76.18in	1923mm	75.71in	2mm	0.08in	38.46	5115
m1974	i0078	1974mm	77.70in	1962mm	77.23in	2mm	0.08in	39.23	5218
m2012	i0079	2012mm	79.21in	2000mm	78.74in	2mm	0.08in	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

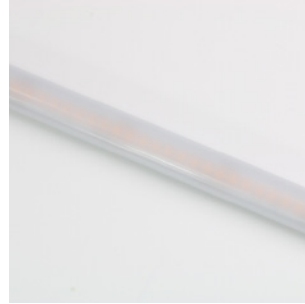
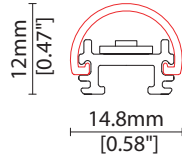
KKDC

COVER OPTIONS

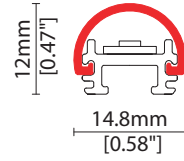
* Options are an integral part of the fixture ordering codes. Please refer to **Code Table** pages.



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

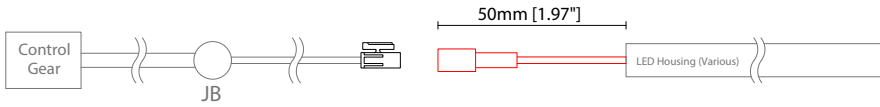


C Diffused cover
Polycarbonate finish
W14.8/H12mm (W0.58/H0.47")

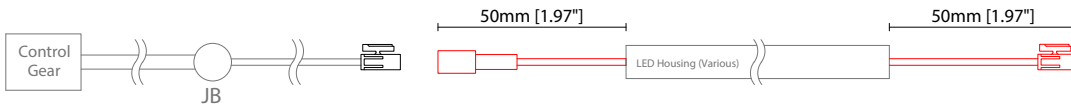


POWER FEED OPTIONS

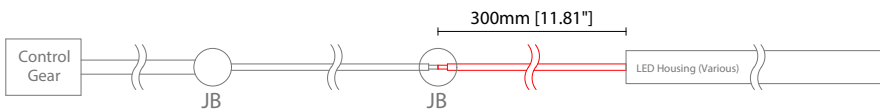
0050 S20X 50mm (1.97") Single no sheath IP20 connector



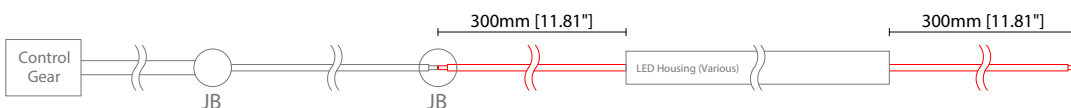
0050 D20X 50mm (1.97") Double no sheath IP20 connector



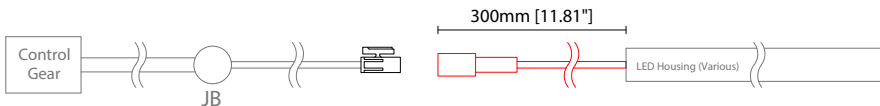
0300 S00X 300mm (11.81") Single no sheath tail



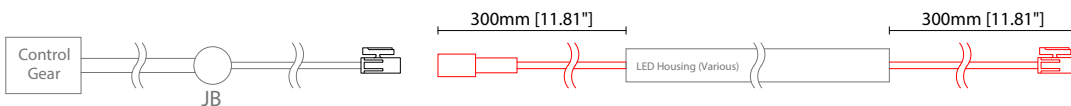
0300 D00X 300mm (11.81") Double no sheath tail



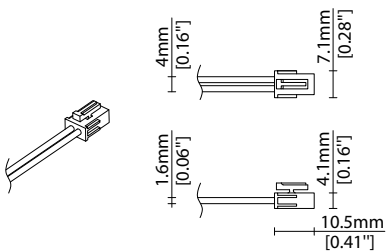
0300 S20X 300mm (11.81") Single no sheath IP20 connector



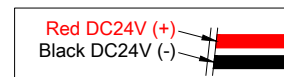
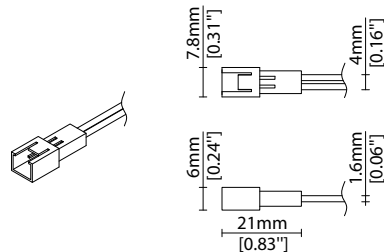
0300 D20X 300mm (11.81") Double no sheath IP20 connector



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



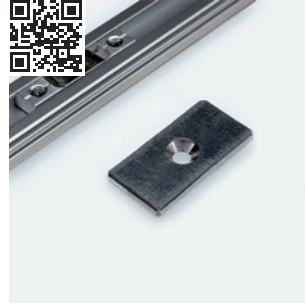
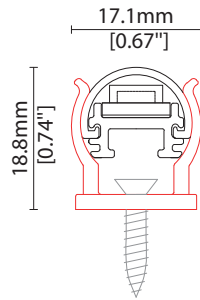
MOUNTING ACCESSORIES

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



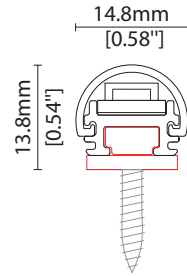
TCFC-01

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

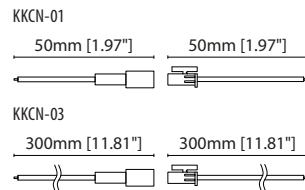
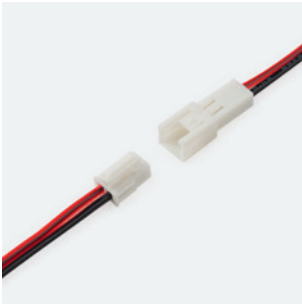


TCMS-01

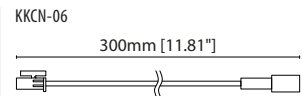
Magnet fixing set
(allow 4 per Metre/39.4in)
Aluminium/Steel finish
Pre-assembled in factory
L30/W14.8/H13.8mm
(L1.18/W0.58/H0.54")



POWER FEED



KCCN-01 50mm (1.97in) pair
KCCN-03 300mm (11.81in) pair
2 PIN male + female connector set



KCCN-06
2 PIN 300mm (11.81in) extension
lead

Linear

TIMI-C A020 (20W) Accessories

KKDC

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)



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

visDIM PRO 30 DALI-2

30kHz PWM Frequency
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