

Linear

TiMi-C 504 Fixture Guide

KKDÖ

Indoor | Surface | Mid output up to 1180lm/m (360lm/ft)

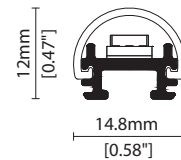


Key applications

- ✓ Architectural detail
- ✓ Backlighting/Signage
- ✓ Cabinet/Furniture
- ✓ Cove lighting
- ✓ Display case
- ✓ Indirect lighting
- ✓ Interior
- ✓ Mirror back lighting
- ✓ Shelving display
- ✓ Under bench
- ✓ Under cabinet
- ✓ Wardrobe

Key features

- ✓ Custom lengths
- ✓ Diffusion: Spotting
- ✓ Extensive CCT range
- ✓ Form factor: Small
- ✓ High lumen efficacy
- ✓ IP20
- ✓ Output mid



MOUNTING METHODS



TCFC-01 Clear plastic clip



TCMS-01 Magnetic fixing set

Linear

TiMi-C 504

Specification sheet



Dimension	H12.1/W14.8/L100-2000mm (H0.48/W0.58/L3.94-78.74in)
PCB increment	100mm increment/2000mm max (3.94in increment/78.74in max)
LED pitch	16.7mm - 60LED/m (0.66in - 18LED/ft)
Chip	s/e-line Toyoda Gosei k-line Toyoda Gosei or Equivalent
Beam angle	110° (Clear Cover) / 125° (Diffused Cover)
Colours	s/e-line 1900K/2100K/2300K/2500K/2700K/3000K/3500K/4000K/5000K s-line Single colours: Red/Green/Blue/Orange/Amber k-line 1900K/2100K/2300K/2500K/2700K/3000K/3500K/4000K/5000K
Bin/Step	s-line 2-step MacAdam ellipse e/k-line 3-step MacAdam ellipse
CRI	≥ 90
Lifetime	50,000 hours @ 25°C (50,000 hours @ 77°F)
Operating temp	T _a = -25 to 60°C (T _c max = 75°C) T _a = -13 to 140°F (T _c max = 160°F)
IP rating	IP20
Finish	Silver anodised
Cover/lens	Clear/Diffused
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-line*** 2-step CCT range
- e-line*** 3-step CCT range

*KKDC tuned CCT range

Base Grade

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

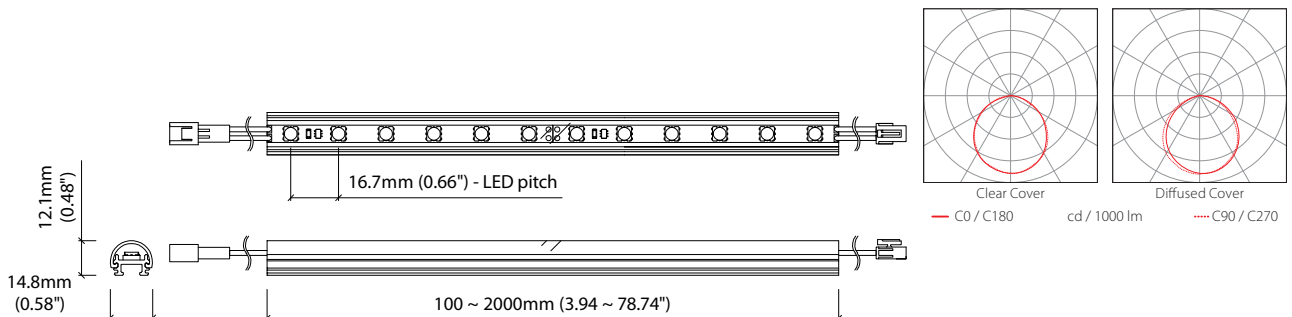
PERFORMANCE DATA @ 3000K

Power consumption	Supply voltage	Supply current
12.5W/m (3.81W/ft)	24 V DC	0.52A/m (0.16A/ft)

Colour Rendering Index (CRI)

	R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14
k-line	94	97	98	93	93	96	92	83	60	93	94	82	95	99

	Clear Cover		Diffused Cover		CRI	R9	Rf	Rg
s/e-line	1180lm/m (360lm/ft)	94lm/W	1030lm/m (314lm/ft)	82.7lm/W	91	50	-	-
k-line	1050lm/m (320lm/ft)	84.1lm/W	910lm/m (277lm/ft)	73.1lm/W	92	60	-	-



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

TiMi-C 504

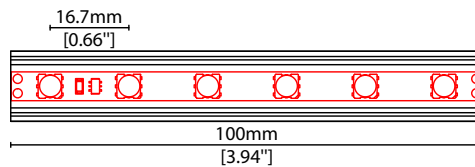
Length Availability List



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)	Range Data
m0100	i0004	100mm	3.94in	100mm	3.94in	N/A	N/A	1.25	110	73-122
m0200	i0008	200mm	7.87in	200mm	7.87in	N/A	N/A	2.50	221	146-244
m0300	i0012	300mm	11.81in	300mm	11.81in	N/A	N/A	3.75	331	219-367
m0400	i0016	400mm	15.75in	400mm	15.75in	N/A	N/A	5.00	441	292-489
m0500	i0020	500mm	19.69in	500mm	19.69in	N/A	N/A	6.25	551	366-611
m0600	i0024	600mm	23.62in	600mm	23.62in	N/A	N/A	7.50	662	439-733
m0700	i0028	700mm	27.56in	700mm	27.56in	N/A	N/A	8.75	772	512-855
m0800	i0031	800mm	31.50in	800mm	31.50in	N/A	N/A	10.00	882	585-978
m0900	i0035	900mm	35.43in	900mm	35.43in	N/A	N/A	11.25	992	658-1100
m1000	i0039	1000mm	39.37in	1000mm	39.37in	N/A	N/A	12.50	1103	731-1222
m1100	i0043	1100mm	43.31in	1100mm	43.31in	N/A	N/A	13.75	1213	804-1344
m1200	i0047	1200mm	47.24in	1200mm	47.24in	N/A	N/A	15.00	1323	877-1466
m1300	i0051	1300mm	51.18in	1300mm	51.18in	N/A	N/A	16.25	1433	950-1589
m1400	i0055	1400mm	55.12in	1400mm	55.12in	N/A	N/A	17.50	1544	1023-1711
m1500	i0059	1500mm	59.06in	1500mm	59.06in	N/A	N/A	18.75	1654	1097-1833
m1600	i0063	1600mm	62.99in	1600mm	62.99in	N/A	N/A	20.00	1764	1170-1955
m1700	i0067	1700mm	66.93in	1700mm	66.93in	N/A	N/A	21.25	1874	1243-2077
m1800	i0071	1800mm	70.87in	1800mm	70.87in	N/A	N/A	22.50	1985	1316-2200
m1900	i0075	1900mm	74.80in	1900mm	74.80in	N/A	N/A	23.75	2095	1389-2322
m2000	i0079	2000mm	78.74in	2000mm	78.74in	N/A	N/A	25.00	2205	1462-2444

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

² Actual length of PCB strip





TiMi-C 504 Options

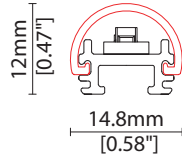


COVER OPTIONS

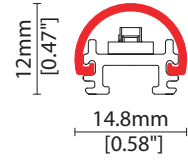
* Options are an integral part of the fixture ordering codes. Please refer to **Code Table** pages.



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



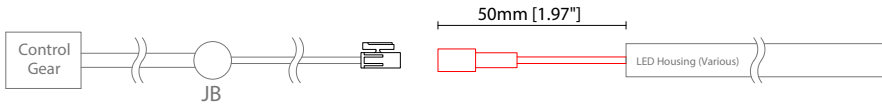
C Diffused cover
Polycarbonate finish
W14.8/H12mm (W0.58/H0.47")



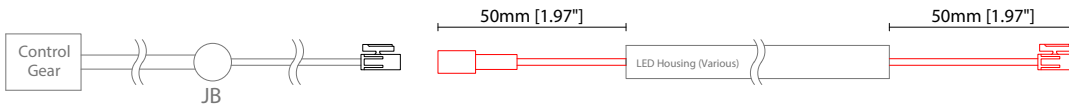
POWER FEED OPTIONS

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

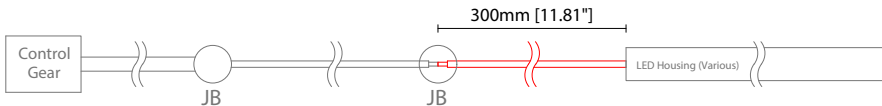
0050 S20X 50mm (1.97") Single no sheath IP20 connector



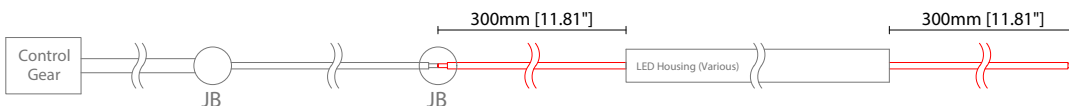
0050 D20X 50mm (1.97") Double no sheath IP20 connector



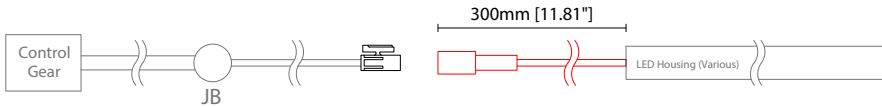
0300 S00X 300mm (11.81") Single no sheath tail



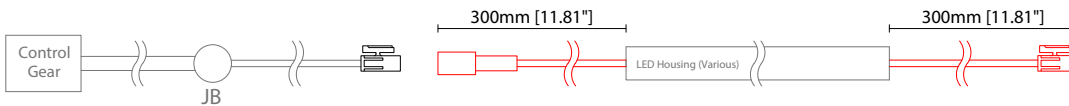
0300 D00X 300mm (11.81") Double no sheath tail



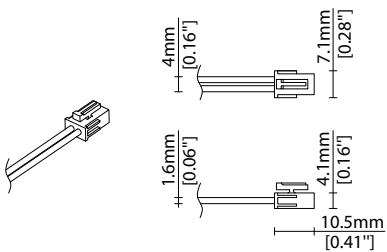
0300 S20X 300mm (11.81") Single no sheath IP20 connector



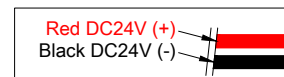
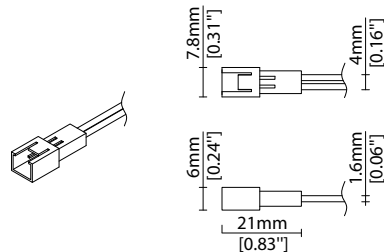
0300 D20X 300mm (11.81") Double no sheath IP20 connector



2 Pin Female Connector



2 Pin Male Connector



Key

Control Gear Power supply, sub-controllers & control systems

JB Junction box / cable connection

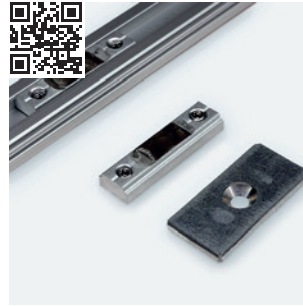
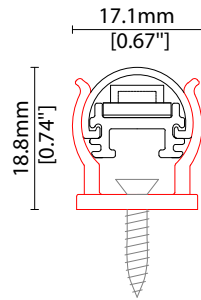
MOUNTING ACCESSORIES

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



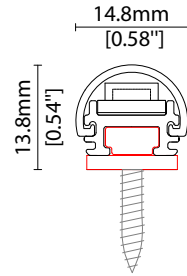
TCFC-01

Clip (allow 2 per 500mm/20in)
Clear plastic finish
L20/W17.1/H18.8mm
(0.79/W0.67/H0.74")

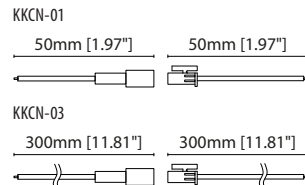


TCMS-01

Magnet fixing set
(allow 2 per 500mm/20in)
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 504 Accessories

KKDÖ

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