

Linear

# TIMI-M RGB Fixture Guide

# KKDC



Indoor | Surface | RGB output

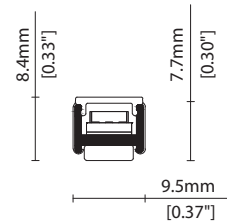


## Key applications

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

## Key features

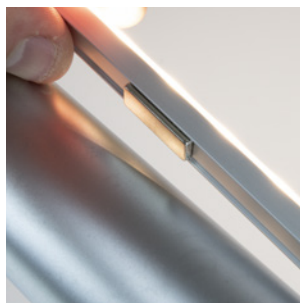
- ✓ Custom lengths
- ✓ Cutable (IP20)
- ✓ Constant Voltage (CV)
- ✓ Diffusion: spoting
- ✓ IP20 dry area
- ✓ Lens options
- ✓ RGB



## MOUNTING METHODS



KKBK-20 Steel plate



Direct attachment

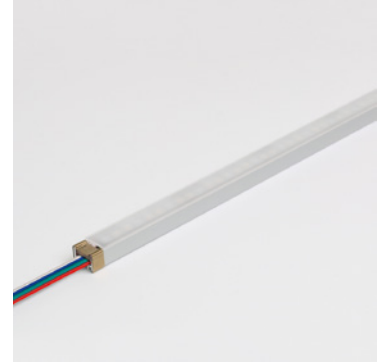
Linear

# TIMI-M RGB

## Specification sheet

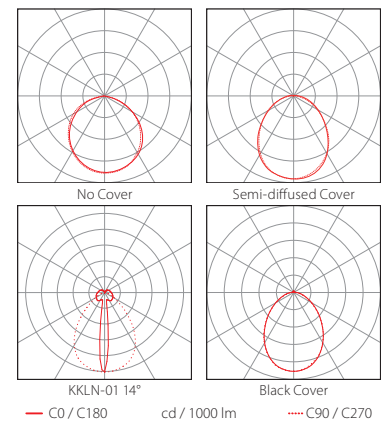
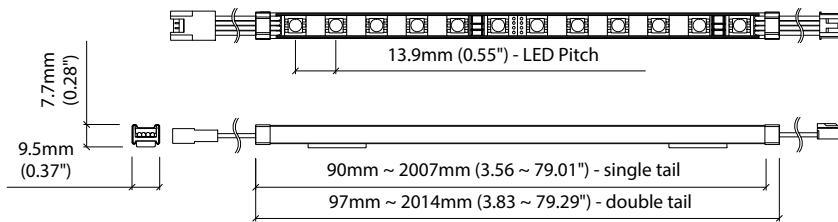


<b>Dimensions</b>	H7.7/W9.5/L97-2014mm (H0.3/W0.37/L3.81-79.29in) (Double tail) H7.7/W9.5/L90-2007mm (H0.3/W0.37/L3.54-79.01in) (Single tail)
<b>PCB Cut-point</b>	83.3mm increment/2000mm max (3.28in increment/78.74in max)
<b>LED Pitch</b>	13.9mm-72LED/m (0.55in - 22LED/ft)
<b>Chip</b>	RGB
<b>Cover/Optics</b>	No cover (120°) / Semi-diffused (100°) / Black (90°) / KKLN-01D lens (14°)
<b>CCT</b>	Red 620-625nm/Blue 455-460nm/Green 520-525nm
<b>LED binning</b>	5nm tolerance
<b>CRI</b>	N/A
<b>Lifetime</b>	30,000 hours @ 25°C (30,000 hours @ 77°F)
<b>Operating temp</b>	T <sub>a</sub> = -25 to 50°C (T <sub>c</sub> max = 80°C) T <sub>a</sub> = -13 to 122°F (T <sub>c</sub> max = 176°F)
<b>IP Rating</b>	IP20
<b>Finish</b>	Silver anodised
<b>Mounting</b>	Surface mounting via magnet
<b>Power feed</b>	Hardwire tails or male/female connectors
<b>Control</b>	DMX/DALI




Power consumption	Supply voltage	Supply current
15.6W/m (4.75W/ft)	24V DC	0.65A/m (0.20A/ft)

No Cover	Semi-diffused	14° (KKLN-01)	Black cover
Red: 150lm/m (46lm/ft) Green: 320lm/m (98lm/ft) Blue: 50lm/m (15lm/ft) RGB: 460lm/m (140lm/ft)	Red: 120lm/m (37lm/ft) Green: 270lm/m (82lm/ft) Blue: 40lm/m (12lm/ft) RGB: 390lm/m (119lm/ft)	Red: 140lm/m (43lm/ft) Green: 300lm/m (91lm/ft) Blue: 50lm/m (15lm/ft) RGB: 440lm/m (140lm/ft)	Red: 40lm/m (12lm/ft) Green: 80lm/m (24lm/ft) Blue: 13lm/m (4lm/ft) RGB: 120lm/m (37lm/ft)



Data derived from production samples tested to UKAS/IESNA LM-79-08 standards.

### FIXTURE

Model	Finish	Cover/Lens <sup>1</sup>	Grade	LED	Colour (CCT)	Length Availability <sup>2</sup>	IP	Cable Length	Power Feed <sup>3</sup>	Input		
TIMI-M	IM	Silver Anodised SA	No cover <sup>4</sup> X Semi-diffused <sup>4</sup> D KKLN-01D (14°) <sup>4</sup> S Black cover <sup>4</sup> Y	 s	501	RGB	RGB	m 97.3-2014mm <sup>5</sup> 90.3-2007mm <sup>6</sup> 83.3mm increments i 3.83-79.29in <sup>5</sup> 3.56-79.01in <sup>6</sup> 3.28in 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

<sup>1</sup> Refer to **Lens Options** on **Options** pages

<sup>2</sup> Refer to **Length Availability List** or enter total run length instead of length code

<sup>3</sup> Refer to **Power feed Options** on **Options** pages

<sup>4</sup> Operating temperatures vary for TIMI-M with cover and TIMI-M without cover; please check with a KKDC engineer if operating temperature is limiting product application

<sup>5</sup> Double clamp TIMI-M length

<sup>6</sup> Single clamp TIMI-M length

### Code Example:

IM	-	SA	-	D	-	s	-	501	-	RGB	-	m	514	-	20	-	0050	-	D20X	-	g
TIMI-M		Silver Anodised		Semi-diffused				501		RGB		513.8mm		IP20		50mm (1.97in)		Double no sheath IP20 connector		DC 24V	

### ACCESSORIES

#### Mounting Accessories

KKBK-20 Steel plate

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

#### Connection Accessories

KKCN-07 4 PIN RGB male & female 50mm (1.97in) pair

KKCN-09 4 PIN RGB male & female 300mm (11.81in) pair

KKCN-11 4 PIN RGB 300mm (11.81in) extension lead

\* Refer to **Power feed** on **Accessories** pages

#### PSU/Driver

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	690	210	7	2.13	TIMI-M R007	97-2014mm (3.81-79.29in)	41.7mm (1.64in)
	R014	1380	421	14	4.27	TIMI-M R014	97-2014mm (3.81-79.29in)	41.7mm (1.64in)
	A010	1400	426	10	3.05	TIMI-M A010	91-2014mm (3.58-79.29in)	38.46mm (1.51in)
	A020	2800	853	20	6.10	TIMI-M A020	91-2014mm (3.58-79.29in)	83.3mm (3.28in)
	Warm Dim/Dynamic White	R207	690	210	16	4.88	TIMI-M R207	97-2014mm (3.81-79.29in)
<b>RGB</b>	<b>501</b>	<b>Red 150 Green 320 Blue 50 RGB 460</b>	<b>Red 46 Green 98 Blue 15 RGB 140</b>	<b>16</b>	<b>4.88</b>	<b>TIMI-M RGB</b>	<b>97-2014mm (3.81-79.29in)</b>	<b>83.3mm (3.28in)</b>

\* Performance data: no cover, RGB

# TIMI-M RGB

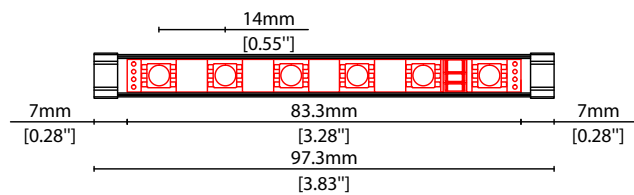
## Length Availability List



Length Code		Fixture Length <sup>1</sup>		LED Strip <sup>2</sup>		End Cap Dimension		Wattage (W)	Output (lm)			
Metric	Imperial(US)	Metric	Imperial(US)	Metric	Imperial(US)	Metric	Imperial(US)		R	G	B	W
m0097	i0004	97mm	3.83in	83mm	3.28in	N/A	N/A	1.30	13	27	4	38
m0181	i0007	181mm	7.11in	167mm	6.56in	N/A	N/A	2.60	25	53	8	77
m0264	i0010	264mm	10.39in	250mm	9.84in	N/A	N/A	3.90	38	80	13	115
m0347	i0014	347mm	13.68in	333mm	13.12in	N/A	N/A	5.20	50	107	17	153
m0431	i0017	431mm	16.96in	417mm	16.41in	N/A	N/A	6.50	63	133	21	192
m0514	i0020	514mm	20.24in	500mm	19.69in	N/A	N/A	7.80	75	160	25	230
m0597	i0024	597mm	23.52in	583mm	22.97in	N/A	N/A	9.10	88	187	29	268
m0681	i0027	681mm	26.80in	667mm	26.25in	N/A	N/A	10.40	100	213	33	307
m0764	i0030	764mm	30.08in	750mm	29.53in	N/A	N/A	11.70	113	240	38	345
m0847	i0033	847mm	33.36in	833mm	32.81in	N/A	N/A	13.00	125	267	42	383
m0931	i0037	931mm	36.64in	917mm	36.09in	N/A	N/A	14.30	138	293	46	422
m1014	i0040	1014mm	39.92in	1000mm	39.37in	N/A	N/A	15.60	150	320	50	460
m1097	i0043	1097mm	43.21in	1083mm	42.65in	N/A	N/A	16.90	163	347	54	498
m1181	i0046	1181mm	46.49in	1167mm	45.94in	N/A	N/A	18.20	175	373	58	537
m1264	i0050	1264mm	49.77in	1250mm	49.22in	N/A	N/A	19.50	188	400	63	575
m1347	i0053	1347mm	53.05in	1333mm	52.50in	N/A	N/A	20.80	200	427	67	613
m1431	i0056	1431mm	56.33in	1417mm	55.78in	N/A	N/A	22.10	213	453	71	652
m1514	i0060	1514mm	59.61in	1500mm	59.06in	N/A	N/A	23.40	225	480	75	690
m1597	i0063	1597mm	62.89in	1583mm	62.34in	N/A	N/A	24.70	238	507	79	728
m1681	i0066	1681mm	66.17in	1667mm	65.62in	N/A	N/A	26.00	250	533	83	767
m1764	i0069	1764mm	69.45in	1750mm	68.90in	N/A	N/A	27.30	263	560	88	805
m1847	i0073	1847mm	72.74in	1833mm	72.18in	N/A	N/A	28.60	275	587	92	843
m1931	i0076	1931mm	76.02in	1917mm	75.47in	N/A	N/A	29.90	288	613	96	882
m2014	i0079	2014mm	79.30in	2000mm	78.75in	N/A	N/A	31.20	300	640	100	920

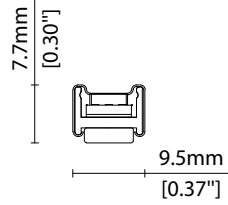
<sup>1</sup> Actual total overall length of light fixture (LED strip + end caps + void/wire hole)

<sup>2</sup> Actual length of PCB strip

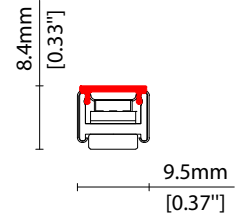


### COVER/LENS OPTIONS

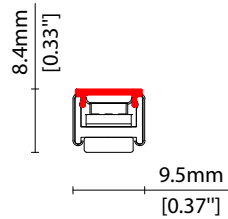
\* Options are an integral part of the fixture ordering codes. Please refer to **Code Table** pages.



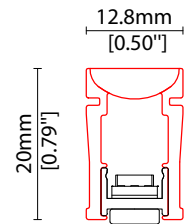
**X** No cover  
W9.5/H7.7mm (W0.37"/H0.30")



**D** Semi-diffused cover  
Polycarbonate finish  
W9.5/H8.4mm (W0.37"/H0.33")



**Y** Black semi-diffused cover  
Black translucent PMMA  
25% light output  
W9.5/H8.4mm (W0.37"/H0.33")

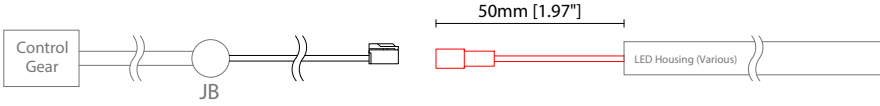


**S** 14° lens (KKLN-01D)  
14° beam linear lens,  
co-extruded PMMA  
W12.8/H20mm (W0.50"/H0.79")

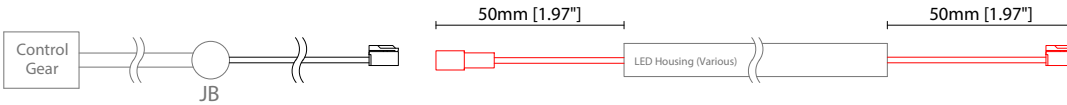
### POWER FEED OPTIONS

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

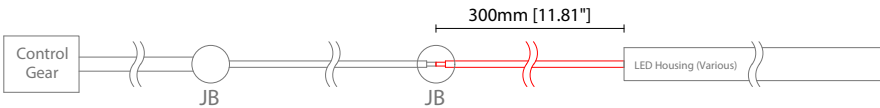
**0050 S20X 50mm (1.97") Single no sheath IP20 connector**



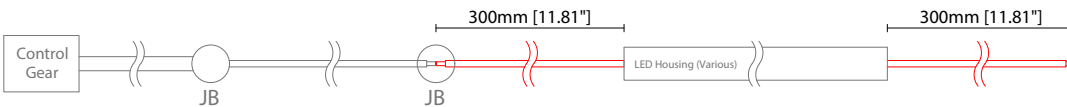
**0050 D20X 50mm (1.97") Double no sheath IP20 connector**



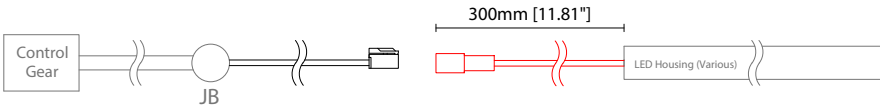
**0300 S00X 300mm (11.81") Single no sheath tail**



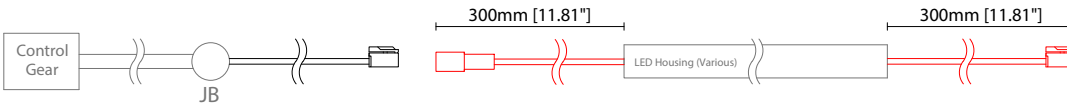
**0300 D00X 300mm (11.81") Double no sheath tail**



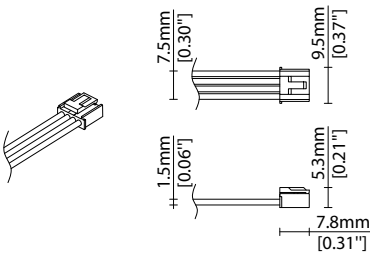
**0300 S20X 300mm (11.81") Single no sheath IP20 connector**



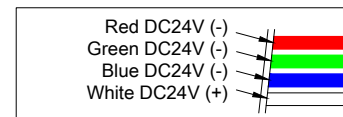
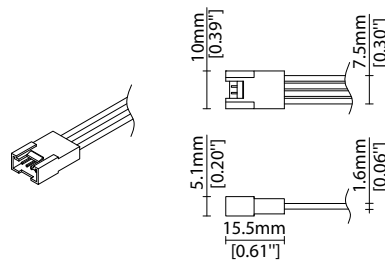
**0300 D20X 300mm (11.81") Double no sheath IP20 connector**



### 4 Pin RGB Female Connector



### 4 Pin RGB Male Connector



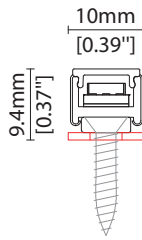
### Key

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.

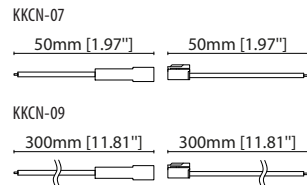
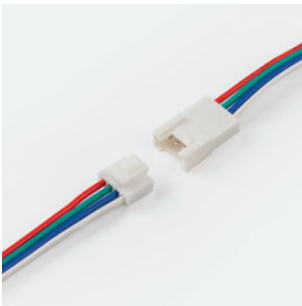


**KKBK-20**

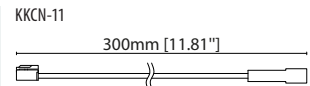
Steel plate (allow 4 per metre/40")  
Steel finish

L40/W10/H9.4mm  
(L1.58/W0.39/H0.37")

## POWER FEED



**KKCN-07** 50mm (1.97in) pair  
**KKCN-09** 300mm (11.81in) pair  
4 PIN RGB male + female  
connector set



**KKCN-11**  
4 PIN RGB 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-M RGB Accessories

# KKDC

## KKDC CONTROL (CONTINUED)

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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

<sup>1</sup> The items shown above cover the most frequently used specification but does not exhaust the possible options

<sup>2</sup> 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

<sup>3</sup> Electrical shop drawing will include detailed information of PSU and relevant control drivers

<sup>4</sup> Cut sheets are available on the controls section of [www.kkdc.lighting](http://www.kkdc.lighting) or upon request