Linear

TANA Micro R007
Fixture Guide

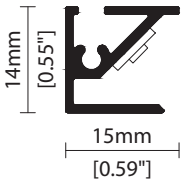
Indoor | Surface | Output up to 646lm/m (197lm/ft)

Key applications

- ✓ Architectural detail
- ✓ Cabinet & furniture
- ✓ Direct lighting
- ✓ Display case
- ✓ Interior
- ✓ Retail display
- ✓ Shelving display

Key features

- ✓ Custom lengths
- ✓ Constant Voltage (CV)
- ✓ Diffusion: spotting
- ✓ Extensive CCT range
- ✓ IP20 dry area



MOUNTING METHODS

TMEC-02 End cap bracket (pair)

High strength self-adhesive 3M tape

Linear

TANA Micro R007

Specification sheet

24V DC | 7 W/m | 2.13 W/ft | ≤92.2 lm/W | IP20 | L70 B10 > 50000h | RoHS Compliant | LM79 Tested | LM80 Tested | TM-30 Results

Dimensions	H14/W15/L93-2010mm (H0.55/W0.59/L3.66-79.13in)
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	No cover (90°)
CCT	**s-line:** 1900K/2100K/2300K/2500K/2700K/3000K/3500K/4000K/5000K Single colours: Red/Green/Blue/Orange/Amber **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	≥ 92
Lifetime	50,000 hours @ 25°C (50,000 hours @ 77°F)
Operating temp	T_a = -25 to 50°C (T_c max = 62°C) T_a = -13 to 122°F (T_c max = 144°F)
IP Rating	IP20
Finish	Silver anodised
Mounting	Surface mounting via 3M tape or screw mount end caps
Power feed	Hardwire tails
Control	0-10V/1-10V/DMX/DALI

LED Grading Key

Exclusive Grade

s-line*
2-step CCT range

**KKDC tuned CCT range*

Base Grade

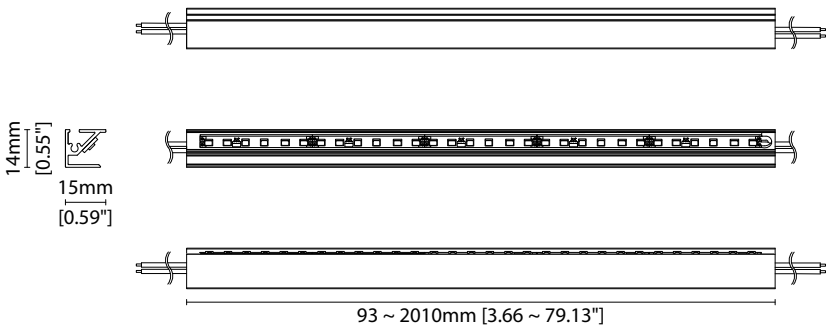
k-line
3-step commercial range
Energy Star CCTs

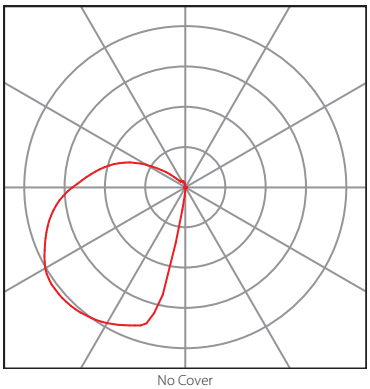
Power consumption	Supply voltage	Supply current
7W/m (2.13W/ft)	24V DC	0.29A/m (0.09A/ft)

Performance Data (3000K)

	R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14
k-line	93	97	98	90	92	94	91	83	64	92	90	73	95	98

	No Cover	CRI	R9	Rf	Rg
s-line	646lm/m (197lm/ft) 92.2lm/W	93	65	-	-
k-line	609lm/m (186lm/ft) 87lm/W	92	64	-	-





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

Linear

TANA Micro R007
Code Table

FIXTURE

Model	Finish	Cover[1]	Grade[2]	LED	Colour (CCT)	Length Availability[3]	IP	Cable Length	Power Feed[4]	Input
TANA Micro TM	Silver Anodised SA	No cover X	s– s	R007 R007	1900K 19	m 93-2010mm 83.3mm increments[5]	IP20 20	1000mm/ 39.37" 1000	Single no sheath tail S00X	DC 24V g
			k– k		2100K 21					
					2300K 23	i 3.67-79.13in 3.28in increments[5]		3000mm/ 118.11" 3000	Double no sheath tail D00X	
					2500K 25					
					2700K 27	(Specify length code OR total run length)				
					3000K 30					
					3500K 35					
					4000K 40					
					5000K 50					
					RED RED s– only					
					GREEN GRN					
					BLUE BLU					
					ORANGE ORN					
					AMBER AMB					

[1] Refer to **Cover/Lens options** on **Options** page
[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
[5] When using adjustable end cap bracket, max length is limited to 1000mm

Code Example:

TM	-	SA	-	X	-	s	-	R007	-	35	-	m	510	-	20	-	3000	-	D00X	-	g
TANA Micro		Silver Anodised		No cover		s–		R007		3500K			510mm		IP20		3000mm/118.11"		Double no sheath tail		DC 24V

ACCESSORIES

Mounting Accessories

TMEC-02	End cap bracket pair
TMEC-01	End cap pair

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

Connection Accessories

KKCN-02	2 PIN male & female JST 50mm (1.97in) pair
KKCN-04	2 PIN male & female JST 300mm (11.81in) pair
KKCN-05	2 PIN JST 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**	**646**	**197**	**7**	**2.13**	**TANA Micro R007**	**93-2010mm (3.66-79.13in)**	**41.7mm (1.64in)**
	R014	1350	412	14	4.27	TANA Micro R014	93-2010mm (3.66-79.13in)	41.7mm (1.64in)
	R020	1802	549	20	6.10	TANA Micro R020	93-2010mm (3.66-79.13in)	41.7mm (1.64in)
Warm Dim/Dynamic White	R207	1374	419	16	4.88	TANA Micro R207	93-2010mm (3.66-79.13in)	83.3mm (3.28in)

* Performance data: s-line, 3000K, no cover

Linear

TANA Micro R007

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)
m0093	i0004	93mm	3.67in	83mm	3.28in	N/A	N/A	0.58	51
m0135	i0005	135mm	5.31in	125mm	4.92in	N/A	N/A	0.87	76
m0177	i0007	177mm	6.96in	167mm	6.56in	N/A	N/A	1.17	102
m0218	i0009	218mm	8.60in	208mm	8.20in	N/A	N/A	1.46	127
m0260	i0010	260mm	10.24in	250mm	9.84in	N/A	N/A	1.75	152
m0302	i0012	302mm	11.88in	292mm	11.48in	N/A	N/A	2.04	178
m0343	i0014	343mm	13.52in	333mm	13.12in	N/A	N/A	2.33	203
m0385	i0015	385mm	15.16in	375mm	14.76in	N/A	N/A	2.62	228
m0427	i0017	427mm	16.80in	417mm	16.40in	N/A	N/A	2.92	254
m0468	i0018	468mm	18.44in	458mm	18.04in	N/A	N/A	3.21	279
m0510	i0020	510mm	20.08in	500mm	19.69in	N/A	N/A	3.50	304
m0552	i0022	552mm	21.72in	542mm	21.33in	N/A	N/A	3.79	330
m0593	i0023	593mm	23.36in	583mm	22.97in	N/A	N/A	4.08	355
m0635	i0025	635mm	25.00in	625mm	24.61in	N/A	N/A	4.37	381
m0677	i0027	677mm	26.64in	667mm	26.25in	N/A	N/A	4.67	406
m0718	i0028	718mm	28.28in	708mm	27.89in	N/A	N/A	4.96	431
m0760	i0030	760mm	29.92in	750mm	29.53in	N/A	N/A	5.25	457
m0802	i0032	802mm	31.56in	792mm	31.17in	N/A	N/A	5.54	482
m0843	i0033	843mm	33.20in	833mm	32.81in	N/A	N/A	5.83	507
m0885	i0035	885mm	34.84in	875mm	34.45in	N/A	N/A	6.12	533
m0927	i0036	927mm	36.48in	917mm	36.09in	N/A	N/A	6.42	558
m0968	i0038	968mm	38.12in	958mm	37.73in	N/A	N/A	6.71	584
m1010	i0040	1010mm	39.76in	1000mm	39.37in	N/A	N/A	7.00	609
m1052	i0041	1052mm	41.40in	1042mm	41.01in	N/A	N/A	7.29	634
m1093	i0043	1093mm	43.04in	1083mm	42.65in	N/A	N/A	7.58	660
m1135	i0045	1135mm	44.69in	1125mm	44.29in	N/A	N/A	7.87	685
m1177	i0046	1177mm	46.33in	1167mm	45.93in	N/A	N/A	8.17	710
m1218	i0048	1218mm	47.97in	1208mm	47.57in	N/A	N/A	8.46	736
m1260	i0050	1260mm	49.61in	1250mm	49.21in	N/A	N/A	8.75	761
m1302	i0051	1302mm	51.25in	1292mm	50.85in	N/A	N/A	9.04	787
m1343	i0053	1343mm	52.89in	1333mm	52.49in	N/A	N/A	9.33	812
m1385	i0055	1385mm	54.53in	1375mm	54.13in	N/A	N/A	9.62	837
m1427	i0056	1427mm	56.17in	1417mm	55.77in	N/A	N/A	9.92	863
m1468	i0058	1468mm	57.81in	1458mm	57.41in	N/A	N/A	10.21	888
m1510	i0059	1510mm	59.45in	1500mm	59.06in	N/A	N/A	10.50	913
m1552	i0061	1552mm	61.09in	1542mm	60.70in	N/A	N/A	10.79	939
m1593	i0063	1593mm	62.73in	1583mm	62.34in	N/A	N/A	11.08	964
m1635	i0064	1635mm	64.37in	1625mm	63.98in	N/A	N/A	11.37	990
m1677	i0066	1677mm	66.01in	1667mm	65.62in	N/A	N/A	11.67	1015
m1718	i0068	1718mm	67.65in	1708mm	67.26in	N/A	N/A	11.96	1040
m1760	i0069	1760mm	69.29in	1750mm	68.90in	N/A	N/A	12.25	1066
m1802	i0071	1802mm	70.93in	1792mm	70.54in	N/A	N/A	12.54	1091
m1843	i0073	1843mm	72.57in	1833mm	72.18in	N/A	N/A	12.83	1116

Linear

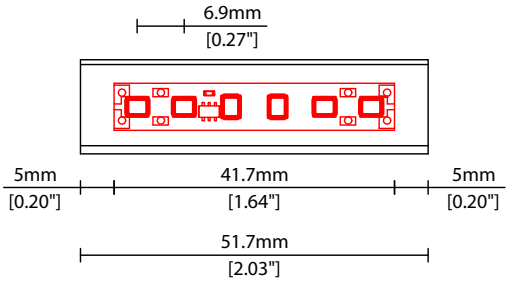
TANA Micro R007

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)
m1885	i0074	1885mm	74.21in	1875mm	73.82in	N/A	N/A	13.12	1142
m1927	i0076	1927mm	75.85in	1917mm	75.46in	N/A	N/A	13.42	1167
m1968	i0077	1968mm	77.49in	1958mm	77.10in	N/A	N/A	13.71	1193
m2010	i0079	2010mm	79.13in	2000mm	78.74in	N/A	N/A	14.00	1218

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

[2] Actual length of PCB strip

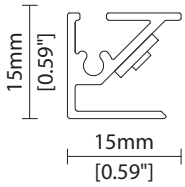


Linear

TANA Micro R007
Options

COVER/LENS OPTIONS

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



X No cover
W15/H15mm (W0.59/H0.59")

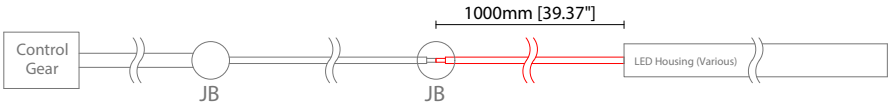
Linear

TANA Micro R007
Options

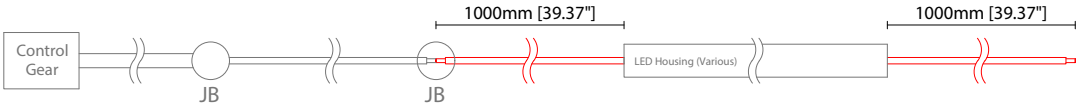
POWER FEED OPTIONS

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

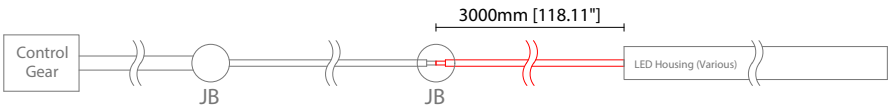
1000 S00X **1000mm (39.37") Single no sheath tail**



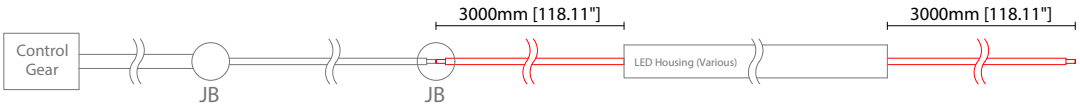
1000 D00X **1000mm (39.37") Double no sheath tail**



3000 S00X **3000mm (118.11") Single no sheath tail**



3000 D00X **3000mm (118.11") Double no sheath tail**



Key

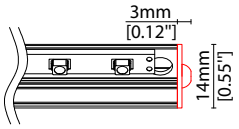
Control Gear	Power supply, sub-controllers & control systems
JB	Junction box / cable connection

Linear

TANA Micro R007
Accessories

MOUNTING ACCESSORIES

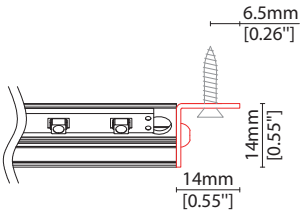
Note: Accessories are to be ordered separately with corresponding code shown below.



TMEC-01

3M Tape and end cap pair

L3/W15/H14mm
(L0.12/W0.59/H0.55")



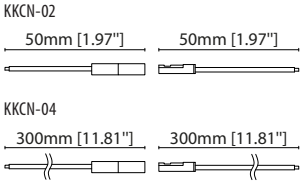
TMEC-02 *

End cap bracket pair
(Includes screws)
S/Steel finish

L14.5/W14/H14mm
(L0.57/W0.55/H0.55")

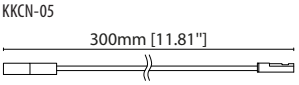
* Not recommended for use on lengths over 1000mm (40in)

POWER FEED



KKCN-02 50mm (1.97in) pair
KKCN-04 300mm (11.81in) pair

2 PIN male + female JST connector set



KKCN-05

2 PIN 300mm (11.81in) extension lead (JST)

Linear

TANA Micro R007
Accessories

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)

Linear

TANA Micro
Driver/PSU Options

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