

Linear

TANA SP 007

Fixture Guide

KKDÖ

Indoor | Surface | Low output up to 470lm/m (142lm/ft)

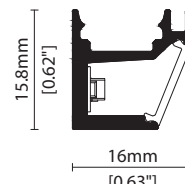


Key applications

- ✓ Cabinet/Furniture
- ✓ Display case
- ✓ Interior
- ✓ Retail display
- ✓ Shelving display
- ✓ Under cabinet

Key features

- ✓ Custom lengths
- ✓ Diffusion: Homogenous
- ✓ Direct view
- ✓ Extensive CCT range
- ✓ Form factor: Small
- ✓ IP40
- ✓ Output low



MOUNTING METHODS



KKCP-10 Concealed clip

Linear

TANA SP 007

Specification sheet



Dimension	H15.8/W16/L103.4-2020mm (H0.62/W0.63/L4.07-79.53in)	
PCB increment	41.7mm increment/2000mm max (1.64in increment/78.74in max)	
LED pitch	6.9mm - 144LED/m (0.27in - 44LED/ft)	
Chip	s/e-line	Toyoda Gosei
	k-line	Toyoda Gosei or Equivalent
Beam angle	60° (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	$T_a = -25^\circ\text{C}$ to 60°C ($T_c \text{ max} = 77.3^\circ\text{C}$) $T_a = -13$ to 140°F ($T_c \text{ max} = 171.1^\circ\text{F}$)	
IP rating	IP40	
Finish	Silver anodised	
Cover/lens	Diffused	
Mounting	Surface mounting via concealed clips	
Power feed	Hardwire tails	
Control	0-10V/1-10V/DMX/DALI	



LED Grading Key

Exclusive Grade

s s-line*	*KKDC tuned CCT range
2-step CCT range	
e e-line*	
3-step CCT range	

Base Grade

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

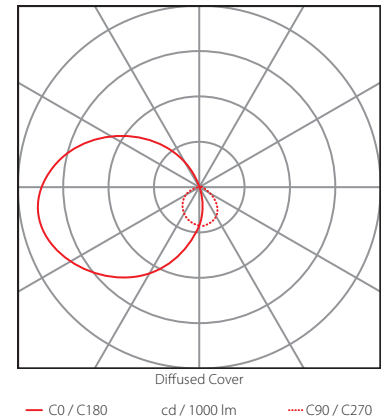
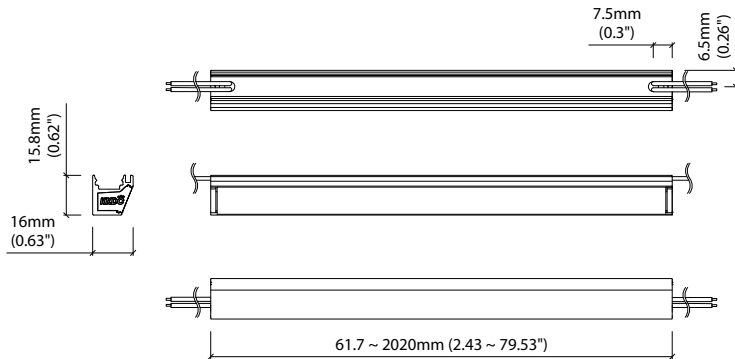
PERFORMANCE DATA @ 3000K

Power consumption	Supply voltage	Supply current
10.9W/m (3.32W/ft)	24V DC	0.45A/m (0.14A/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

	Diffused	CRI	R9	Rf	Rg
s/e-line	470lm/m (142lm/ft) 42.4lm/W	93	62	-	-
k-line	460lm/m (140lm/ft) 41.8lm/W	92	60	-	-



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

FIXTURE

Model	Finish	Cover	Grade ¹	LED	Colour (CCT)	Length Availability ²	IP	Cable Length	Power Feed ³	Input													
TANA SP	TS	Silver Anodised	SA	Diffused	C	s	s	007	1900K	19	m 61.7-2020mm 41.7mm increments	IP40	40	1000mm/39.37"	1000	Single no sheath tail	S00X	DC 24V	g				
									2100K	21				i 2.43-79.53in 1.64in increments	3000mm/118.11"					3000	Double no sheath tail	D00X	
									2300K	23										(Specify length code OR total run length)			
									2500K	25													
									2700K	27													
									3000K	30													
									3500K	35													
									4000K	40													
									5000K	50													
									RED	RED													s-only
									GREEN	GRN													
									BLUE	BLU													
									ORANGE	ORN													
AMBER	AMB																						

¹ Refer to LED Grading Key on **Specification sheet** page

² Refer to **Length Availability List** or enter total run length instead of length code

³ Refer to **Power Feed Options** on **Options** pages

Code Example:

TS	-	SA	-	C	-	s	-	007	-	35	-	m	-	520	-	40	-	1000	-	D00X	-	g
TANA SP		Silver Anodised		Diffused		s		007		3500K		520.4mm		IP40		1000mm/39.37"		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-18	4 PIN LEDmix male & female 50mm (1.97in) pair
KKCN-19	4 PIN LEDmix male & female 300mm (11.81in) pair
KKCN-24	4 PIN LEDmix 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	Output	LED	Lumen/m	Lumen/ft	W/m	W/ft	Spec Doc	Length	Increment
Single CCT	Low	007	470	142	10.9	3.32	TANA SP 007	61.7-2020mm (2.43-79.53in)	41.7mm (1.64in)

* Performance data: s/e-line, diffused cover, 3000K

TANA SP 007

Length Availability List



Length Code		Fixture Length ¹		LED Strip ²		End Cap Dimension ³		Wattage (W)	Output (lm)	
Metric	Imperial(US)	Metric	Imperial(US)	Metric	Imperial(US)	Metric	Imperial(US)		3000K (Test Data)	Range Data
m0062	i0002	62mm	2.43in	42mm	1.64in	0mm	0.00in	0.45	19	14-20
m0103	i0004	103mm	4.07in	83mm	3.28in	0mm	0.00in	0.91	38	28-39
m0145	i0006	145mm	5.71in	125mm	4.92in	0mm	0.00in	1.36	57	42-59
m0187	i0007	187mm	7.35in	167mm	6.56in	0mm	0.00in	1.82	76	56-79
m0228	i0009	228mm	8.99in	208mm	8.20in	0mm	0.00in	2.27	95	70-99
m0270	i0011	270mm	10.63in	250mm	9.84in	0mm	0.00in	2.73	114	84-118
m0312	i0012	312mm	12.27in	292mm	11.48in	0mm	0.00in	3.18	133	98-138
m0353	i0014	353mm	13.91in	333mm	13.12in	0mm	0.00in	3.63	152	112-158
m0395	i0016	395mm	15.55in	375mm	14.76in	0mm	0.00in	4.09	171	126-178
m0437	i0017	437mm	17.19in	417mm	16.41in	0mm	0.00in	4.54	190	140-197
m0478	i0019	478mm	18.83in	458mm	18.05in	0mm	0.00in	5.00	209	154-217
m0520	i0020	520mm	20.47in	500mm	19.69in	0mm	0.00in	5.45	228	168-237
m0562	i0022	562mm	22.11in	542mm	21.33in	0mm	0.00in	5.90	247	182-257
m0603	i0024	603mm	23.76in	583mm	22.97in	0mm	0.00in	6.36	266	196-276
m0645	i0025	645mm	25.40in	625mm	24.61in	0mm	0.00in	6.81	285	210-296
m0687	i0027	687mm	27.04in	667mm	26.25in	0mm	0.00in	7.27	304	224-316
m0728	i0029	728mm	28.68in	708mm	27.89in	0mm	0.00in	7.72	323	238-336
m0770	i0030	770mm	30.32in	750mm	29.53in	0mm	0.00in	8.18	342	252-355
m0812	i0032	812mm	31.96in	792mm	31.17in	0mm	0.00in	8.63	361	266-375
m0853	i0034	853mm	33.60in	833mm	32.81in	0mm	0.00in	9.08	380	280-395
m0895	i0035	895mm	35.24in	875mm	34.45in	0mm	0.00in	9.54	399	294-415
m0937	i0037	937mm	36.88in	917mm	36.09in	0mm	0.00in	9.99	418	308-434
m0978	i0039	978mm	38.52in	958mm	37.73in	0mm	0.00in	10.45	437	322-454
m1020	i0040	1020mm	40.16in	1000mm	39.37in	0mm	0.00in	10.90	456	336-474
m1062	i0042	1062mm	41.80in	1042mm	41.01in	0mm	0.00in	11.35	475	350-494
m1103	i0043	1103mm	43.44in	1083mm	42.65in	0mm	0.00in	11.81	494	364-513
m1145	i0045	1145mm	45.08in	1125mm	44.29in	0mm	0.00in	12.26	513	378-533
m1187	i0047	1187mm	46.72in	1167mm	45.94in	0mm	0.00in	12.72	532	392-553
m1228	i0048	1228mm	48.36in	1208mm	47.58in	0mm	0.00in	13.17	551	406-573
m1270	i0050	1270mm	50.00in	1250mm	49.22in	0mm	0.00in	13.63	570	420-592
m1312	i0052	1312mm	51.64in	1292mm	50.86in	0mm	0.00in	14.08	589	434-612
m1353	i0053	1353mm	53.29in	1333mm	52.50in	0mm	0.00in	14.53	607	448-632
m1395	i0055	1395mm	54.93in	1375mm	54.14in	0mm	0.00in	14.99	626	462-652
m1437	i0057	1437mm	56.57in	1417mm	55.78in	0mm	0.00in	15.44	645	476-671
m1478	i0058	1478mm	58.21in	1458mm	57.42in	0mm	0.00in	15.90	664	490-691
m1520	i0060	1520mm	59.85in	1500mm	59.06in	0mm	0.00in	16.35	683	504-711
m1562	i0061	1562mm	61.49in	1542mm	60.70in	0mm	0.00in	16.80	702	518-731
m1603	i0063	1603mm	63.13in	1583mm	62.34in	0mm	0.00in	17.26	721	532-750
m1645	i0065	1645mm	64.77in	1625mm	63.98in	0mm	0.00in	17.71	740	546-770
m1687	i0066	1687mm	66.41in	1667mm	65.62in	0mm	0.00in	18.17	759	560-790
m1728	i0068	1728mm	68.05in	1708mm	67.26in	0mm	0.00in	18.62	778	574-809
m1770	i0070	1770mm	69.69in	1750mm	68.90in	0mm	0.00in	19.08	797	588-829
m1812	i0071	1812mm	71.33in	1792mm	70.54in	0mm	0.00in	19.53	816	602-849

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Length Availability List

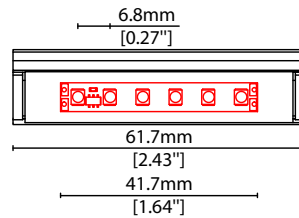


Length Code		Fixture Length ¹		LED Strip ²		End Cap Dimension ³		Wattage (W)	Output (lm)	
Metric	Imperial(US)	Metric	Imperial(US)	Metric	Imperial(US)	Metric	Imperial(US)		3000K (Test Data)	Range Data
m1853	i0073	1853mm	72.97in	1833mm	72.18in	0mm	0.00in	19.98	835	615-869
m1895	i0075	1895mm	74.61in	1875mm	73.82in	0mm	0.00in	20.44	854	629-888
m1937	i0076	1937mm	76.25in	1917mm	75.47in	0mm	0.00in	20.89	873	643-908
m1978	i0078	1978mm	77.89in	1958mm	77.11in	0mm	0.00in	21.35	892	657-928
m2020	i0080	2020mm	79.53in	2000mm	78.75in	0mm	0.00in	21.80	911	671-948

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

² Actual length of PCB strip

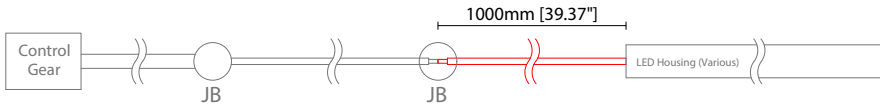
³ Actual length of 2x end caps



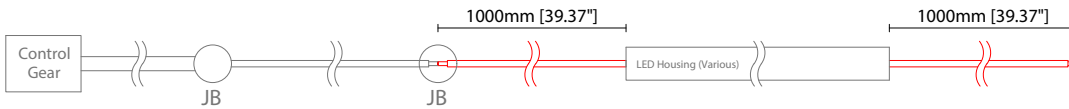
POWER FEED OPTIONS

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

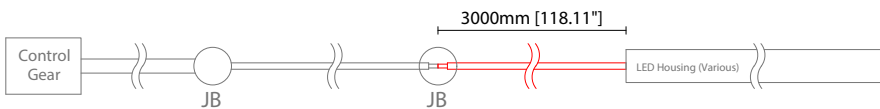
1000 S00X 1000mm (39.37") Single no sheath tail



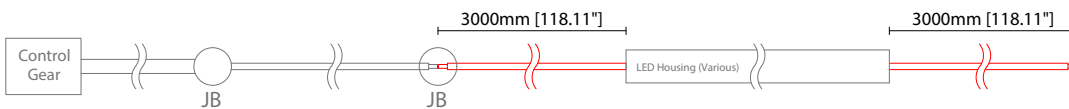
1000 D00X 1000mm (39.37") Double no sheath tail



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



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

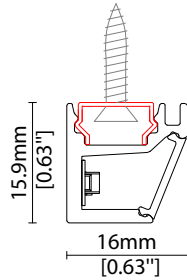


Key

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

MOUNTING ACCESSORIES

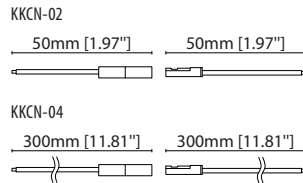
Note: Accessories are to be ordered separately with corresponding code shown below.



KKCP-10

Concealed clip
 (Allow 2 per metre/40in)
 S/Steel finish
 L20/W16/H16mm
 (L0.79/W0.63/H0.63")

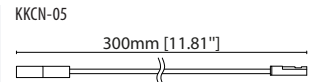
POWER FEED



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)

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

TANA SP 007

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