

Linear

TiMi-M RGB

Specification sheet



Dimension	H.7/W10/L97.3-2014mm (H0.3/W0.39/L3.83-79.29in) (Double tail) H.7/W10/L90.3-2007mm (H0.3/W0.39/L3.56-79.01in) (Single tail)
PCB increment	83.3mm increment/2000mm max (3.28in increment/78.74in max)
LED pitch	13.9mm - 72LED/m (0.55in - 22LED/ft)
Chip	Red TEKCORE/Green EPILEDs/Blue 3E
Beam angle	120° (No Cover) / 100° (Semi-diffused Cover) / 14° (KKLN-01D)
Colours	Red 620-625nm/Blue 455-460nm/Green 520-525nm
Bin/Step	5nm tolerance
CRI	N/A
Lifetime	30,000 hours @ 25°C (30,000 hours @ 77°F)
Operating temp	T _a = -25 to 50°C (T _C max = 80°C) T _a = -13 to 122°F (T _C max = 176°F)
IP rating	IP20
Finish	Silver anodised
Cover/lens	No Cover/Semi-diffused/14° lens accessory
Mounting	Surface mounting via magnet
Connection	Hardwire tails or male/female connectors
Control	DMX/DALI



PERFORMANCE DATA

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

No Cover

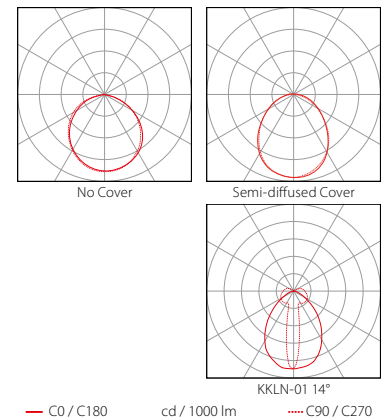
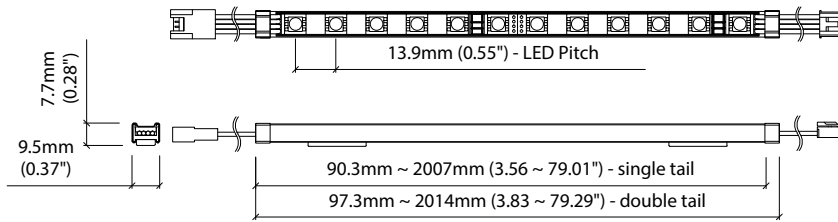
Red: 150lm/m (46lm/ft)
Green: 320lm/m (98lm/ft)
Blue: 50lm/m (15lm/ft)
White: 460lm/m (140lm/ft)

Semi-diffused

Red: 120lm/m (37lm/ft)
Green: 270lm/m (82lm/ft)
Blue: 40lm/m (12lm/ft)
White: 390lm/m (119lm/ft)

KKLN-01 14°

Red: 140lm/m (43lm/ft)
Green: 300lm/m (91lm/ft)
Blue: 50lm/m (15lm/ft)
White: 440lm/m (140lm/ft)



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

Linear

TiMi-M 208

Specification sheet



Dimension	H7.7/W10/L180.7-2014mm (H0.3/W0.39/L7.11-79.29in) (Double tail) H7.7/W10/L173.7-2007mm (H0.3/W0.39/L6.84-79.01in) (Single tail)
PCB increment	166.7mm increment/2000mm max (6.56in increment/78.74in max)
LED pitch	23.8mm - 42LED/m (0.94in - 13LED/ft) between same coloured LEDs
Chip	s-line Toyoda Gosei k-line Samsung
Beam angle	120° (No Cover) / 100° (Semi-diffused Cover) / 14° (KKLN-01D)
Colours	s-line 2100K/2300K/2500K/2700K/3000K/3200K/3500K/4000K/5000K k-line 1900K/2100K/2500K/2700K/3000K/3500K/4000K/5000K
Bin/Step	s-line 2.5 Step MacAdam ellipse 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 50°C (T _c max = 79.1 °C) T _a = -13 to 122°F (T _c max = 174.4°F)
IP rating	IP20
Finish	Silver anodised
Cover/lens	No Cover/Semi-diffused/14° lens accessory
Mounting	Surface mounting via magnet
Connection	Hardwire tails or male/female connectors
Control	0-10V/1-10V/DMX/DALI



LED Grading Key

Exclusive Grade

s-line*	*KKDC tuned CCT range
2.5-step CCT range	CCT range

Base Grade

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

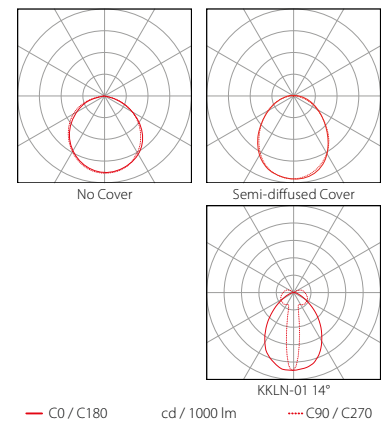
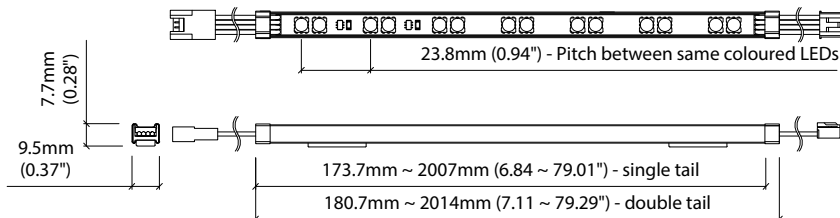
PERFORMANCE DATA @2100K + 5000K

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

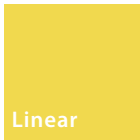
Colour Rendering Index (CRI)

	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

	No Cover	Semi-diffused	KKLN-01 14°	CRI	R9	Rf	Rg
s-line	1510lm/m (460lm/ft) 96.8lm/W	1270lm/m (387lm/ft) 81.1lm/W	1420lm/m (433lm/ft) 91.2lm/W	94	75	-	-
k-line	1400lm/m (427lm/ft) 89.7lm/W	1190lm/m (363lm/ft) 76.2lm/W	1280lm/m (390lm/ft) 82.0lm/W	92	60	-	-



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



TiMi-M 207

Specification sheet



Dimension	H7.7/W10/L97.3-2014mm (H0.3/W0.39/L3.83-79.29in) (Double tail) H7.7/W10/L90.3-2007mm (H0.3/W0.39/L3.56-79.01in) (Single tail)
PCB increment	83.3mm increment/2000mm max (3.28in increment/78.74in max)
LED pitch	13.9mm - 72 LED/m (0.55in - 22LED/ft) between same colored LEDs
Chip	s-line Toyoda Gosei k-line Samsung
Beam angle	120° (No Cover) / 100° (Semi-diffused Cover) / 14° (KKLN-01D)
Colours	s-line 2100K/2500K/2700K/3000K/3500K/4000K/5000K k-line 1900K/2100K/2500K/2700K/3000K/3500K/4000K/5000K
Bin/Step	s-line 2.5 Step MacAdam ellipse 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 = 76.5°C) T _a = -13 to 122°F (T _c max = 169.7°F)
IP rating	IP20
Finish	Silver anodised
Cover/lens	No Cover/Semi-diffused/14° lens accessory
Mounting	Surface mounting via magnet
Connection	Hardwire tails or male/female connectors
Control	0-10V/1-10V/DMX/DALI



LED Grading Key

Exclusive Grade

s-line*	*KKDC tuned CCT range
2.5-step CCT range	CCT range

Base Grade

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

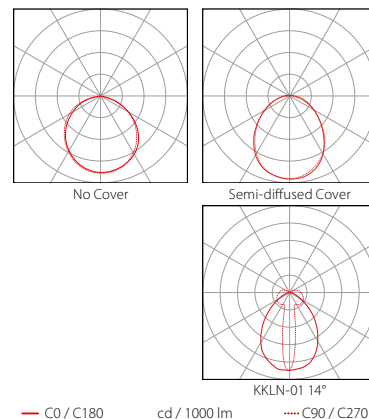
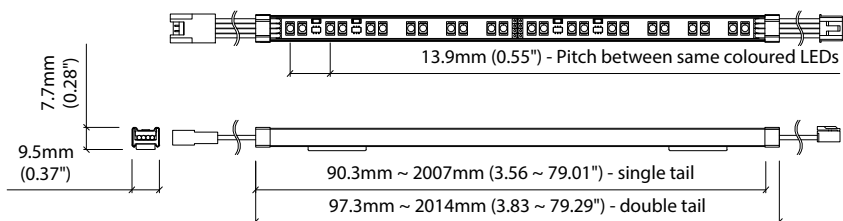
PERFORMANCE DATA @2100K + 5000K

Power consumption	Supply voltage	Supply current
11W/m (3.35W/ft)	24V DC	0.46A/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

	No Cover	Semi-diffused	KKLN-01 14°	CRI	R9	Rf	Rg
s-line	900lm/m (274lm/ft) 81.8lm/W	760lm/m (232lm/ft) 69.5lm/W	820lm/m (250lm/ft) 74.8lm/W	93	87	-	-
k-line	890lm/m (271lm/ft) 80.6lm/W	750lm/m (229lm/ft) 68.4lm/W	810lm/m (247lm/ft) 73.7lm/W	92	60	-	-



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

Linear

TiMi-M 508

Specification sheet



Dimension	H7.7/W10/L85.4-2014mm (H0.3/W0.39/L3.36-79.29in) (Double tail) H7.7/W10/L78.4-2007mm (H0.3/W0.39/L3.08-79.01in) (Single tail)
PCB increment	71.4mm increment/2000mm max (2.81in increment/78.74in max)
LED pitch	11.9mm - 84LED/m (0.47in - 26LED/ft)
Chip	n/s/e-line Toyoda Gosei k-line Samsung
Beam angle	120° (No Cover) / 100° (Semi-diffused Cover) / 14° (KKLN-01D)
Colours	n-line 2700K/3000K s/e-line 2100K/2300K/2500K/2700K/3000K/3200K/3500K/4000K/5000K k-line 1900K/2100K/2500K/2700K/3000K/3500K/4000K/5000K
Bin/Step	s-line 2 Step MacAdam ellipse n/e/k-line 3 Step MacAdam ellipse
CRI	≥ 90 (n-line ≥ 95)
Lifetime	50,000 hours @ 25°C (50,000 hours @ 77°F)
Operating temp	T _a = -25 to 35°C (T _c max = 65°C) T _a = -13 to 95°F (T _c max = 147.2°F)
IP rating	IP20
Finish	Silver anodised
Cover/lens	No Cover/Semi-diffused/14° lens accessory
Mounting	Surface mounting via magnet
Connection	Hardwire tails or male/female connectors
Control	0-10V/1-10V/DMX/DALI (see visDIM range)



LED Grading Key

Exclusive Grade

- n-line*** Full visible spectrum
NO UV or IR 380nm-780nm
3-step CCT range *KKDC tuned CCT range
- s-line*** 2-step CCT range
- e-line*** 3-step CCT range

Base Grade

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

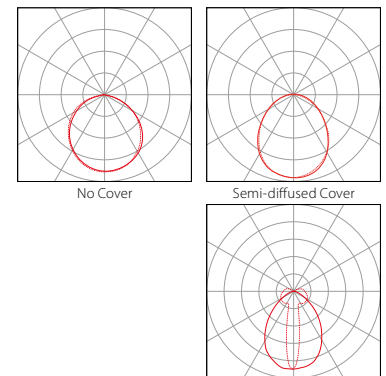
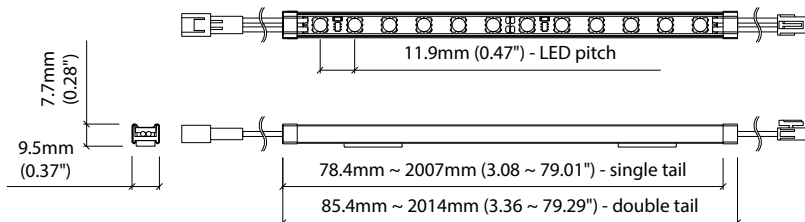
PERFORMANCE DATA @ 3000K

Power consumption	Supply voltage	Supply current
17.5W/m (5.33W/ft)	24V DC	0.73A/m (0.22A/ft)

Colour Rendering Index (CRI)

	R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14
n-line	99	99	98	97	99	97	94	90	78	98	97	92	99	98
k-line	94	97	98	93	93	96	92	83	60	93	94	82	95	99

	No Cover	Semi-diffused	KKLN-01 14°	CRI	R9	Rf	Rg
n-line	1160lm/m (354lm/ft) 66.1lm/W	970lm/m (296lm/ft) 55.4lm/W	1090lm/m (332lm/ft) 62.3lm/W	97	78	94	101
s/e-line	1720lm/m (524lm/ft) 98lm/W	1450lm/m (442lm/ft) 83lm/W	1620lm/m (494lm/ft) 92.4lm/W	92	50	88	97
k-line	1530lm/m (466lm/ft) 87.6lm/W	1300lm/m (396lm/ft) 74.4lm/W	1400lm/m (427lm/ft) 80.1lm/W	92	60	90	100



— C0 / C180 cd / 1000 lm C90 / C270

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

Linear

TiMi-M 504

Specification sheet



Dimension	H7.7/W10/L114-2014mm (H0.3/W0.39/L4.49-79.29in) (Double tail) H7.7/W10/L107-2007mm (H0.3/W0.39/L4.21-79.01in) (Single tail)
PCB increment	100mm increment/2000mm max (3.94in increment/78.74in max)
LED pitch	16.7mm - 60LED/m (0.66in - 18LED/ft)
Chip	n/s/e-line Toyoda Gosei k-line Samsung
Beam angle	120° (No Cover) / 100° (Semi-diffused Cover) / 14° (KKLN-01D)
Colours	n-line 2700K/3000K s/e-line 2100K/2300K/2500K/2700K/3000K/3200K/3500K/4000K/5000K s-line Single colours: Red/Green/Blue/Orange/Amber k-line 1900K/2100K/2500K/2700K/3000K/3500K/4000K/5000K
Bin/Step	s-line 2 Step MacAdam ellipse n/e/k-line 3 Step MacAdam ellipse
CRI	≥ 90 (n-line ≥ 95)
Lifetime	50,000 hours @ 25°C (50,000 hours @ 77°F)
Operating temp	T _a = -25 to 50°C (T _c max = 70°C) T _a = -13 to 122°F (T _c max = 158°F)
IP rating	IP20
Finish	Silver anodised
Cover/lens	No Cover/Semi-diffused/14° lens accessory
Mounting	Surface mounting via magnet
Connection	Hardwire tails or male/female connectors
Control	0-10V/1-10V/DMX/DALI (see visDIM range)



LED Grading Key

Exclusive Grade

- n-line*** *KKDC tuned CCT range
Full visible spectrum
NO UV or IR 380nm-780nm
3-step CCT range
- s-line***
2-step CCT range
- e-line***
3-step CCT range

Base Grade

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

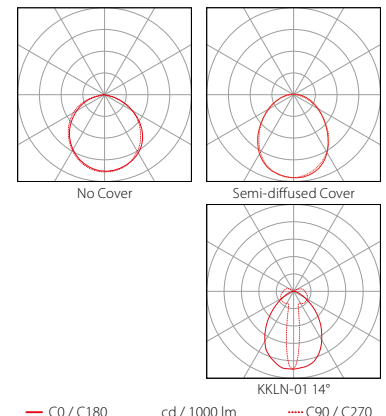
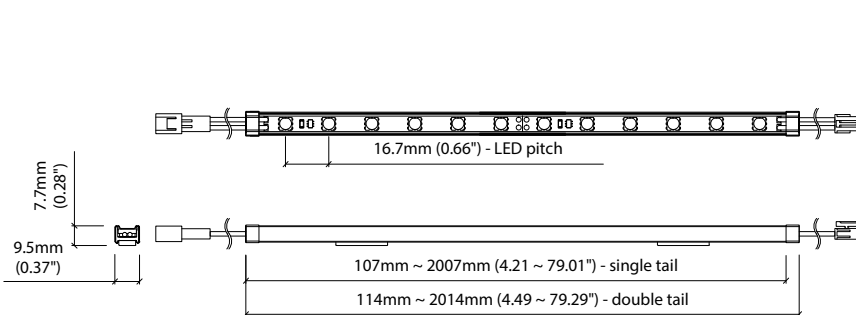
PERFORMANCE DATA @ 3000K

Power consumption	Supply voltage	Supply current
12.5W/m (3.81W/ft)	24V 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
n-line	99	99	98	98	99	97	94	90	79	98	97	92	99	98
k-line	94	97	98	93	93	96	92	83	60	93	94	82	95	99

	No Cover	Semi-diffused	KKLN-01 14°	CRI	R9	Rf	Rg
n-line	830lm/m (253lm/ft) 66.5lm/W	700lm/m (213lm/ft) 55.7lm/W	780lm/m (238lm/ft) 62.7lm/W	97	80	95	101
s/e-line	1240lm/m (378lm/ft) 99lm/W	1040lm/m (317lm/ft) 83lm/W	1120lm/m (341lm/ft) 89.7lm/W	92	50	88	97
k-line	1090lm/m (332lm/ft) 87.5lm/W	930lm/m (283lm/ft) 74.3lm/W	1000lm/m (305lm/ft) 80lm/W	92	60	90	100



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

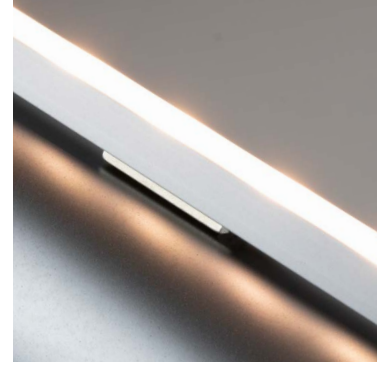
Linear

TiMi-M 007

Specification sheet



Dimension	H7.7/W10/L97.4-2014mm (H0.3/W0.39/L2.19-79.29in) (Double tail) H7.7/W10/L90.4-2007mm (H0.3/W0.39/L1.19-79.01in) (Single tail)
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 Samsung
Beam angle	120° (No Cover) / 100° (Semi-diffused Cover) / 14° (KKLN-01D)
Colours	s/e-line 2100K/2500K/2700K/3000K/3500K/4000K/5000K s-line Single colours: Red/Green/Blue/Orange/Amber k-line 1900K/2100K/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 50°C (T _c max = 71.2°C) T _a = -13 to 122°F (T _c max = 160.2°F)
IP rating	IP20
Finish	Silver anodised
Cover/lens	No Cover/Semi-diffused/14° lens accessory
Mounting	Surface mounting via magnet
Connection	Hardwire tails or male/female connectors
Control	0-10V/1-10V/DMX/DALI



LED Grading Key

Exclusive Grade	
s-line* 2-step CCT range	*KKDC tuned CCT range
e-line* 3-step CCT range	
Base Grade	
k-line 3-step commercial range Energy Star CCTs	

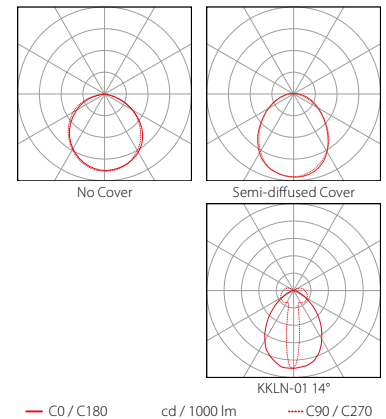
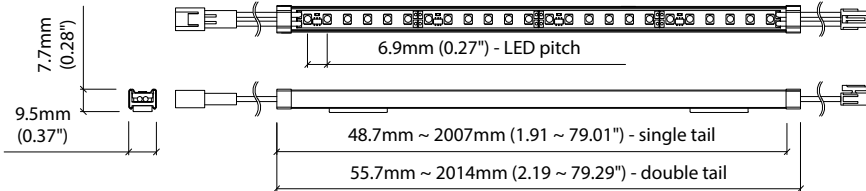
PERFORMANCE DATA @ 3000K

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

	No Cover	Semi-diffused	KKLN-01 14°	CRI	R9	Rf	Rg
s/e-line	950lm/m (290lm/ft) 87.3lm/W	810lm/m (247lm/ft) 74.1lm/W	870lm/m (265lm/ft) 79.8lm/W	93	63	91	100
k-line	940lm/m (287lm/ft) 86lm/W	800lm/m (244lm/ft) 73lm/W	860lm/m (262lm/ft) 78.6lm/W	92	60	90	100



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

Linear

TiMi-M 352

Specification sheet



Dimension	H7.7/W10/L97.3-2014mm (H0.3/W0.39/L3.83-79.29in) (Double tail) H7.7/W10/L90.3-2007mm (H0.3/W0.39/L3.56-79.01in) (Single tail)
PCB increment	83.3mm increment/2000mm max (3.28in increment/78.74in max)
LED pitch	13.9mm - 72LED/m (0.55in - 22LED/ft)
Chip	s/e-line Toyoda Gosei k-line Samsung
Beam angle	120° (No Cover) / 100° (Semi-diffused Cover) / 14° (KKLN-01D)
Colours	s/e-line 2100K/2500K/2700K/3000K/3500K/4000K/5000K s-line Single colours: Red/Green/Blue/Orange/Amber k-line 1900K/2100K/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 = 167°F)
IP rating	IP20
Finish	Silver anodised
Cover/lens	No Cover/Semi-diffused/14° lens accessory
Mounting	Surface mounting via magnet
Connection	Hardwire tails or male/female connectors
Control	0-10V/1-10V/DMX/DALI



LED Grading Key

Exclusive Grade

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

Base Grade

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

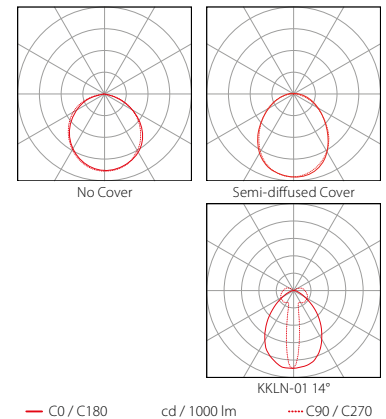
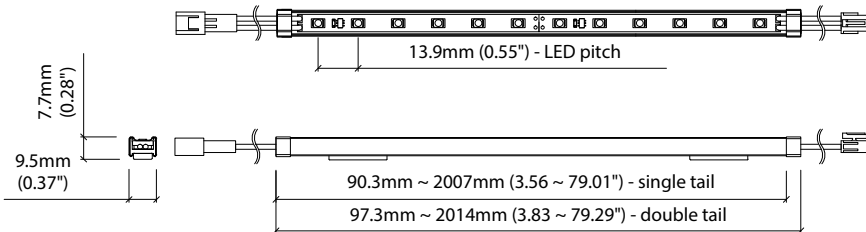
PERFORMANCE DATA @ 3000K

Power consumption	Supply voltage	Supply current
5.5W/m (1.67W/ft)	24V DC	0.23A/m (0.07A/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

	No Cover	Semi-diffused	KKLN-01 14°	CRI	R9	Rf	Rg
s/e-line	510lm/m (155lm/ft) 93.2lm/W	440lm/m (134lm/ft) 79.2lm/W	470lm/m (143lm/ft) 85.2lm/W	93	63	91	100
k-line	500lm/m (152lm/ft) 91.8lm/W	430lm/m (131lm/ft) 78lm/W	460lm/m (140lm/ft) 83.9lm/W	92	60	90	100



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