

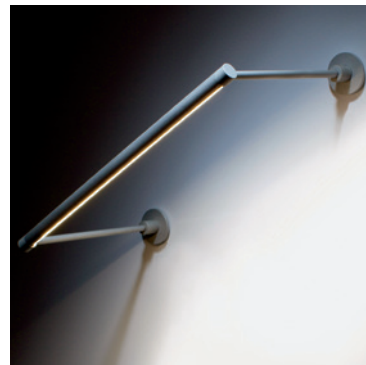
Linear

# PICO 508

## Specification sheet



<b>Dimension</b>	H44/W212.6/Ø16/L119-1048mm (H1.73/W8.37/Ø0.63/L4.70-41.26in) (Length excludes mounting plates)
<b>PCB increment</b>	71.4mm increment/2000mm max (2.81in increment/78.74in max)
<b>LED pitch</b>	11.9mm - 84LED/m (0.47in - 26LED/ft)
<b>Chip</b>	<b>n/s/e-line</b> Toyoda Gosei <b>k-line</b> Samsung
<b>Beam angle</b>	90° (No Cover) / 110°(Diffused Cover)
<b>Colours</b>	<b>n-line</b> 2700K/3000K <b>s/e-line</b> 2100K/2300K/2500K/2700K/3000K/3200K/3500K/4000K/5000K <b>k-line</b> 1900K/2100K/2500K/2700K/3000K/3500K/4000K/5000K
<b>Bin/Step</b>	<b>s-line</b> 2-step MacAdam ellipse <b>n/e/k-line</b> 3-step MacAdam ellipse
<b>CRI</b>	≥ 90 (n-line ≥ 95)
<b>Lifetime</b>	35,000 hours @ 25°C (35,000 hours @ 77°F)
<b>Operating temp</b>	T <sub>a</sub> = -25 to 45°C (T <sub>c</sub> max = 69°C) T <sub>a</sub> = -13 to 113°F (T <sub>c</sub> max = 156.2°F)
<b>IP rating</b>	IP40 (diffused Cover)/IP20 (No Cover)
<b>Finish</b>	Silver anodised
<b>Cover/lens</b>	No Cover/Diffused
<b>Mounting</b>	Surface mounted wall brackets
<b>Power feed</b>	Hardwire tails (Polarity split between mounting arms)
<b>Control</b>	0-10V/1-10V/DMX/DALI



### LED Grading Key

<b>Exclusive Grade</b>	
<b>n-line*</b>	*KKDC tuned CCT range
Full visible spectrum NO UV or IR 380nm-780nm 3-step CCT range	
<b>s-line*</b>	2-step CCT range
<b>e-line*</b>	3-step CCT range
<b>Base Grade</b>	
<b>k-line</b>	3-step commercial range Energy Star CCTs

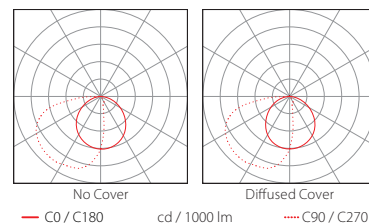
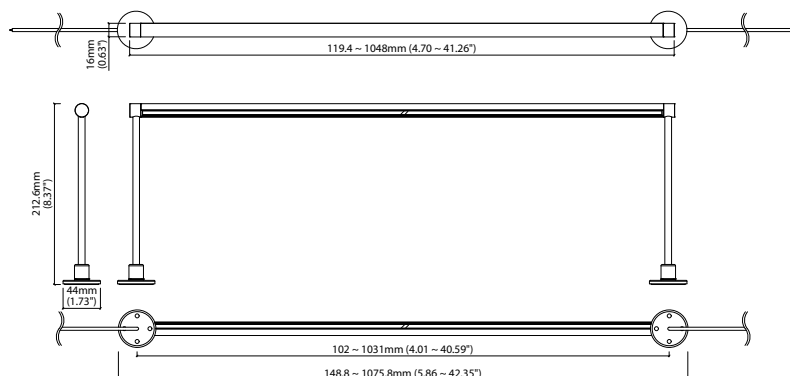
### PERFORMANCE DATA @ 3000K

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
<b>n-line</b>	99	99	98	97	99	97	94	90	78	98	97	92	99	98
<b>k-line</b>	94	97	98	93	93	96	92	83	60	93	94	82	95	99

	No Cover		Diffused Cover		CRI	R9	Rf	Rg
<b>n-line</b>	970lm/m (296lm/ft)	55.7lm/W	800lm/m (244lm/ft)	45.5lm/W	97	78	-	-
<b>s/e-line</b>	1440lm/m (439lm/ft)	82.5lm/W	1180lm/m (360lm/ft)	67.5lm/W	91	50	-	-
<b>k-line</b>	1380lm/m (421lm/ft)	78.8lm/W	680lm/m (207lm/ft)	38.8lm/W	92	60	-	-



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

# PICO 508

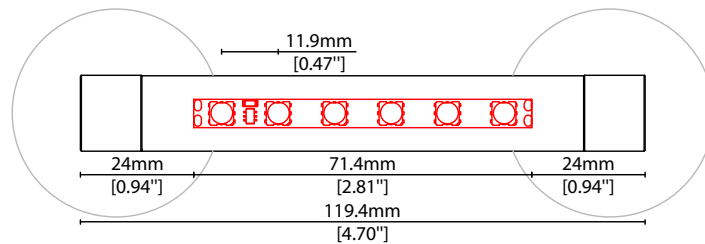
## Length Availability List



Length Code		Fixture Length <sup>1</sup>		LED Strip		End Cap Dimension <sup>2</sup>		Wattage (W)	Output (lm)	
Metric	Imperial(US)	Metric	Imperial(US)	Metric	Imperial(US)	Metric	Imperial(US)		3000K (Test Data)	Range Data
m0119	i0005	119mm	4.70in	71mm	2.81in	48mm	1.89in	1.25	103	39-107
m0191	i0008	191mm	7.51in	143mm	5.62in	48mm	1.89in	2.50	206	78-215
m0262	i0010	262mm	10.33in	214mm	8.44in	48mm	1.89in	3.75	309	116-322
m0334	i0013	334mm	13.14in	286mm	11.25in	48mm	1.89in	5.00	413	155-429
m0405	i0016	405mm	15.95in	357mm	14.06in	48mm	1.89in	6.25	516	194-536
m0476	i0019	477mm	18.76in	429mm	16.87in	48mm	1.89in	7.50	619	233-644
m0548	i0022	548mm	21.58in	500mm	19.69in	48mm	1.89in	8.75	722	272-751
m0619	i0024	619mm	24.39in	571mm	22.50in	48mm	1.89in	10.00	825	310-858
m0691	i0027	691mm	27.20in	643mm	25.31in	48mm	1.89in	11.25	928	349-965
m0762	i0030	762mm	30.01in	714mm	28.12in	48mm	1.89in	12.50	1031	388-1073
m0834	i0033	834mm	32.82in	786mm	30.93in	48mm	1.89in	13.75	1134	427-1180
m0905	i0036	905mm	35.64in	857mm	33.75in	48mm	1.89in	15.00	1238	466-1287
m0976	i0038	977mm	38.45in	929mm	36.56in	48mm	1.89in	16.25	1341	504-1394
m1048	i0041	1048mm	41.26in	1000mm	39.37in	48mm	1.89in	17.50	1444	543-1502

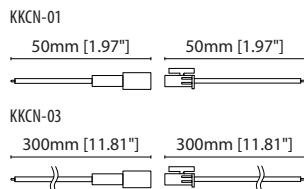
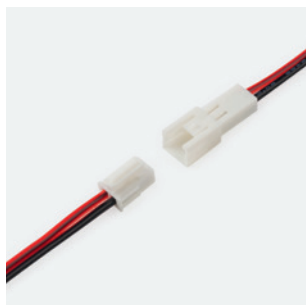
<sup>1</sup> Length of fixture including aluminium extrusion and end clamps

<sup>2</sup> Overall dimension including both end caps and internal wiring space

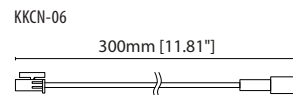


## POWER FEED

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



**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  
Black plastic housing  
L164/W64/H34mm  
(L6.46/W2.52/H1.34in)

**KKDM-05** 1-10V  
visDIM dimmable sub-controller



IP20  
Black plastic housing  
L164/W64/H34mm  
(L6.46/W2.52/H1.34in)

**KKSC-03A** DMX (screw terminal)  
visDIM dimmable sub-controller



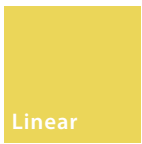
IP20  
Black plastic housing  
L164/W64/H34mm  
(L6.46/W2.52/H1.34in)

**KKSC-03B** DMX (RJ45)  
visDIM dimmable sub-controller



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)



# PICO 508

## Accessories



### KKDC CONTROL (CONTINUED)

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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-05	90-295V	24V	2.5A	60W	100-0.9	IP67/IP20
	HLG-60H-24	KKDM-05	90-295V	24V	2.5A	60W	100-0.9	IP67/IP20
	HLG-100H-24	KKDM-05	90-295V	24V	4.0A	100W	100-0.9	IP67/IP20
	HLG-150H-24	KKDM-05	90-295V	24V	6.3A	150W	100-0.9	IP67/IP20
	HLG-240H-24	KKDM-05	90-295V	24V	10.0A	240W	100-0.9	IP67/IP20
	CEN-60-24	KKDL-02/03	90-295V	24V	2.5A	60W	100-0.1	IP67/IP20
DALI	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-03	90-295V	24V	2.5A	60W	100-0.9	IP67/IP20
	HLG-60H-24	KKSC-03	90-305V	24V	2.5A	60W	100-0.9	IP67/IP20
	HLG-100H-24	KKSC-03	90-305V	24V	4A	100W	100-0.9	IP67/IP20
	HLG-150H-24	KKSC-03	90-305V	24V	6.3A	150W	100-0.9	IP67/IP20
	HLG-240H-24	KKSC-03	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