



# LiNi-S XL 504

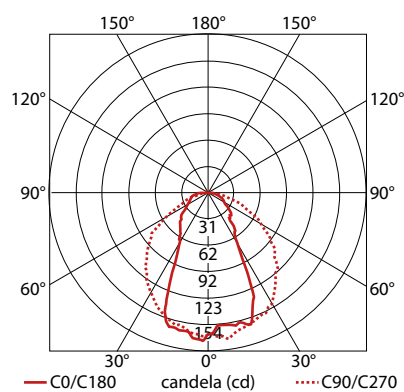
## Specification sheet



24V DC	12.24 W/m	3.73 W/ft	≤57.2 lm/W	IP40		
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### PRODUCT SPECIFICATION

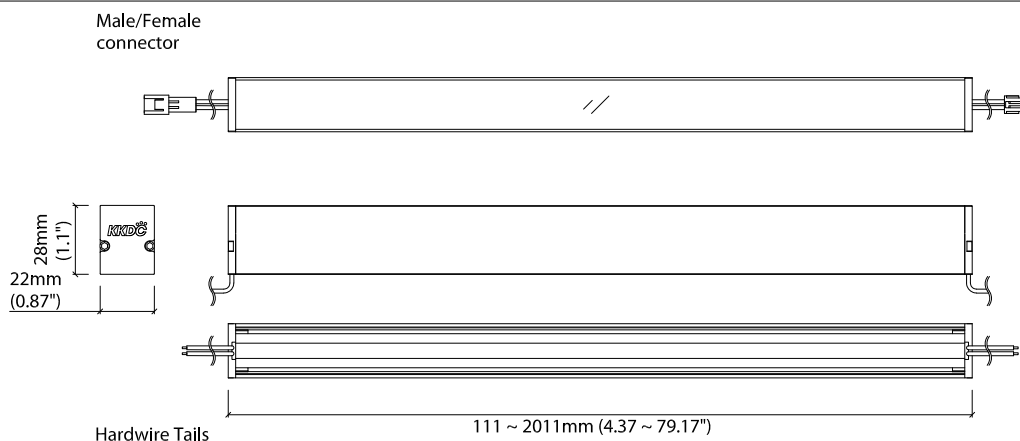
<b>Dimension</b>	H28/W22/L111-2011mm (H1.1/W0.87/L4.37-79.17in)
<b>PCB increment</b>	100mm increment/2000mm max (3.94in increment/78.74in max)
<b>LED pitch</b>	16.7mm - 60LED/m (0.66in - 18.29LED/ft)
<b>Chip</b>	Toyoda Gosei
<b>Beam angle</b>	50° (Clear cover)
<b>Colours</b>	White: 2100K/2300K/2500K/2700K/3000K/3200K/3500K/3800K/5000K Single colours: Red/Green/Blue/Orange/Amber
<b>Bin/Step</b>	line 3 Step MacAdam ellipse line 2 Step MacAdam ellipse line 3 Step MacAdam ellipse
<b>CRI</b>	≥ 90
<b>Lifetime</b>	50,000 hours @ 25°C (50,000 hours @ 77°F)
<b>Operating temp</b>	T <sub>a</sub> = -25 to 50°C (T <sub>c</sub> max = 62.8°C) T <sub>a</sub> = -13 to 122°F (T <sub>c</sub> max = 145°F)
<b>IP Rating</b>	IP40
<b>Finish :</b>	Silver anodised
<b>Cover/lens :</b>	Diffused/Clear
<b>Mounting :</b>	Surface mounting via concealed clips or cable raceway
<b>Connection :</b>	Hardwire tails or male/female connectors
<b>Control :</b>	0-10V/1-10V/DMX/DALI (see visDIM range)



### PERFORMANCE DATA for 3000K / Clear cover

<b>Power consumption</b>	12.24W/m (3.73W/ft)
<b>Supply voltage</b>	24V DC
<b>Supply current</b>	0.51A/m (0.155A/ft)
<b>Luminous flux</b>	≤ 700lm/m (≤ 213lm/ft)

### TECHNICAL DRAWING



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



# LiNi-S XL 504

## Photometric Test Report



### PRODUCT DETAILS

Product name :	LiNi-S XL 504, Clear
Stated output :	564lm per metre
Description:	Linear LED, 3200K, 24V, 12.24W per metre
Quantity/length of product tested :	1 x 116mm
Bin tolerance/#. MacAdams ellipse of chip :	2 Step MacAdam ellipse (+/- 96K)

### ELECTRICAL CHARACTERISTICS

Input Voltage (V DC) :	24.01
Input power (W DC) :	1.28
Input Current (mA DC) :	53

### LIGHT OUTPUT

Total light output (Lumens) :	59
Luminaire efficacy (lm/W) :	46.01
Beam angle :	54°

### COLOUR CHARACTERISTICS

Correlated colour temperature (CCT) :	3199K
Colour rendering index (CRI Ra) :	92
Chromaticity coordinates (CIE 1931 - x,y) :	0.4235, 0.3993
Duv :	0.0001

### TEST DETAILS

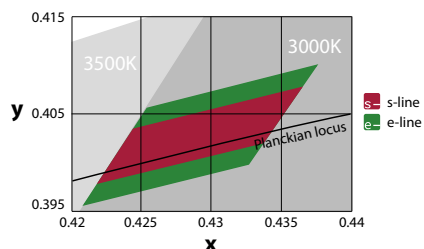
Test Standards :	Data from independent UKAS accredited IESNA LM-79-08 testing of production samples.
Number of hours operated prior to test measurement :	Clear 45/ Diffused 45
Stabilisation time (minutes) :	45
Test orientation :	Base Down
Ambient test temperature :	25.4°C
Data measured at luminaire :	V,W,mA,lm/W

### COLOUR RENDERING INDEX (CRI)

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14
93.6	94.1	91.6	93.4	91.5	91.2	93.8	83.8	58.9	82.8	92.7	68.4	93.9	94.1

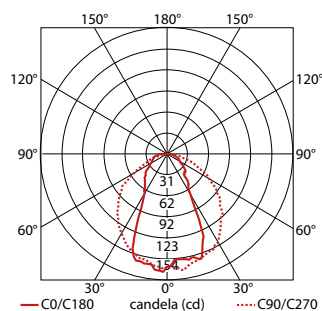
### KKDC BIN DETAILS (CIE 1931)

Source LED details



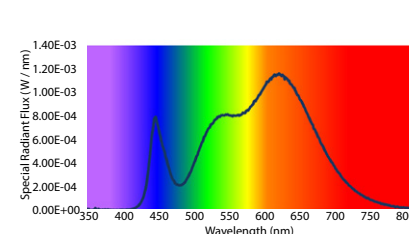
### POLAR CURVE

Clear results



### SPECTRAL RADIANT FLUX VERSUS WAVELENGTH

Clear results



### TEST SPECIFICATIONS

Test Lab :	LUX-TSI Ltd, Pencoed Technology Park, CF35 5HZ, UK
Test equipment :	40-inch (1metre) Integrating Sphere Spectroradiometer System. Fluke 289 True RMS Multimeter. Yokogawa TY720 Digital Multimeter.
Measurement uncertainty :	Total Luminous Flux +/-5.6%, CCT +/-100K, CRI +/-2

