



# LiNi-R XL 504

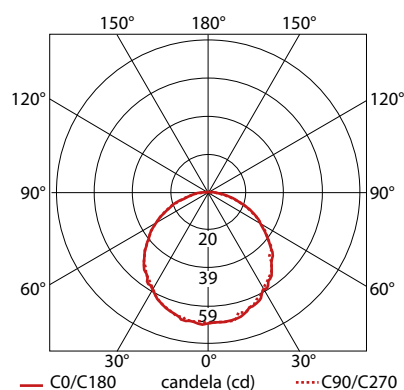
## Specification sheet



24V DC	12.24 W/m	3.73 W/ft	41.1 lm/W	IP40		
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### PRODUCT SPECIFICATION

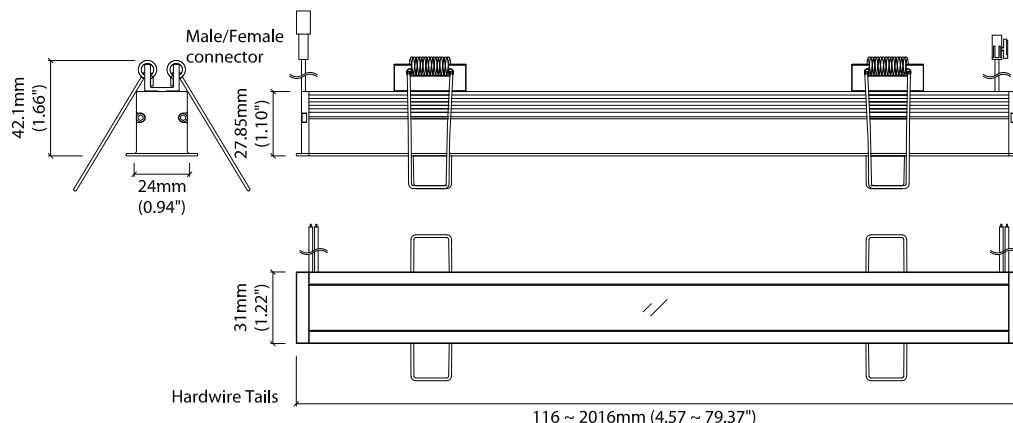
<b>Dimension</b>	H42.1/W31/L116-2016mm (H1.66/W1.22/L4.57-79.37in)
<b>PCB increment</b>	100mm increment/2000mm max (3.94in increment/78.74in max)
<b>LED pitch</b>	16.7mm - 60LED/m (0.66in - 18.29LED/ft)
<b>Chip</b>	Toyoda Gosei
<b>Beam angle</b>	Diffused
<b>Colours</b>	White: 2100K/2300K/2500K/2700K/3000K/3200K/3500K/3800K/5000K Single colours: Red/Green/Blue/Orange/Amber
<b>Bin/Step</b>	S-line 2 Step MacAdam ellipse E-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 60°C (T <sub>c</sub> max = 66°C) T <sub>a</sub> = -13 to 140°F (T <sub>c</sub> max = 150.8°F)
<b>IP Rating</b>	IP40
<b>Finish</b>	Silver anodised
<b>Cover/lens</b>	Diffused
<b>Mounting</b>	Recessed mounting via spring clip
<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

<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>	503lm/m (153lm/ft)

### TECHNICAL DRAWING



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

See KKDC website for product document updates.

[www.kkdc.lighting](http://www.kkdc.lighting)

LiNiRXL504S-01EN-20170718



# LiNi-R XL 504

## Photometric Test Report



### PRODUCT DETAILS

Product name :	LiNi-R XL 504
Stated output :	366lm per metre
Description:	Linear recessed 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
Input power (W DC) :	1.28
Input Current (mA DC) :	53

### LIGHT OUTPUT

Total light output (Lumens) :	38
Luminaire efficacy (lm/W) :	29.94
Beam angle :	113°

### COLOUR CHARACTERISTICS

Correlated colour temperature (CCT) :	3190K
Colour rendering index (CRI Ra) :	92
Chromaticity coordinates (CIE 1931 - x,y) :	0.4238, 0.3991
Duv :	0.0003

### TEST DETAILS

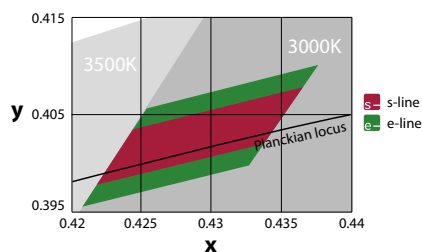
Test Standards :	Data from independent UKAS accredited IESNA LM-79-08 testing of production samples.
Number of hours operated prior to test measurement :	24
Stabilisation time (minutes) :	45
Test orientation :	Base Down
Ambient test temperature :	25.0 °C
Data measured at luminaire :	V,W,mA,lm/W

### COLOUR RENDERING INDEX (CRI)

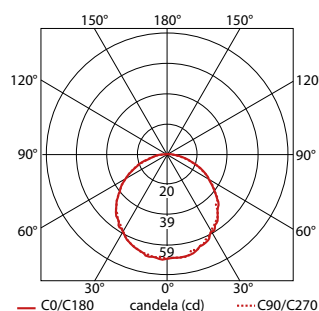
R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14
94.3	94.4	91.5	94.0	92.2	91.7	94.2	85.1	61.9	83.6	93.3	69.5	94.6	94.0

### KKDC BIN DETAILS (CIE 1931)

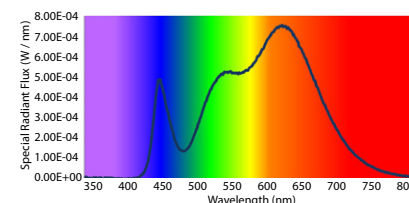
Source LED details



### POLAR CURVE



### SPECTRAL RADIANT FLUX VERSUS WAVELENGTH



### 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

