





LiNi-R XL 508

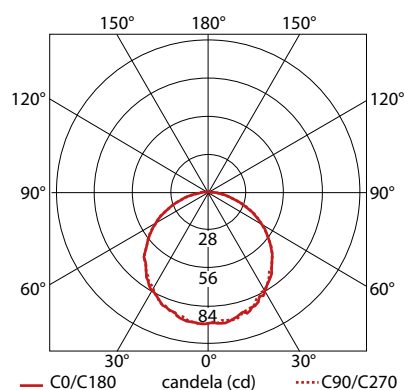
Specification sheet

KKDC

24V DC	17.28 W/m	5.27 W/ft	40.7 lm/W	IP40	UL US LISTED E356145	CE
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PRODUCT SPECIFICATION

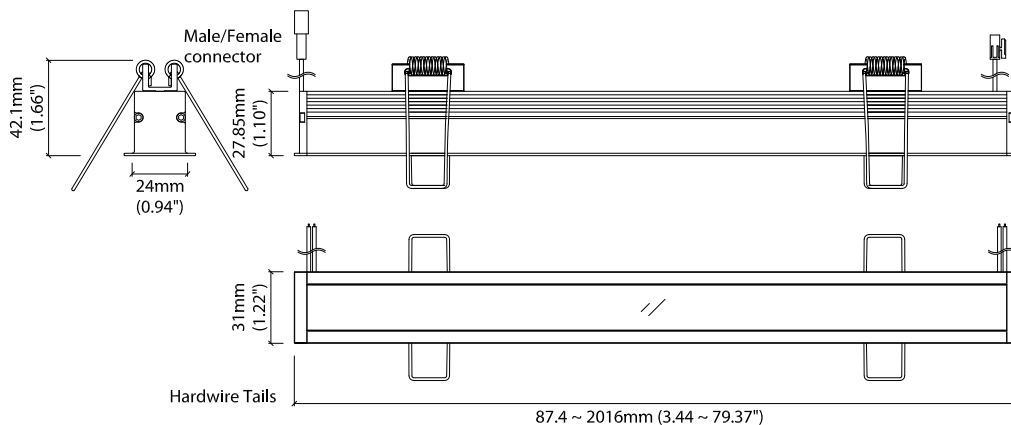
Dimension	H42.1/W31/L87.4-2016mm (H1.66/W1.22/L3.44-79.37in)
PCB increment	71.4mm increment/2000mm max (2.81in increment/78.74in max)
LED pitch	11.9mm - 84LED/m (0.47in - 25.6LED/ft)
Chip	Toyoda Gosei
Beam angle	Diffused
Colours	White: 2100K/2300K/2500K/2700K/3000K/3200K/3500K/3800K/5000K
Bin/Step	 Line 2 Step MacAdam ellipse  Line 3 Step MacAdam ellipse
CRI	≥ 90
Lifetime	50,000 hours @ 25°C (50,000 hours @ 77°F)
Operating temp	T _a = -25 to 55°C (T _c max = 64°C) T _a = -13 to 131°F (T _c max = 147.2°F)
IP Rating	IP40
Finish	Silver anodised
Cover/lens	Diffused
Mounting	Recessed mounting via spring clip
Connection	Hardwire tails or male/female connectors
Control	0-10V/1-10V/DMX/DALI (see visDIM range)



PERFORMANCE DATA for 3000K

Power consumption	17.28W/m (5.27W/ft)
Supply voltage	24V DC
Supply current	0.72A/m (0.22A/ft)
Luminous flux	703lm/m (214lm/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

LiNiRXL508S-01EN-20170718



LiNi-R XL 508

Photometric Test Report



PRODUCT DETAILS

Product name :	LiNi-R XL 508
Stated output :	531lm per metre
Description:	Linear recessed LED, 3200K, 24V, 17.28W per metre
Quantity/length of product tested :	1 x 87,4mm
Bin tolerance/#. MacAdams ellipse of chip :	2 Step MacAdam ellipse (+/- 96K)

ELECTRICAL CHARACTERISTICS

Input Voltage (V DC) :	24
Input power (W DC) :	1.27
Input Current (mA DC) :	53

LIGHT OUTPUT

Total light output (Lumens) :	39
Luminaire efficacy (lm/W) :	30.73
Beam angle :	113°

COLOUR CHARACTERISTICS

Correlated colour temperature (CCT) :	3143K
Colour rendering index (CRI Ra) :	92
Chromaticity coordinates (CIE 1931 - x,y) :	0.4277, 0.4021
Duv :	0.0002

TEST DETAILS

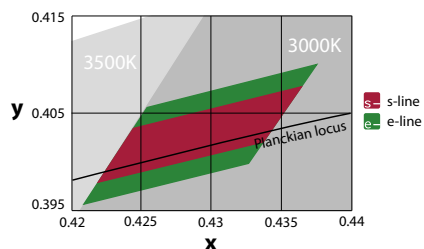
Test Standards :	Data from independent UKAS accredited IESNA LM-79-08 testing of production samples.
Number of hours operated prior to test measurement :	24
Stabilisation time (minutes) :	45
Test orientation :	Base Down
Ambient test temperature :	24.9°C
Data measured at luminaire :	V,W,mA,lm/W

COLOUR RENDERING INDEX (CRI)

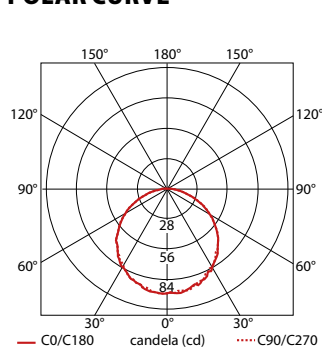
R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14
93.6	94.1	91.6	93.6	91.5	91.3	94.1	84.1	59.6	82.8	92.9	68.8	93.9	94.0

KKDC BIN DETAILS (CIE 1931)

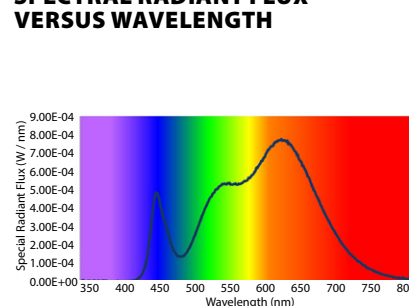
Source LED details



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

