



KKSL 504

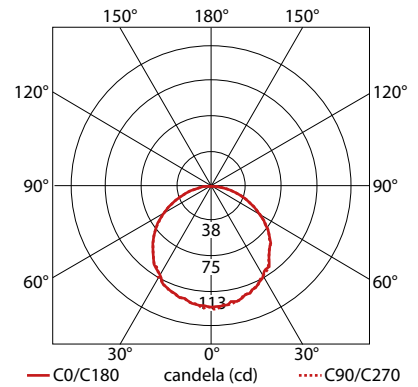
Specification sheet



24V DC	12.24 W/m	3.73 W/ft	≤75.7 lm/W	IP67	UL LISTED E356145	CE
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PRODUCT SPECIFICATION

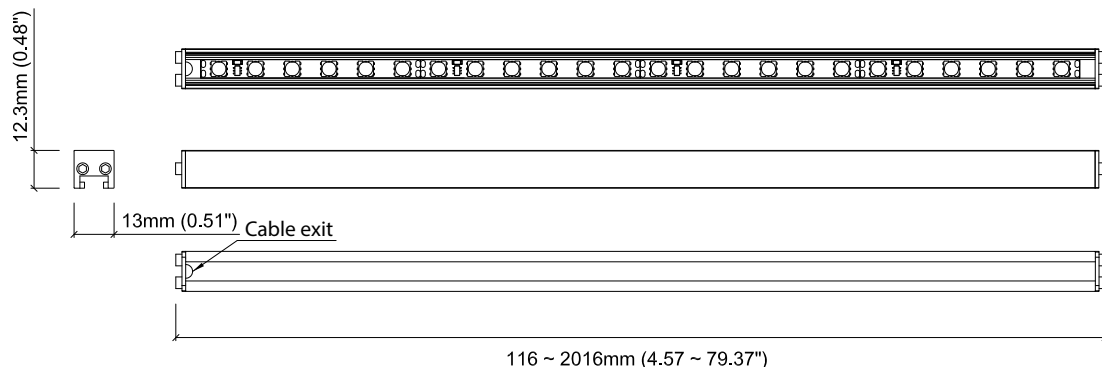
Dimension	H12.3/W13/L116-2016mm (H0.48/W0.51/L4.57-79.37in)
PCB increment	100mm increment/2000mm max (3.94in increment/78.74in max)
LED pitch	16.7mm - 60LED/m (0.66in - 18.29LED/ft)
Chip	Toyoda Gosei
Beam angle	110°
Colours	White: 2100K/2300K/2500K/2700K/3000K Single colours: Red/Green/Blue/Orange/Amber
Bin/Step	<ul style="list-style-type: none"> Line 3 Step MacAdam ellipse 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 50°C (T _c max = 65°C) T _a = -13 to 122°F (T _c max = 149°F)
IP rating	IP67
Finish	Silver anodised
Cover/lens	Silicone potted
Mounting	Surface mounting via clips or brackets
Connection	Sheathed hardwire tails or male/female connectors
Control	0-10V/1-10V/DMX/DALI (see visDIM range)



PERFORMANCE DATA for 3000K

Power consumption	12.24W/m (3.73W/ft)
Supply voltage	24V DC
Supply current	0.51A/m (0.155A/ft)
Luminous flux	≤ 927lm/m (≤ 283lm/ft)

TECHNICAL DRAWING



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



KKSL 504

Photometric Test Report



PRODUCT DETAILS

Product name : KKSL 504
Stated output : 750lm per metre
Description: IP67 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 (+/- 91K)

ELECTRICAL CHARACTERISTICS

Input Voltage (V DC) : 24.01
Input power (W DC) : 1.3
Input Current (mA DC) : 54

LIGHT OUTPUT

Total light output (Lumens) : 79
Luminaire efficacy (lm/W) : 61.27
Beam angle : 114°

TEST DETAILS

Test Standards : Accredited IESNA LM-79-08
Number of hours operated prior to test measurement : 24
Stabilisation time (minutes) : 45
Test orientation : Base Down
Ambient test temperature : 24.6°
Data measured at luminaire : V,W,mA,lm/W

COLOUR CHARACTERISTICS

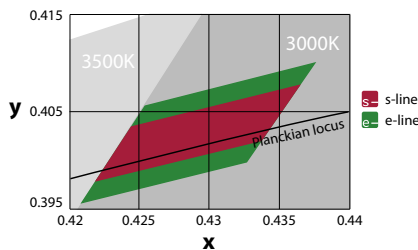
Correlated colour temperature (CCT) : 4127K
Colour rendering index (CRI, Ra) : 93
Chromaticity coordinates (CIE 1931 - x,y) : 0.3772, 0.3827
Duv : 0.0044

COLOUR RENDERING INDEX (CRI)

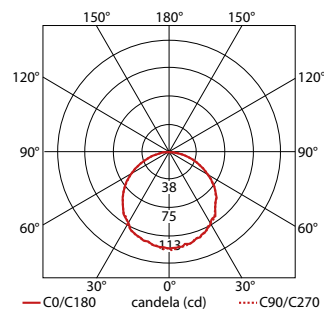
R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14
94.3	94.3	91.4	93.7	91.1	90.4	96.6	88.4	67.1	82.9	92.6	59.9	94.5	94.3

KKDC BIN DETAILS (CIE 1931)

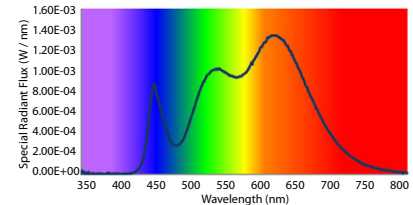
Source LED details



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

