Linear

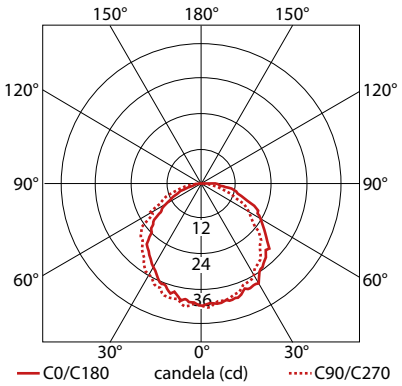
KKSL 352

Specification sheet

24V DC | 5.52 W/m | 1.68 W/ft | 56.6 lm/W | IP67 | c UL us LISTED E356145 | CE

PRODUCT SPECIFICATION

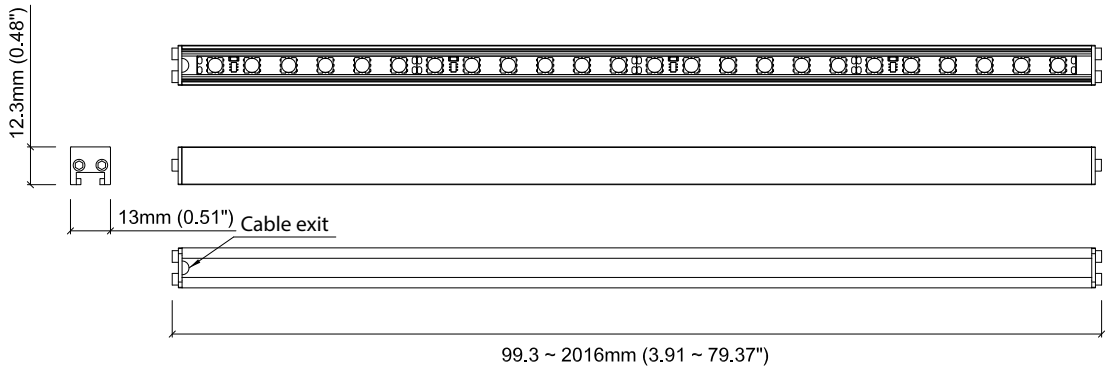
Dimension	H12.3/W13/L99.3-2016mm (H0.48/W0.51/L3.91-79.37in)
PCB increment	83.3mm increment/2000mm max (3.28in increment/78.74in max)
LED pitch	13.9mm - 72LED/m (0.55in - 21.95LED/ft)
Chip	Toyoda Gosei
Beam angle	110°
Colours	White: 2100K/2300K/2500K/2700K/3000K Single colours: Red/Green/Blue/Orange/Amber
Bin/Step	Standard line 2 Step MacAdam ellipse Extended 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 = 60°C) T_a= -13 to 122°F (T_c max = 140°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	5.52W/m (1.68W/ft)
Supply voltage	24V DC
Supply current	0.23A/m (0.07A/ft)
Luminous flux	312lm/m (95lm/ft)

TECHNICAL DRAWING



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

Linear

KKSL 352

Photometric Test Report

KKDC

s-line

PRODUCT DETAILS

Product name :	KKSL 352
Stated output :	257lm per metre
Description:	IP67 Linear LED, 3200K, 24V, 5.52W per metre
Quantity/length of product tested :	1 x 99.3mm
Bin tolerance/#. MacAdams ellipse of chip :	2 Step MacAdam ellipse (+/- 96K)

ELECTRICAL CHARACTERISTICS

Input Voltage (V DC) :	24.01
Input power (W DC) :	0.46
Input Current (mA DC) :	19

LIGHT OUTPUT

Total light output (Lumens) :	22
Luminaire efficacy (lm/W) :	46.49
Beam angle :	115°

COLOUR CHARACTERISTICS

Correlated colour temperature (CCT) :	3384K
Colour rendering index (CRI, Ra) :	91
Chromaticity coordinates (CIE 1931 - x,y) :	0.4146, 0.4007
Duv : 0.0019	

TEST DETAILS

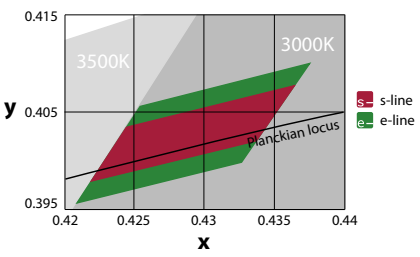
Test Standards :	Accredited IESNA LM-79-08
Number of hours operated prior to test measurement :	24
Stabilisation time (minutes) :	47
Test orientation :	Base Down
Ambient test temperature :	24.9°C
Data measured at luminaire :	V,W,mA,lm/W

COLOUR RENDERING INDEX (CRI)

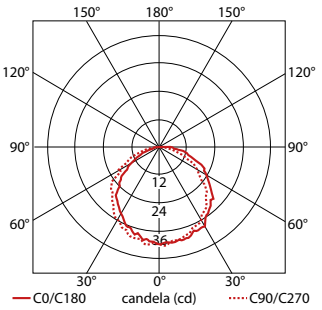
R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14
93.0	92.8	90.0	93.5	90.6	89.5	94.8	84.4	57.6	79.8	92.6	64.5	93.0	93.2

KKDC BIN DETAILS (CIE 1931)

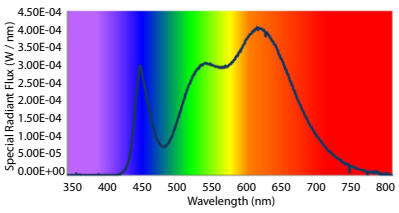
Source LED details



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

LUX-TSI