



# MiMi 504

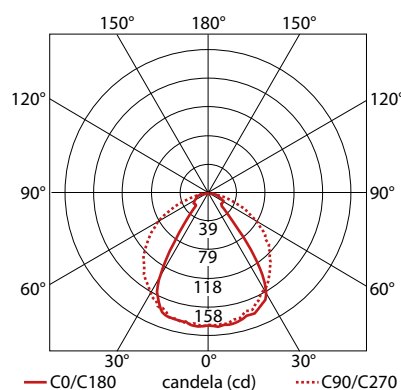
## Specification sheet



24V DC	12.24 W/m	3.73 W/ft	≤65.3 lm/W	IP54/67	UL LISTED E356145	CE
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### PRODUCT SPECIFICATION

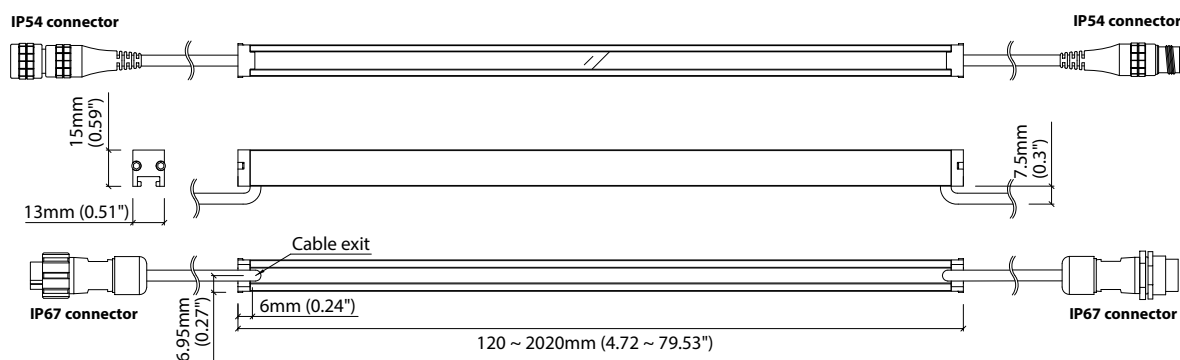
<b>Dimension</b>	H15/W13/L120-2020mm (H0.59/W0.51/L4.72-79.53in)
<b>PCB increment</b>	100mm increment/2000mm max (3.94in increment/78.74in max)
<b>LED pitch</b>	16.7mm - 60LED/m (0.66in - 18.29LED/ft)
<b>Chip</b>	Toyoda Gosei
<b>Beam angle</b>	75° (Clear cover)
<b>Colours</b>	White: 2100K/2300K/2500K/2700K/3000K/3200K/3500K/3800K/5000K 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 55°C (T <sub>c</sub> max = 75°C) T <sub>a</sub> = -13 to 131°F (T <sub>c</sub> max = 167°F)
<b>IP Rating</b>	IP54/67
<b>Finish</b>	Silver anodised
<b>Cover/lens</b>	Diffused/Clear
<b>Mounting</b>	Surface mounting via clips or brackets
<b>Connection</b>	Sheathed 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>	≤ 799lm/m (≤ 244lm/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)

MiMi504S-01EN-20170718



# MiMi 504

## Photometric Test Report



### PRODUCT DETAILS

Product name :	MiMi 504
Stated output :	750lm per metre
Description:	Covered linear LED, 3200K, 24V, 12.24W per metre
Quantity/length of product tested :	1 x 120mm
Bin tolerance/#. MacAdams ellipse of chip :	2 Step MacAdam ellipse (+/- 91K)

### ELECTRICAL CHARACTERISTICS

Input Voltage (V DC) :	24.01
Input power (W DC) :	1.26
Input Current (mA DC) :	52

### LIGHT OUTPUT

Total light output (Lumens) :	Clear :77, Diffused :51
Luminaire efficacy (lm/W) :	Clear : 61.28, Diffused : 40.74
Beam angle :	76°

### 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 :	Clear : 25.4°C, Diffused : 25.3°C
Data measured at luminaire :	V,W,mA,lm/W

### COLOUR CHARACTERISTICS

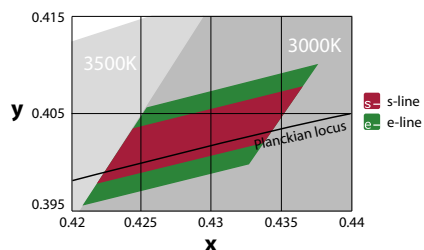
Correlated colour temperature (CCT) :	Clear : 3077K, Diffused : 3007K
Colour rendering index (CRI, Ra) :	Clear : 91, Diffused : 93
Chromaticity coordinates (CIE 1931 - x, y) :	Clear : 0.4319, 0.4031
Duv :	0.0003

### COLOUR RENDERING INDEX (CRI) Clear results

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14
92.7	94.0	92.5	92.7	90.9	91.6	93.0	81.8	55.1	82.9	92.4	69.5	93.3	94.6

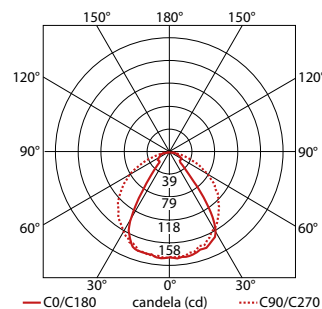
### KKDC BIN DETAILS (CIE 1931)

Source LED details



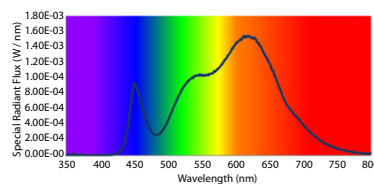
### POLAR CURVE

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

