



# TiMi 208

## Specification sheet



24V DC

15.55  
W/m

4.74  
W/ft

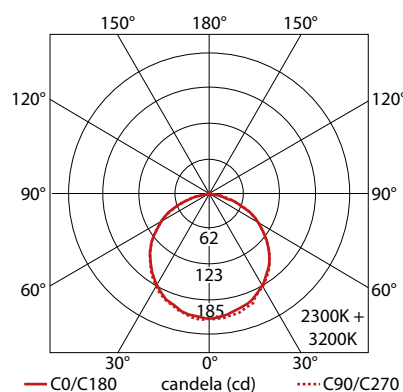
107.5  
lm/W

IP20



### PRODUCT SPECIFICATION

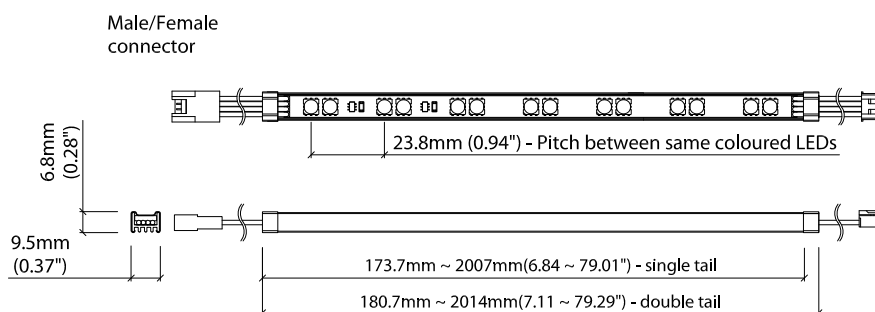
<b>Dimension</b>	H6.8/W9.5/L180.7-2014mm (H0.27/W0.37/L7.11-79.29in) (Double tail) H6.8/W9.5/L173.7-2007mm (H0.27/W0.37/L6.84-79.01in) (Single tail)
<b>PCB increment</b>	166.7mm increment/2000mm max (6.56in increment/78.74in max)
<b>LED pitch</b>	23.8mm - 84LED/m (0.94in - 25.61LED/ft) between same colored LEDs
<b>Chip</b>	Toyoda Gosei
<b>Beam angle</b>	100° (No cover)/120° (Semi-diffused Lens)/14° or 36° (KKLN-01 Lens)
<b>Colours</b>	White: 2100K/2300K/2500K/2700K/3000K/3200K/3500K/3800K/5000K
<b>Bin/Step</b>	Line 2 Step MacAdam ellipse
<b>CRI</b>	≥ 90
<b>Lifetime</b>	40,000 hours @ 25°C (40,000 hours @ 77°F)
<b>Operating temp</b>	T <sub>a</sub> = -25 to 35°C (T <sub>c</sub> max = 70.3 °C) T <sub>a</sub> = -13 to 95°F (T <sub>c</sub> max = 158.5°F)
<b>IP rating</b>	IP20
<b>Finish</b>	Silver anodised
<b>Cover to lens</b>	No cover/Semi-diffused/KKLN-01 Lens Accessory
<b>Mounting</b>	Surface mounting via clips
<b>Connection</b>	Hardwire tails or male/female connectors
<b>Control</b>	0-10V/1-10V/DMX/DALI (see visDIM range)



### PERFORMANCE DATA for 2300K + 3000K / No cover

<b>Power consumption</b>	15.55W/m (4.74W/ft)
<b>Supply voltage</b>	24V DC
<b>Supply current</b>	0.648A/m (0.198A/ft)
<b>Luminous flux</b>	1672lm/m (510lm/ft)

### TECHNICAL DRAWING



Data derived from production samples independently tested to UKAS / IESNA LM-79-08 standards.

See KKDC website for product document updates.

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

TiMi208S-01EN-20170723



# TiMi 208

## Photometric Test Report



### PRODUCT DETAILS

Product name :	TiMi 208
Stated output :	1238lm per metre
Description :	Variable colour linear LED, 2300K + 3200K, 24V, 15.55W per metre
Quantity/length of product tested :	1 x 500mm
Bin tolerance/#. MacAdams ellipse of chip :	2 Step MacAdam ellipse (+/- 91K)

### ELECTRICAL CHARACTERISTICS

Input Voltage (V DC) :	24.04
Input power (W DC) :	7.74
Input Current (mA DC) :	322

### LIGHT OUTPUT

Total light output (Lumens) :	616
Luminaire efficacy (lm/W) :	79.63
Beam angle :	112°

### COLOUR CHARACTERISTICS

Correlated colour temperature (CCT) :	2553K
Colour rendering index (CRI Ra) :	91
Chromaticity coordinates (CIE 1931 - x,y) :	0.4711, 0.4112

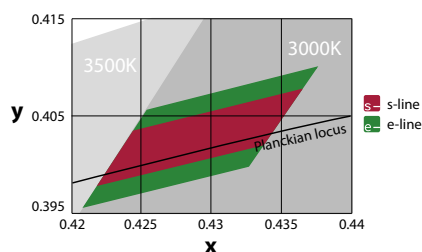
### TEST DETAILS

Test Standards :	Data from production samples independently tested to IESNA LM-79-08 standards.
Number of hours operated prior to test measurement :	24
Stabilisation time (minutes) :	45
Test orientation :	Base Down
Ambient test temperature :	25.4°C
Data measured at luminaire :	V,W,mA,lm/W

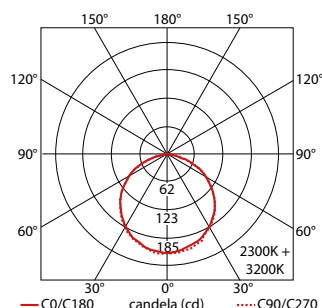
### COLOUR RENDERING INDEX (CRI)

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14
92.2	96.0	96.2	90.8	90.7	94.8	90.0	77.5	51.1	87.1	90.6	75.2	93.6	96.4

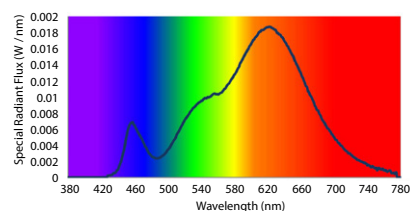
### KKDC BIN DETAILS (CIE 1931)



### 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

