







# MoMo-L 508

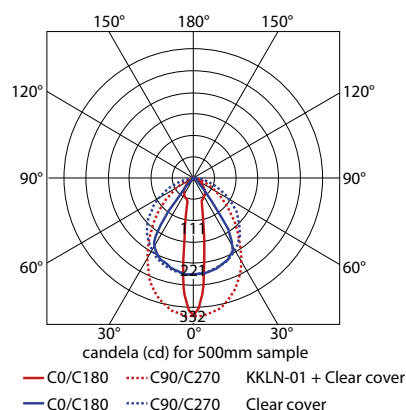
## Specification sheet



24V DC 17.28 W/m 5.27 W/ft 59.5 lm/W IP54/67  

### PRODUCT SPECIFICATION

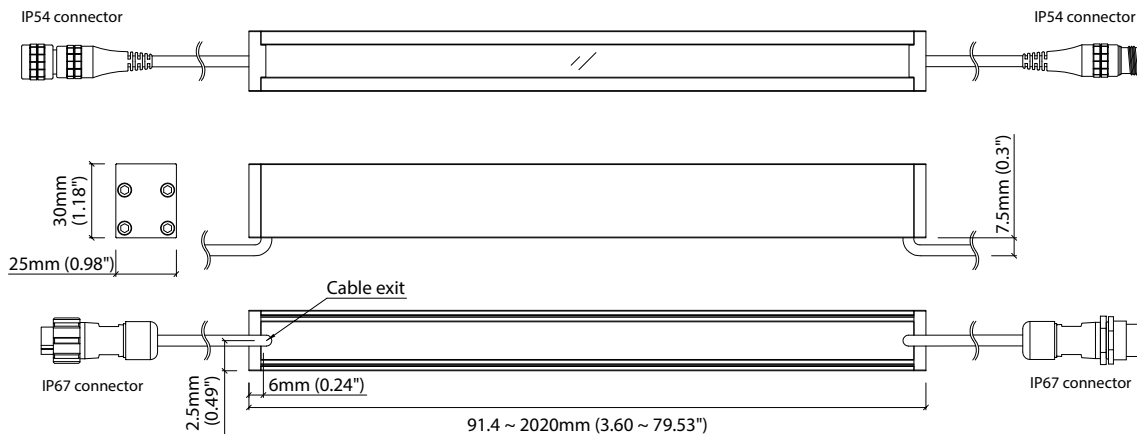
Dimension	H30/W25/91.4-2020mm (H1.18/W0.98/L3.60-79.53in)
PCB increment	71.4mm increment/2000mm max (2.81in increment/78.74in max)
LED pitch	11.9mm - 84LED/m (0.47in - 25.6LED/ft)
Chip	Toyoda Gosei
Beam angle	70° Clear cover/18° KKLN-01 lens/95° Diffused cover
Colours	White: 2100K/2300K/2500K/2700K/3000K/3200K/3500K/3800K/5000K
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 <sub>a</sub> = -25 to 45°C (T <sub>c</sub> max = 65°C) T <sub>a</sub> = -13 to 113°F (T <sub>c</sub> max = 149°F)
IP Rating	IP54/67
Finish	Silver anodised
Cover/lens	Clear/Diffused/KKLN-01 Lens/Micro Louvre/508 Louvre
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	17.28W/m (5.27W/ft)
Supply voltage	24V DC
Supply current	0.72A/m (0.22A/ft)
<b>Luminous flux</b>	1028lm/m (313lm/ft) 59.5lm/W @ Clear cover 617lm/m (188lm/ft) 35.7lm/W @ Diffused cover 556lm/m (169lm/ft) 32.2lm/W @ KKLN-01 + Clear cover 397lm/m (121lm/ft) 23lm/W @ Micro Louvre + Clear cover 176lm/m (54lm/ft) 10.2lm/W @ KKLN-01 + Micro Louvre + Clear cover

### TECHNICAL DRAWING



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



# MoMo-L 508

## Photometric Test Report



### PRODUCT DETAILS

Product name : MoMo-L 508  
 Stated output : 1073lm per metre  
 Description: variable colour covered linear LED, 3200K, 24V, 17.28W per metre – LM79-08 test data for Clear shown  
 Quantity/length of product tested : 1 x 520mm  
 Bin tolerance/#. MacAdams ellipse of chip : 2 Step MacAdam ellipse (+/- 91K)

### ELECTRICAL CHARACTERISTICS

Input Voltage (V DC) : 23.92  
 Input power (W DC) : 8.64  
 Input Current (mA DC) : 360

### LIGHT OUTPUT

Total light output (Lumens) :  
 535: Clear  
 262: Diffused  
 248: Clear + KKLN-01  
 138: Clear + Micro louvre  
 113: Clear + Micro louvre + KKLN-01

Luminaire efficacy (lm/W) :  
 62.12: Clear  
 30.43: Diffused  
 28.96: Clear + KKLN-01  
 16.53: Clear + Micro louvre  
 14.06: Clear + Micro louvre + KKLN-01

Beam angle : n/a

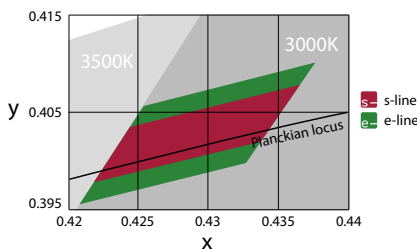
### COLOUR CHARACTERISTICS

Correlated colour temperature (CCT) : 3157K  
 Colour rendering index (CRI, Ra) : 93  
 Chromaticity coordinates (CIE 1931 - x,y) : 0.4212, 0.3884

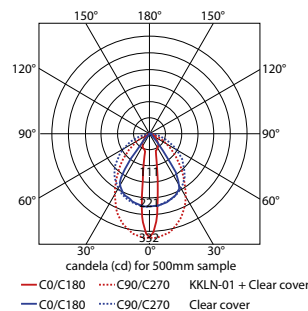
### COLOUR RENDERING INDEX (CRI)

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14
94	96	94	94	92	93	93	83	59	86	93	69	95	96

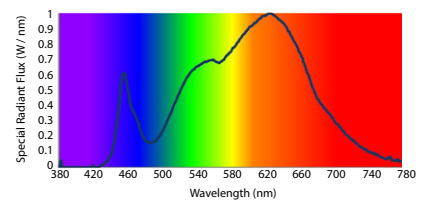
### Source LED details



### POLAR CURVE



### SPECTRAL RADIANT FLUX VERSUS WAVELENGTH



### TEST SPECIFICATIONS

Test Lab : KKDC, 286 Jeongmun-Ro, Wollongmyeon, Paju-si, Gyeonggi-do, Republic Korea, 413-810  
 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 +/-18