



MoMo 508

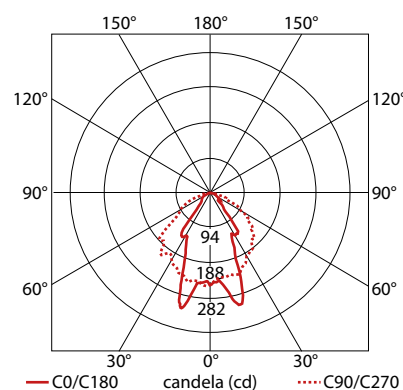
Specification sheet

KKDC

24V DC	17.28 W/m	5.27 W/ft	≤78.3 lm/W	IP54/67		
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PRODUCT SPECIFICATION

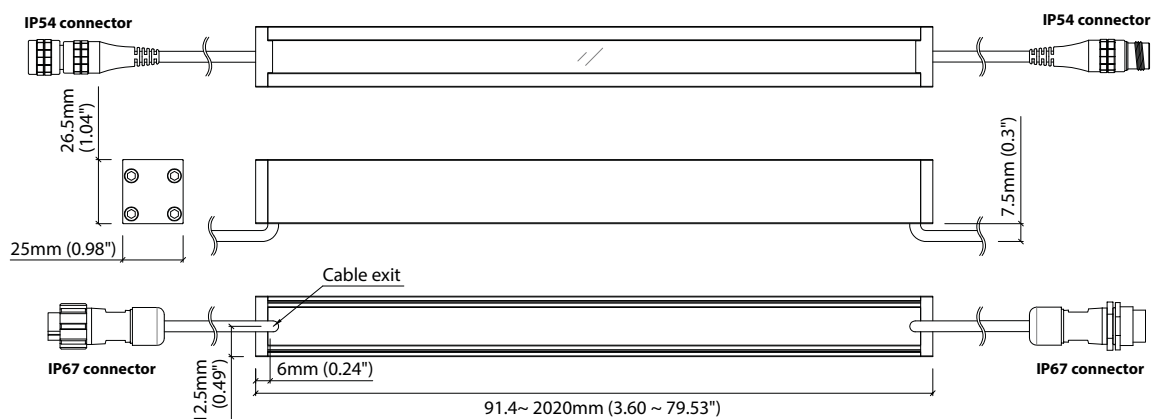
Dimension	H26.5/W25/L91.4-2020mm (H1.04/W0.98/L3.60-79.53in)
PCB increment	71.4mm increment/2000mm max (2.81in increment/78.74in max)
LED pitch	11.9mm - 84LED/m (0.47in - 25.6LED/ft)
Chip	Toyoda Gosei
Beam angle	50° (Clear cover)/95° (Diffused cover)/14° (KKLN-01 Lens)
Colours	White: 2100K/2300K/2500K/2700K/3000K/3200K/3500K/3800K/5000K
Bin/step	n-line 3 Step MacAdam ellipse s-line 2 Step MacAdam ellipse e-line 3 Step MacAdam ellipse
CRI	≥ 90
Lifetime	50,000 hours @ 25°C (50,000 hours @ 77°F)
Operating temp	T _a = -25 to 45°C (T _c max = 65°C) T _a = -13 to 113°F (T _c max = 149°F)
IP Rating	IP54/67
Finish	Silver anodised
Cover/lens	Diffused/Clear/Clear + louvre/KKLN-01 Lens
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 / Clear cover

Power consumption	17.28W/m (5.27W/ft)
Supply voltage	24V DC
Supply current	0.72A/m (0.22A/ft)
Luminous flux	≤ 1353lm/m (≤ 412lm/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

MoMo508S-01EN-20170723



MoMo 508

Photometric Test Report



PRODUCT DETAILS

Product name	MoMo 508
Stated output	810lm per metre
Description	Covered linear LED, 3200K, 24V, 17.28W per metre
Quantity/length of product tested	1 x 91.4mm
Bin tolerance/#. MacAdams ellipse of chip	2 Step MacAdam ellipse (+/- 91K)

ELECTRICAL CHARACTERISTICS

Input Voltage (V DC)	24.01
Input power (W DC)	1.27
Input Current (mA DC)	53

LIGHT OUTPUT

Total light output (Lumens)	Clear: 60, Diffused: 38, Louvre: 17
Luminaire efficacy (lm/W)	Clear: 60, Diffused: 38, Louvre: 13
Beam angle	Clear: 45°, Diffused: 45°, Louvre: 16°

COLOUR CHARACTERISTICS

Correlated colour temperature (CCT)	Clear: 3095K, Diffused: 3061K, Louvre: 2833K
Colour rendering index (CRI, Ra)	Clear: 91, Diffused: 92, Louvre: 89
Chromaticity coordinates (CIE 1931 - x,y)	Clear: 0.4310, 0.4033, Diffused: 0.4325, 0.4025, Louvre: 0.4535, 0.4161
Duv	0.0004

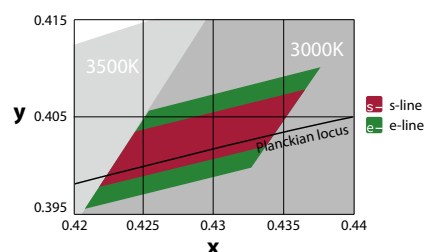
TEST DETAILS

Test Standards	Accredited IESNA LM-79-08
Number of hours operated prior to test measurement	24
Stabilisation time (minutes)	Clear: 46, Diffused: 45, Louvre: 45
Test orientation	Base Down
Ambient test temperature	Clear: 25.5°C, Diffused: 25.5°C, Louvre: 24.3°C
Data measured at luminaire	V,W,mA,lm/W

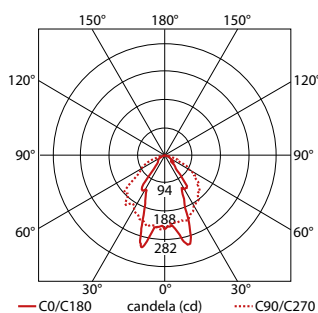
COLOUR RENDERING INDEX (CRI)

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14
92.5	93.6	91.8	92.6	90.6	90.8	93.1	81.9	54.7	81.8	92.2	68.3	92.9	94.2

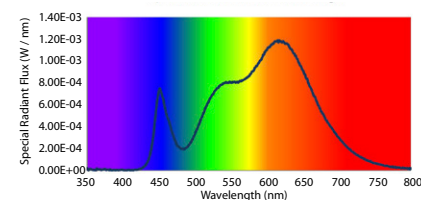
KKDC BIN DETAILS (CIE 1931)



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

