



MoMo 504

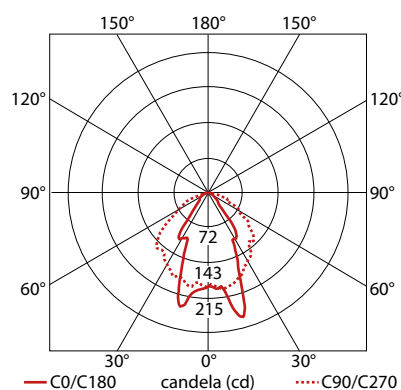
Specification sheet



24V DC	12.24 W/m	3.73 W/ft	≤79.1 lm/W	IP54/67	UL US LISTED E356145	CE
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PRODUCT SPECIFICATION

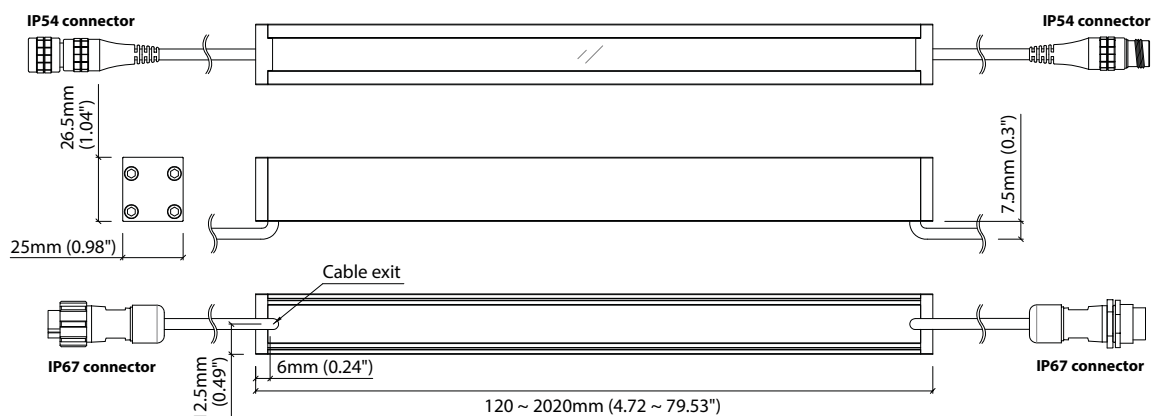
Dimension	H26.5/W25/L120-2020mm (H1.04/W0.98/L4.72-79.53in)
PCB increment	100mm increment/2000mm max (3.94in increment/78.74in max)
LED pitch	16.7mm - 60LED/m (0.66in - 18.29LED/ft)
Chip	Toyoda Gosei
Beam angle	50° (Clear cover)/95° (Diffused cover)/14° (KKLN-01 Lens)
Colours	White: 2100K/2300K/2500K/2700K/3000K/3200K/3500K/3800K/5000K Single colours: Red/Green/Blue/Orange/Amber
Bin/step	<div> <div>n</div> <div>line 3 Step MacAdam ellipse</div> </div> <div> <div>s</div> <div>line 2 Step MacAdam ellipse</div> </div> <div> <div>e</div> <div>line 3 Step MacAdam ellipse</div> </div>
CRI	≥ 90
Lifetime	50,000 hours @ 25°C (50,000 hours @ 77°F)
Operating temp	T _a = -25 to 60°C (T _c max = 70°C) T _a = -13 to 140°F (T _c max = 158°F)
IP Rating	IP54/67
Finish	Silver anodised
Cover/lens	Diffused/Clear/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	12.24W/m (3.73W/ft)
Supply voltage	24V DC
Supply current	0.51A (0.155A/ft)
Luminous flux	≤ 968lm/m (≤ 295lm/ft)

TECHNICAL DRAWING



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



MoMo 504

Photometric Test Report



PRODUCT DETAILS

Product name :	MoMo 504
Stated output :	610lm 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) :	53

LIGHT OUTPUT

Total light output (Lumens) :	Clear : 63, Diffused : 38
Luminaire efficacy (lm/W) :	Clear : 49.84, Diffused : 30.28
Beam angle :	47°

COLOUR CHARACTERISTICS

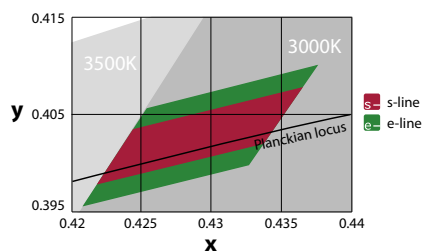
Correlated colour temperature (CCT) :	Clear : 3095K, Diffused : 3086K
Colour rendering index (CRI, Ra) :	Clear : 91, Diffused : 92
Chromaticity coordinates (CIE 1931 - x,y) :	Clear : 0.4310, 0.4033
Duv :	0.0004

COLOUR RENDERING INDEX (CRI) Clear results

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

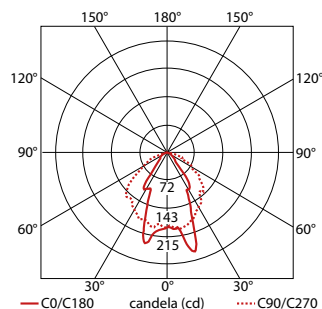
KKDC BIN DETAILS (CIE 1931)

Source LED details



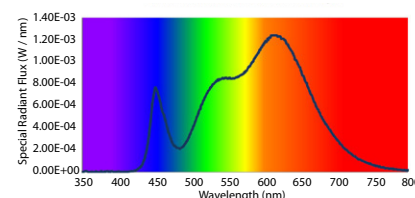
POLAR CURVE

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

