

Linear

MOMO RGBW Fixture Guide

KKDC

Indoor/Outdoor | Surface | RGBW output up to 893lm/m (272lm/ft)

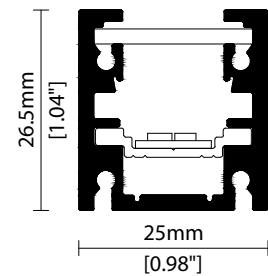


Key applications

- ✓ Architectural detail
- ✓ Backlighting & signage
- ✓ Bathrooms
- ✓ Building façades
- ✓ Cove lighting
- ✓ Direct lighting
- ✓ Exterior
- ✓ Interior
- ✓ Mirror back lighting
- ✓ Pathways/driveways
- ✓ Public spaces
- ✓ Special effect
- ✓ Wall grazing
- ✓ Window reveal
- ✓ Wet area

Key features

- ✓ Adjustable
- ✓ Custom lengths
- ✓ Constant Voltage (CV)
- ✓ Diffusion: homogenous
- ✓ Direct view
- ✓ Extensive CCT range
- ✓ Glare control options
- ✓ IP44 moisture resistant
- ✓ IP67 waterproof
- ✓ LEDmix RGBW
- ✓ Nano louvre



MOUNTING METHODS



KKCP-03 Clip



KKCP-09 Lock clip



KKBK-07 Fixing plate



KKBK-21 Adjustable bracket

Linear

MOMO RGBW

Specification sheet



Dimensions	H26.5/W25/L155-2030mm* (H1.04/W0.98/L6.10-79.92in*) *Nano Louvre = 1030mm/40.16in max
PCB Cut-point	62.5mm increment/2000mm max* (2.46in increment/78.74in max*) *Nano Louvre = 1000mm/39.37in max
LED Pitch	10.4mm-192LED/m (0.41in - 59LED/ft)
Chip	RGBW LEDmix
Cover/Optics	Clear (100°)/Diffused (95°)/Diffused + Nano Louvre (35°)
CCT	s-line: White: 1900K/2100K/2300K/2500K/2700K/3000K/3500K/4000K/5000K/ RGB: Red 620-625nm/Blue 455-460nm/Green 520-525nm k-line: White: 1900K/2100K/2300K/2500K/2700K/3000K/3500K/4000K/5000K RGB: Red 617-627nm/Blue 464-474nm/Green 515-525nm
LED binning	s-line: White: 2.5-step MacAdam ellipse / RGB: 5nm tolerance k-line: White: 3-step MacAdam ellipse / RGB: 10nm tolerance
CRI	≥ 90 (white only)
Lifetime	50,000 hours @ 25°C (50,000 hours @ 77°F)
Operating temp	T _a = -25 to 50°C (T _c max = 70°C) T _a = -13 to 122°F (T _c max = 158°F)
IP Rating	IP44/67
Finish	Silver anodised
Mounting	Surface mounting via clips or brackets
Power feed	Sheathed hardwire tails or male/female connectors
Control	0-10V/1-10V/DMX/DALI



LED Grading Key

Exclusive Grade

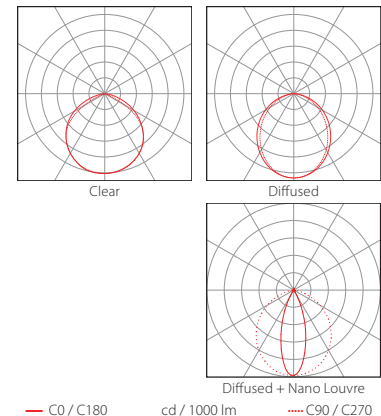
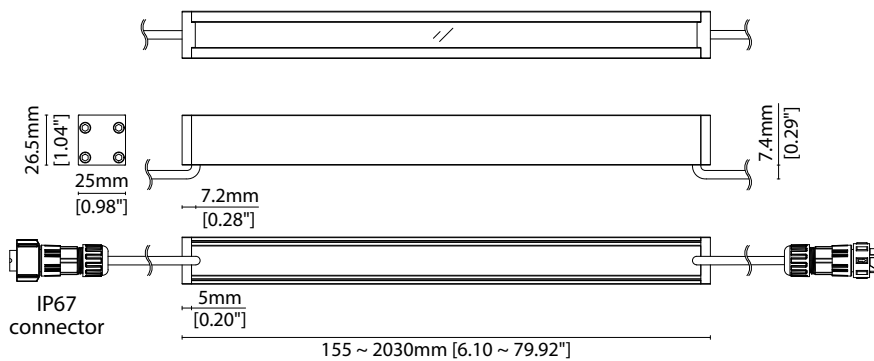
s s-line*	*KKDC tuned CCT range
2-step CCT range	

Base Grade

k k-line	3-step commercial range Energy Star CCTs
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Power consumption	Supply voltage	Supply current
20W/m (6.10W/ft)	24V DC	0.83A/m (0.25A/ft)

	Clear	Diffused Cover	Diffused + Nano Louvre
s-line	893lm/m (272lm/ft) 44.6lm/W	473lm/m (144lm/ft) 23.6lm/W	197lm/m (60lm/ft) 9.9lm/W
k-line	1263lm/m (385lm/ft) 42.1lm/W	669lm/m (204lm/ft) 22.3lm/W	279lm/m (85lm/ft) 9.3lm/W



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

FIXTURE

Model	Finish	Cover/Lens ¹	Grade ²	LED	Colour (CCT)	Length Availability ³	IP	Cable Length	Power Feed ⁴	Input
MOMO MM	Silver Anodised SA	Clear B	 s	R201 R201	RGB+1900K 19	m 155-2030mm 62.5mm increments	IP44 44	300mm/ 11.81" 0300	Single ø5.5mm sheath tail S00E	DC 24V g
		Diffused C	 k		RGB+2100K 21		IP67 ⁸ 67		Double ø5.5mm sheath tail D00E	
		Diffused + Nano Louvre ^{5,6} CN			RGB+2300K 23	i 6.10-79.92in 2.46in increments			Single ø5.5mm sheath IP67 Male Connector S67F	
					RGB+2500K 25	(Specify length code OR total run length)			Double ø5.5mm sheath IP67 Connector D67F	
					RGB+2700K 27					
					RGB+3000K 30					
					RGB+3500K 35					
					RGB+4000K 40					
					RGB+5000K 50					

¹ Refer to **Cover/Lens Options** on **Options** pages ² Refer to **LED Grading Key** on **Specification sheet** page ³ Refer to **Length Availability List** or enter total run length instead of length code

⁴ Refer to **Power Feed Options** on **Options** pages ⁵ Max length available with Nano Louvre is 1020mm

⁶ Nano Louvre suitable for IP44 variant ONLY. Prolonged exposure to water droplets on cover surface may result in superficial peeling of Nano louvre film without affecting integrity of housing ingress

⁷ LEDmix RGBW requires white colour choice

⁸ Due to the clear, flush potted polyurethane top layer on IP67 MOMO a colour shift of +/-20K should be expected

Code Example:

MM	-	SA	-	C	-	s	-	R201	-	RGBW	-	35	-	m	516	-	44	-	0300	-	D00E	-	g
MOMO		Silver Anodised		Diffused				R201		RGBW		RGB+3500K		516mm		IP44		300mm/11.81"		Double ø5.5mm sheath tail		DC 24V	

ACCESSORIES

Mounting Accessories

KKCP-03	Clip (1no.)
KKCP-53	Clip (500no.)
KKCP-09	Lock Clip
KKBK-07	Fixing plate
KKBK-21	Adjustable bracket

* Refer to **Mounting accessories** on **Accessories** pages

Connection Accessories

CN67-5P-0300	IP67 5 PIN male & female 300mm/11.81" pair
CN67-5P-1000	IP67 5 PIN male & female 1000mm/39.37" pair
CN67-5P-3000	IP67 5 PIN male & female 3000mm/118.11" pair

* Refer to **Power feed** on **Accessories** pages

Exterior Junction Boxes

KKJB-07	IP67 Slim J-Box
KKJB-07R	Potting Resin for IP67 Slim J-Box

* Refer to **Exterior Junction Boxes** on **Accessories** pages

PSU/Driver

DALI/DMX

* Refer to **Driver/PSU Options** page for details or provide requirement and KKDC to offer the suitable option

LED ENGINE VARIANTS (LED STRIP TYPE)

Colour	LED	Lumen/m	Lumen/ft	W/m	W/ft	Spec Doc	Length	Increment
Single CCT	R007	441	135	7	2.13	MOMO R007	103-2020mm (4.05-79.53in)	41.7mm (1.64in)
	R014	904	275	14	4.27	MOMO R014	103-2020mm (4.05-79.53in)	41.7mm (1.64in)
	R020	1280	390	20	6.1	MOMO R020	103-2020mm (4.05-79.53in)	41.7mm (1.64in)
	R030	1813	552	30	9.14	MOMO R030	103-2020mm (4.05-79.53in)	41.7mm (1.64in)
	A040	3960	1207	40	12.19	MOMO A040	97-1520mm (3.82-59.84in)	38.46mm (1.51in)
	Warm Dim/Dynamic White	R207	1004	306	16	4.88	MOMO R207	103-2020mm (4.05-79.53in)
RGB	501	Red 114	Red 35	15.6	4.75	MOMO RGB	94-2011mm (3.70-79.17in)	41.7mm (1.64in)
		Green 244	Green 74					
		Blue 38	Blue 12					
		RGB 350	RGB 107					
RGBW	R201	1263	385	20	6.1	MOMO RGBW	155-2030mm (6.10-79.92in)	62.5mm (2.46in)

* Performance data: s-line, diffused cover, 3000K+RGB

MOMO RGBW Length Availability List

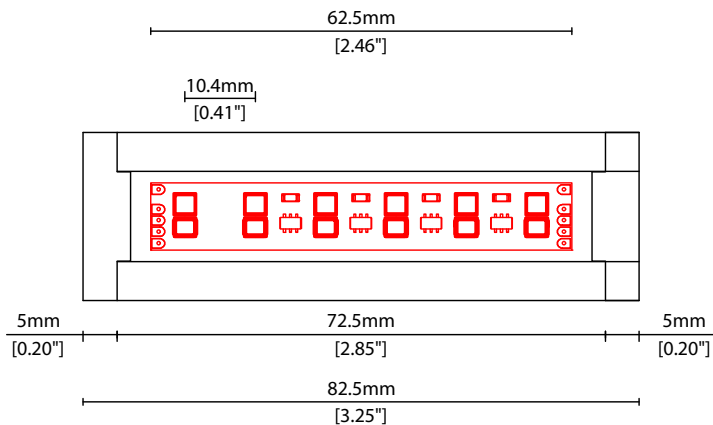


Length Code		Fixture Length ¹		LED Strip ²		End Cap Dimension ³		Wattage (W)	Output (lm)
Metric	Imperial(US)	Metric	Imperial(US)	Metric	Imperial(US)	Metric	Imperial(US)		3000K (Test Data)
m0155	i0006	155mm	6.10in	125mm	4.92in	10mm	0.39in	2.50	105
m0218	i0009	218mm	8.56in	188mm	7.38in	10mm	0.39in	3.75	158
m0280	i0011	280mm	11.02in	250mm	9.84in	10mm	0.39in	5.00	211
m0343	i0013	343mm	13.48in	313mm	12.30in	10mm	0.39in	6.25	263
m0405	i0016	405mm	15.94in	375mm	14.76in	10mm	0.39in	7.50	316
m0468	i0018	468mm	18.41in	438mm	17.22in	10mm	0.39in	8.75	368
m0530	i0021	530mm	20.87in	500mm	19.69in	10mm	0.39in	10.00	421
m0593	i0023	593mm	23.33in	563mm	22.15in	10mm	0.39in	11.25	474
m0655	i0026	655mm	25.79in	625mm	24.61in	10mm	0.39in	12.50	526
m0718	i0028	718mm	28.25in	688mm	27.07in	10mm	0.39in	13.75	579
m0780	i0031	780mm	30.71in	750mm	29.53in	10mm	0.39in	15.00	632
m0843	i0033	843mm	33.17in	813mm	31.99in	10mm	0.39in	16.25	684
m0905	i0036	905mm	35.63in	875mm	34.45in	10mm	0.39in	17.50	737
m0968	i0038	968mm	38.09in	938mm	36.91in	10mm	0.39in	18.75	789
m1030	i0041	1030mm	40.55in	1000mm	39.37in	10mm	0.39in	20.00	842
m1093	i0043	1093mm	43.01in	1063mm	41.83in	10mm	0.39in	21.25	895
m1155	i0045	1155mm	45.47in	1125mm	44.29in	10mm	0.39in	22.50	947
m1218	i0048	1218mm	47.93in	1188mm	46.75in	10mm	0.39in	23.75	1000
m1280	i0050	1280mm	50.39in	1250mm	49.21in	10mm	0.39in	25.00	1053
m1343	i0053	1343mm	52.85in	1313mm	51.67in	10mm	0.39in	26.25	1105
m1405	i0055	1405mm	55.31in	1375mm	54.13in	10mm	0.39in	27.50	1158
m1468	i0058	1468mm	57.78in	1438mm	56.59in	10mm	0.39in	28.75	1210
m1530	i0060	1530mm	60.24in	1500mm	59.06in	10mm	0.39in	30.00	1263
m1593	i0063	1593mm	62.70in	1563mm	61.52in	10mm	0.39in	31.25	1316
m1655	i0065	1655mm	65.16in	1625mm	63.98in	10mm	0.39in	32.50	1368
m1718	i0068	1718mm	67.62in	1688mm	66.44in	10mm	0.39in	33.75	1421
m1780	i0070	1780mm	70.08in	1750mm	68.90in	10mm	0.39in	35.00	1474
m1843	i0073	1843mm	72.54in	1813mm	71.36in	10mm	0.39in	36.25	1526
m1905	i0075	1905mm	75.00in	1875mm	73.82in	10mm	0.39in	37.50	1579
m1968	i0077	1968mm	77.46in	1938mm	76.28in	10mm	0.39in	38.75	1631
m2030	i0080	2030mm	79.92in	2000mm	78.74in	10mm	0.39in	40.00	1684

¹ Actual total overall length of light fixture (LED strip + end caps + void/wire hole)

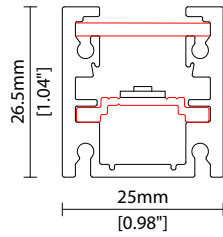
² Actual length of PCB strip

³ Actual length of 2x end caps



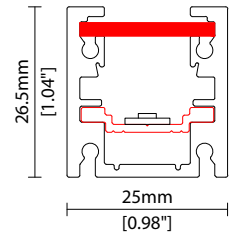
COVER/LENS OPTIONS

* Options are an integral part of the fixture ordering codes. Please refer to **Code Table** pages.



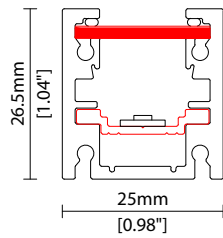
B Clear Cover

W25.0/H26.5mm (W0.98/H1.04")



C Diffused Cover

W25.0/H26.5mm (W0.98/H1.04")

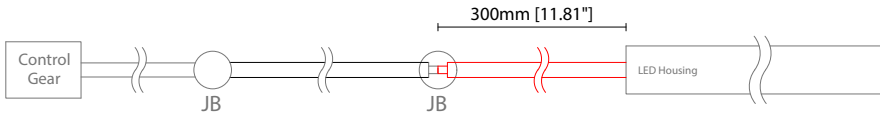


CN Diffused Cover + Nano Louvre

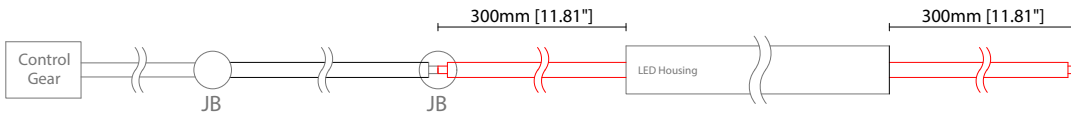
W25.0/H26.5mm (W0.98/H1.04")

POWER FEED OPTIONS

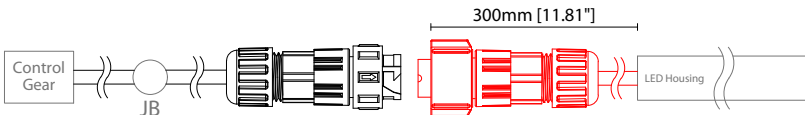
0300 S00E 300mm (11.81") Single Ø5.5mm sheath tail



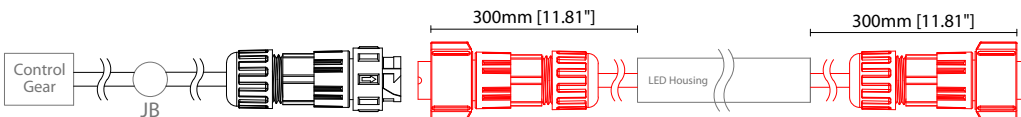
0300 D00E 300mm (11.81") Double Ø5.5mm sheath tail



0300 S67F 300mm (11.81") Single Ø5.5mm sheath IP67 connector



0300 D67F 300mm (11.81") Double Ø5.5mm sheath IP67 connector

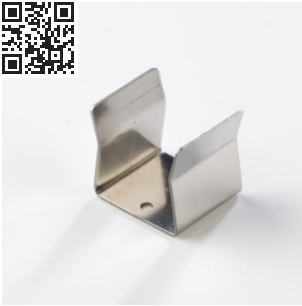


Key

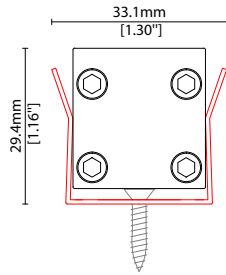
Control Gear Power supply, sub-controllers & control systems
 JB Junction box / cable connection

MOUNTING ACCESSORIES

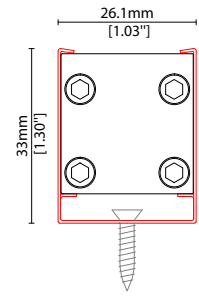
Note: Accessories are to be ordered separately with corresponding code shown below.



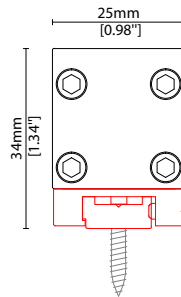
KKCP-03 (1no.)
KKCP-53 (500no.)
 Clip (allow 3 per metre/40in)
 S/Steel finish
 L25/W33.1/H29.4mm
 (L0.98/W1.3/H1.16")



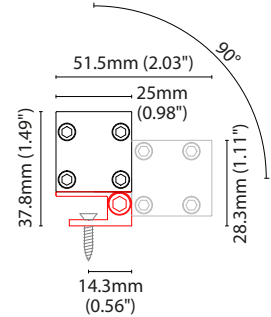
KKCP-09
 Lock clip (allow 2 per metre/40in)
 S/Steel finish
 L25/W26.1/H33mm
 (L0.98/W1.03/H1.3")



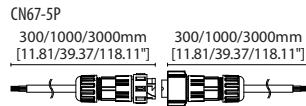
KKBK-07
 Fixing plate (allow 2 per metre/40in)
 Anodised aluminium finish
 L50/W25/H34mm
 (L1.97/W0.98/H1.34")
 Pre-assembled in factory



KKBK-21
 Adjustable bracket
 (allow 2 per metre/40in)
 Anodised aluminium finish
 L34/W25/H37.8mm
 (L1.34/W0.98/H1.49")
 Pre-assembled in factory



POWER FEED



CN67-5P-0300 300mm (11.81in) pair
CN67-5P-1000 1000mm (39.37in) pair
CN67-5P-3000 3000mm (118.11in) pair
 IP67
 5 PIN male + female (RGBW) connector set

EXTERIOR JUNCTION BOXES



KKJB-07

IP67 Slim J-Box
(including type A,B,C, D bushings)



KKJB-07R

Potting resin for IP67 Slim J-Box

KKDC CONTROL



KKDM-06 1-10V

visDIM dimmable sub-controller
(4 x 8A max @ 12-36V)

IP20
Plastic housing
L170/W59/H29mm
(L6.69/W2.32/H1.14in)



KKSC-05 DMX

visDIM dimmable sub-controller
(4 x 5A max @ 12-36V)

IP20
Plastic housing
L170/W53.4/H28mm
(L6.69/W2.10/H1.10in)



KKDL-02 DALI

visDIM dimmable sub-controller
(4 x 8A max @ 12-36V)

IP20
Plastic housing
L170/W59/H29mm
(L6.69/W2.32/H1.14in)



KKDL-03 DALI

visDIM dimmable sub-controller
(4 x 5A max @ 12-36V)

IP20
Plastic housing
L166/W53.4/H23mm
(L6.54/W2.10/H0.91in)

AVAILABLE PSU OPTIONS

Control Mode	PSU (Order Code)	Input Voltage AC	Output Voltage DC	Rated Output Current	Rated Power	Dim %	IP Rating
Switched	CEN-60-24	90-295V	24V	2.5A	60W	-	IP67
	HLG-60H-24	90-305V	24V	2.5A	60W	-	IP67
	HLG-100H-24	90-305V	24V	4.0A	100W	-	IP67
	HLG-150H-24	90-305V	24V	6.3A	150W	-	IP67
	HLG-240H-24	90-305V	24V	10A	240W	-	IP67
0-10V (1-10V)	PWM-40-24	90-305V	24V	1.67A	40W	100-0.15 (100-10)	IP67
	PWM-60-24	90-305V	24V	2.5A	60W	100-0.15 (100-10)	IP67
	PWM-90-24	90-305V	24V	3.67A	90W	100-0.15 (100-10)	IP67
	PWM-120-24	90-305V	24V	5.0A	120W	100-0.15 (100-10)	IP67
DALI	LIN100A1	120-277V	24V	1A per channel	100W	100-0.1	IP66/IP40
DMX RGB	LIN100A1	120-277V	24V	1.33A per channel	100W	100-0.1	IP66/IP40
DMX RGBW	LIN100A1	120-277A	24V	1A per channel	100W	100-0.1	IP66/IP40

Flicker Free Options - Combination of PSU+ sub-controller

Control Mode	PSU (Order Code)	Sub-controller (Order Code)	Input Voltage AC	Output Voltage DC	Rated Output Current	Rated Power	Dim %	IP Rating PSU/ Sub-controller
0-10V or 1-10V	CEN-60-24	KKDM-06	90-295V	24V	2.5A	60W	100-0.9	IP67/IP20
	HLG-60H-24	KKDM-06	90-295V	24V	2.5A	60W	100-0.9	IP67/IP20
	HLG-100H-24	KKDM-06	90-295V	24V	4.0A	100W	100-0.9	IP67/IP20
	HLG-150H-24	KKDM-06	90-295V	24V	6.3A	150W	100-0.9	IP67/IP20
	HLG-240H-24	KKDM-06	90-295V	24V	10.0A	240W	100-0.9	IP67/IP20
DALI	CEN-60-24	KKDL-02/03	90-295V	24V	2.5A	60W	100-0.1	IP67/IP20
	HLG-60H-24	KKDL-02/03	90-305V	24V	2.5A	60W	100-0.1	IP67/IP20
	HLG-100H-24	KKDL-02/03	90-305V	24V	4.0A	100W	100-0.1	IP67/IP20
	HLG-150H-24	KKDL-02/03	90-305V	24V	6.3A	150W	100-0.1	IP67/IP20
	HLG-240H-24	KKDL-02/03	90-305V	24V	10.0A	240W	100-0.1	IP67/IP20
DMX RGB	CEN-60-24	KKSC-05	90-295V	24V	2.5A	60W	100-0.9	IP67/IP20
	HLG-60H-24	KKSC-05	90-305V	24V	2.5A	60W	100-0.9	IP67/IP20
	HLG-100H-24	KKSC-05	90-305V	24V	4A	100W	100-0.9	IP67/IP20
	HLG-150H-24	KKSC-05	90-305V	24V	6.3A	150W	100-0.9	IP67/IP20
	HLG-240H-24	KKSC-05	90-305V	24V	10.0A	240W	100-0.9	IP67/IP20

¹ The items shown above cover the most frequently used specification but does not exhaust the possible options

² PSU and/or driver can be chosen from the table, or KKDC may recommend the best option upon receipt of the controls requirement and installation environment

³ Electrical shop drawing will include detailed information of PSU and relevant control drivers

⁴ Cut sheets are available on the controls section of www.kkdc.lighting or upon request