

Linear

MOMO-R R207

Fixture Guide

KKDÖ

LEDmix Indoor/Outdoor | Recessed | Dynamic output up to 1282lm/m (391lm/ft)

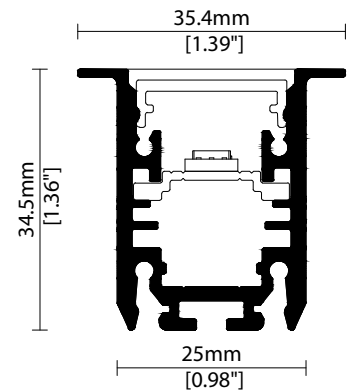


Key applications

- ✓ Bathrooms
- ✓ Ceiling
- ✓ Direct lighting
- ✓ Downlighting
- ✓ Exterior
- ✓ Interior
- ✓ Special effect
- ✓ Wall grazing
- ✓ Wallwashing
- ✓ Wet area

Key features

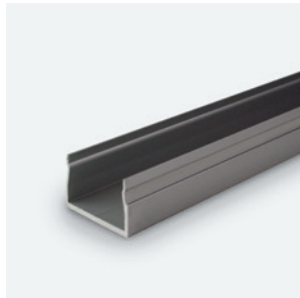
- ✓ Asymmetric lens
- ✓ Custom lengths
- ✓ Constant Voltage (CV)
- ✓ Diffusion: homogenous
- ✓ Direct view
- ✓ Extensive CCT range
- ✓ Glare control options
- ✓ IP44 moisture resistant
- ✓ IP67 waterproof
- ✓ LEDmix dynamic white
- ✓ Lens options



MOUNTING METHODS



KKSB-01 Spring bracket



KKCR-01-1000 Cable raceway (1000mm)
KKCR-01-2000 Cable raceway (2000mm)
KKCR-01-3000 Cable raceway (3000mm)

Warm dim (Dynamic white)

Output Luminance %

min DIM1 Input Level max

— CH1 (Warmer)
— CH2 (Cooler)

LEDmix R207

CCT Selection 1 CCT Selection 2

LEDmix R209

CCT Selection 1 CCT Selection 2

LEDmix **warm dim** (Dynamic white) is a pre-programmed dimming curve setting enabling two different colour temperatures (CCTs) to blend harmoniously to achieve a warming lighting effect when dimmed.

KKDC LEDmix strips allow two separate CCT selections to be specified within the same PCB strip.

Use the table opposite to help determine which 2 CCT selections you require according to your preferred cool to warm dimming range.

**Note: The blended CCT is approx. 'cool-end' result at 100% brightness based on using the KKDC LED CCT specification.*

CCT Selection 1	CCT Selection 2	
	Blended CCT*	PCB CCT
1900K~	2000K 2100K 2200K 2300K 2500K 2600K 2700K 3000K 3500K	2100K PCB 2300K PCB 2500K PCB 2700K PCB 3000K PCB 3200K PCB 3500K PCB 4000K PCB 5000K PCB
2100K~	2200K 2300K 2400K 2600K 2700K 2800K 3000K 3600K	2300K PCB 2500K PCB 2700K PCB 3000K PCB 3200K PCB 3500K PCB 4000K PCB 5000K PCB
2300K~	2400K 2500K 2700K 2800K 2900K 3100K 3700K	2500K PCB 2700K PCB 3000K PCB 3200K PCB 3500K PCB 4000K PCB 5000K PCB
2500K~	2600K 2800K 2800K 3000K 3200K 3800K	2700K PCB 3000K PCB 3200K PCB 3500K PCB 4000K PCB 5000K PCB
2700K~	2900K 3000K 3100K 3400K 3900K	3000K PCB 3200K PCB 3500K PCB 4000K PCB 5000K PCB
3000K~	3100K 3300K 3500K 4000K	3200K PCB 3500K PCB 4000K PCB 5000K PCB
3200K~	3300K 3600K 4100K	3500K PCB 4000K PCB 5000K PCB
3500K~	3700K 4300K	4000K PCB 5000K PCB
4000K~	5100K	5000K PCB

Tuneable white

The graph shows the relationship between the Channel Mix Ratio (%) and the DIM1 Input Level (from min to max). CH1 (Warmer) starts at 100% at the min input level and decreases to 0% at the max input level. CH2 (Cooler) starts at 0% at the min input level and increases to 100% at the max input level.

LEDmix R207

LEDmix R209

LEDmix **tunable white** enables two different LED colour temperatures (CCTs) to be specified within the same LEDmix strip.

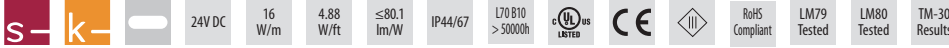
Each CCT selection can then be independently controlled (via your dimming control system) to adjust the warm & cool light output (CCT selections) and thus tailor a blended light colour of your choosing.

CCT Selection 1	CCT Selection 2
1900K~	2100K 2300K 2500K 2700K 3000K 3200K 3500K 4000K 5000K
2100K~	2300K 2500K 2700K 3000K 3200K 3500K 4000K 5000K
2300K~	2500K 2700K 3000K 3200K 3500K 4000K 5000K
2500K~	2700K 3000K 3200K 3500K 4000K 5000K
2700K~	3000K 3200K 3500K 4000K 5000K
3000K~	3200K 3500K 4000K 5000K
3200K~	3500K 4000K 5000K
3500K~	4000K 5000K
4000K~	5000K

Linear

MOMO-R R207

Specification sheet



Dimensions	H34.5/W35.4/L108-2025mm* (H1.36/W1.39/L4.25-79.72in*) *KKLN-A2 = 1025mm/40.35in max
PCB Cut-point	83.3mm increment/2000mm max* (3.28in increment/78.74in max*) *KKLN-A2 = 1000mm/39.37in max
LED Pitch	13.9mm-144LED/m (0.55in - 44LED/ft)
Chip	s-line k-line
Cover/Optics	Clear (100°)/Clear + Micro louvre/Clear + KKLN-01 lens (18°)/Clear + KKLN-01 lens (18°) + Micro louvre/Clear + KKLN-03 lens (23°)/Clear + KKLN-03 lens (23°) + Micro louvre/Clear + KKLN-02 Asymmetric lens (Beam tilt 15°, Beam angle 45°)/Diffused (95°)
CCT	s-line: 1900K/2100K/2300K/2500K/2700K/3000K/3500K/4000K/5000K k-line: 1900K/2100K/2300K/2500K/2700K/3000K/3500K/4000K/5000K
LED binning	s-line: 2.5-step MacAdam ellipse k-line: 3-step MacAdam ellipse
CRI	≥ 94
Lifetime	50,000 hours @ 25°C (50,000 hours @ 77°F)
Operating temp	T _a = -25 to 50°C (T _c max = 78.9°C) T _a = -13 to 122°F (T _c max = 174°F)
IP Rating	IP44/67
Finish	Silver anodised
Mounting	Recessed mounting via spring clip/Cable race way
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	

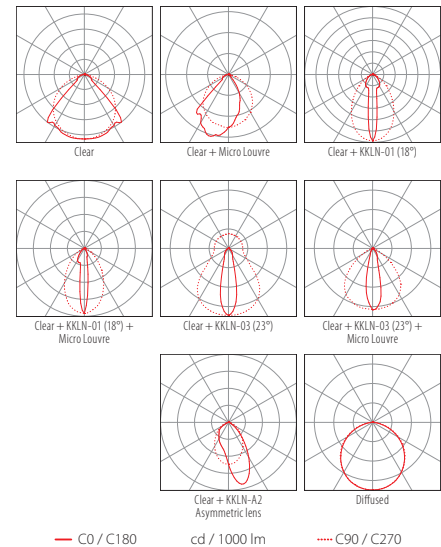
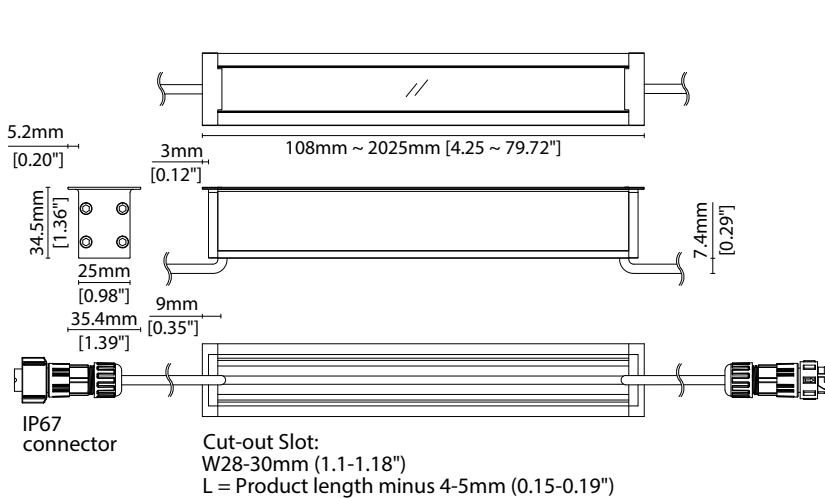
Base Grade

k k-line	3-step commercial range Energy Star CCTs
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Power consumption	Supply voltage	Supply current
16W/m (4.88W/ft)	24V DC	0.67A/m (0.20A/ft)

Performance Data (2100K+5000K)

	R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14
k-line	95	94	96	97	95	90	93	94	93	91	97	77	94	99
	Clear	Clear + Micro Louvre	Clear + KKLN-01 (18°)	Clear + KKLN-01 (18°) + Micro Louvre	Clear + KKLN-03 (23°)	Clear + KKLN-03 (23°) + Micro Louvre	Clear + KKLN-A2 Asymmetric lens	Diffused Cover	CRI	R9	Rf	Rg		
s-line	1282lm/m (391lm/ft) 80.1lm/W	374lm/m (114lm/ft) 23.4lm/w	728lm/m (222lm/ft) 45.5lm/W	343lm/m (104lm/ft) 21.4lm/W	739lm/m (225lm/ft) 46.2lm/W	400lm/m (122lm/ft) 25lm/W	1236lm/m (377lm/ft) 77.3lm/W	602lm/m (184lm/ft) 37.6lm/W	93	61	-	-		
k-line	1210lm/m (369lm/ft) 75.6lm/W	353lm/m (108lm/ft) 22.1lm/w	686lm/m (209lm/ft) 42.9lm/W	323lm/m (99lm/ft) 20.2lm/W	698lm/m (213lm/ft) 43.6lm/W	378lm/m (115lm/ft) 23.6lm/W	1166lm/m (356lm/ft) 72.9lm/W	568lm/m (173lm/ft) 35.5lm/W	92	60	-	-		



— C0 / C180 cd / 1000 lm C90 / C270

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

MOMO-R R207

Code Table



FIXTURE

Model	Finish	Cover/Lens ¹	Grade ²	LED	Colour (CCT)	Length Availability ³	IP	Cable Length	Power Feed ⁴	Input	
MOMO-R	OR Silver Anodised	SA Clear	B		R207 R207	1900K 19	m 108-2025mm 83.3mm increments i 4.26-79.72in 3.28in increments (Specify length code OR total run length)	IP44 44 IP67 ⁵ 67	300mm/ 11.81" 0300	Single ø4.3mm sheath tail S00A	DC 24V g
			K		2100K 21						
			P		2300K 23						
			U		2500K 25						
			A		2700K 27						
			AK		3000K 30						
			BA2		3500K 35						
			C		4000K 40						
					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 LEDmix requires two colour temperature choices

⁶ Due to the clear, flush potted polyurethane top layer on IP67 MOMO-R a colour shift of +/- 20K should be expected

Code Example:

OR	-	SA	-	C	-	s	-	R207	-	35	-	m	525	-	67	-	0300	-	D67A	-	g
MOMO-R		Silver Anodised		Diffused				R207		3500K		525mm		IP67		300mm/11.81"		Double ø4.3mm sheath IP67 connector		DC 24V	

ACCESSORIES

Mounting Accessories

KKSB-01	Spring bracket
KKCR-01-1000	1000mm/39.37" Cable Raceway
KKCR-01-2000	2000mm/78.74" Cable Raceway
KKCR-01-3000	3000mm/118.11" Cable Raceway

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

Connection Accessories

CN67-4P-0300	IP67 4 PIN LEDmix male & female 300mm/11.81" pair
CN67-4P-1000	IP67 4 PIN LEDmix male & female 1000mm/39.37" pair
CN67-4P-3000	IP67 4 PIN LEDmix 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

0-10V/1-10V/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	563	172	7	2.13	MOMO-R R007	108-2025mm (4.25-79.72in)	41.7mm (1.64in)
	R014	1152	351	14	4.27	MOMO-R R014	108-2025mm (4.25-79.72in)	41.7mm (1.64in)
	R020	1632	498	20	6.10	MOMO-R R020	108-2025mm (4.25-79.72in)	41.7mm (1.64in)
	R030	2309	704	30	9.14	MOMO-R R030	108-2025mm (4.25-79.72in)	41.7mm (1.64in)
	A040	3668	1118	40	12.19	MOMO-R A040	102-1525mm (4.01-60.03in)	38.46mm (1.51in)
	Warm Dim/Dynamic White	R207	1282	391	16	4.88	MOMO-R R207	108-2025mm (4.25-79.72in)
RGB	501	Red 125 Green 266 Blue 42 RGB 383	Red 38 Green 81 Blue 13 RGB 117	15.6	4.75	MOMO-R RGB	108-2025mm (4.25-79.72in)	83.3mm (3.28in)
RGBW	R201	973	297	20	6.1	MOMO-R RGBW	160-2035mm (6.30-80.12in)	62.5mm (2.46in)

* Performance data: A/s-line, clear cover, 3000K

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Length Availability List

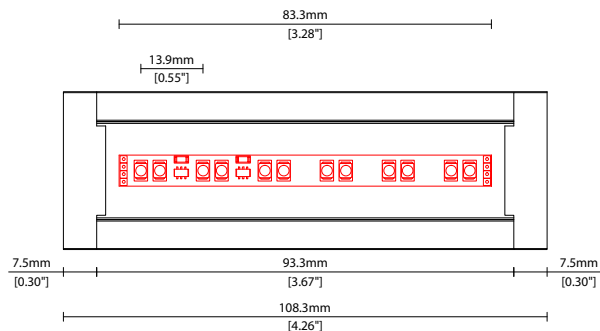


Length Code		Fixture Length ¹		LED Strip ²		End Cap Dimension ³		Wattage (W)	Output (lm)
Metric	Imperial(US)	Metric	Imperial(US)	Metric	Imperial(US)	Metric	Imperial(US)		3000K (Test Data)
m0108	i0004	108mm	4.27in	83mm	3.28in	15mm	0.59in	1.33	101
m0192	i0008	192mm	7.55in	167mm	6.56in	15mm	0.59in	2.67	202
m0275	i0011	275mm	10.83in	250mm	9.84in	15mm	0.59in	4.00	302
m0358	i0014	358mm	14.11in	333mm	13.12in	15mm	0.59in	5.33	403
m0442	i0017	442mm	17.39in	417mm	16.40in	15mm	0.59in	6.67	504
m0525	i0021	525mm	20.67in	500mm	19.69in	15mm	0.59in	8.00	605
m0608	i0024	608mm	23.95in	583mm	22.97in	15mm	0.59in	9.33	706
m0692	i0027	692mm	27.23in	667mm	26.25in	15mm	0.59in	10.67	806
m0775	i0031	775mm	30.51in	750mm	29.53in	15mm	0.59in	12.00	907
m0858	i0034	858mm	33.79in	833mm	32.81in	15mm	0.59in	13.33	1008
m0942	i0037	942mm	37.07in	917mm	36.09in	15mm	0.59in	14.67	1109
m1025	i0040	1025mm	40.35in	1000mm	39.37in	15mm	0.59in	16.00	1210
m1108	i0044	1108mm	43.64in	1083mm	42.65in	15mm	0.59in	17.33	1310
m1192	i0047	1192mm	46.92in	1167mm	45.93in	15mm	0.59in	18.67	1411
m1275	i0050	1275mm	50.20in	1250mm	49.21in	15mm	0.59in	20.00	1512
m1358	i0053	1358mm	53.48in	1333mm	52.49in	15mm	0.59in	21.33	1613
m1442	i0057	1442mm	56.76in	1417mm	55.77in	15mm	0.59in	22.67	1714
m1525	i0060	1525mm	60.04in	1500mm	59.06in	15mm	0.59in	24.00	1814
m1608	i0063	1608mm	63.32in	1583mm	62.34in	15mm	0.59in	25.33	1915
m1692	i0067	1692mm	66.60in	1667mm	65.62in	15mm	0.59in	26.67	2016
m1775	i0070	1775mm	69.88in	1750mm	68.90in	15mm	0.59in	28.00	2117
m1858	i0073	1858mm	73.16in	1833mm	72.18in	15mm	0.59in	29.33	2218
m1942	i0076	1942mm	76.44in	1917mm	75.46in	15mm	0.59in	30.67	2318
m2025	i0080	2025mm	79.72in	2000mm	78.74in	15mm	0.59in	32.00	2419

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

² Actual length of PCB strip

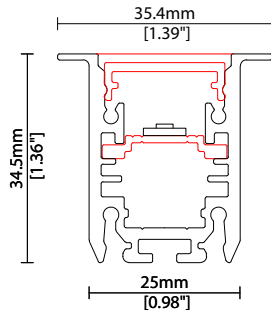
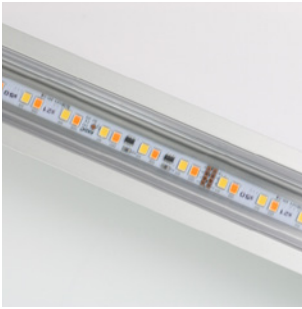
³ Actual length of 2x end caps



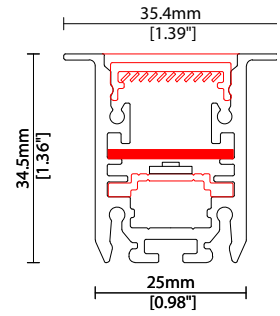
CUT-OUT SLOT:
W28-30mm (1.1-1.18")
L = Product length minus 4-5mm (0.15-0.19")

COVER/LENS OPTIONS

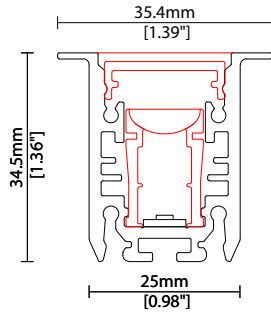
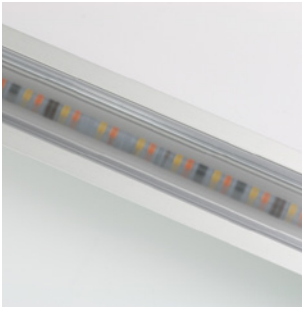
* Options are an integral part of the fixture ordering codes. Please refer to **Code Table** pages.



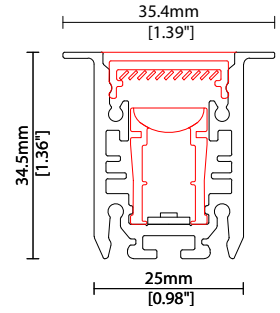
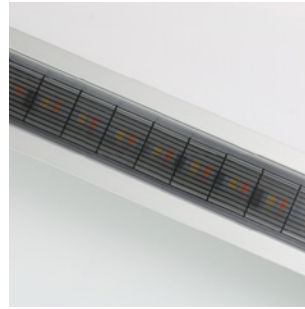
B Clear Cover
W25.0/H34.5mm (W0.98/H1.36")



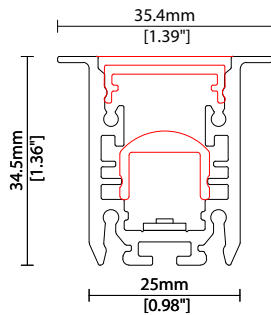
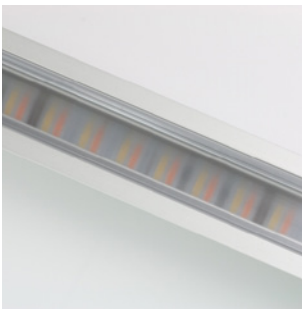
K Clear Cover + Micro Louvre
W25.0/H34.5mm (W0.98/H1.36")



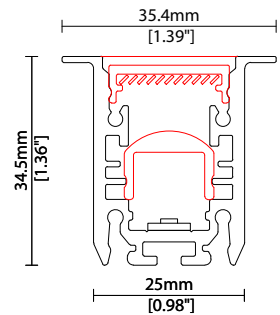
P Clear + KKLN-01 (18°)
W25.0/H34.5mm (W0.98/H1.36")



U Clear + KKLN-01 (18°)
+ Micro Louvre
W25.0/H34.5mm (W0.98/H1.36")



A Clear + KKLN-03 (23°)
W25.0/H34.5mm (W0.98/H1.36")



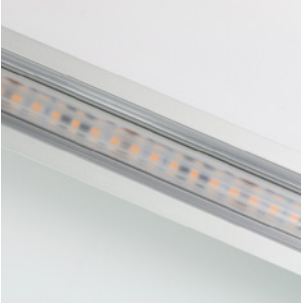
AK Clear + KKLN-03 (23°)
+ Micro Louvre
W25.0/H34.5mm (W0.98/H1.36")

Linear

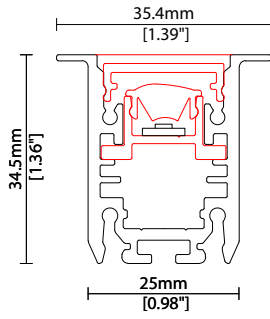
MOMO-R R207

Options

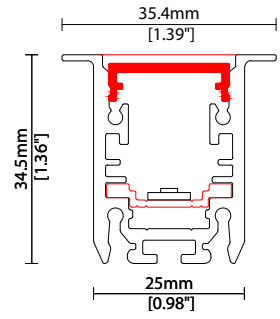
KKDC



BA2 Clear + KKLN-A2
W25.0/H34.5mm (W0.98/H1.36")

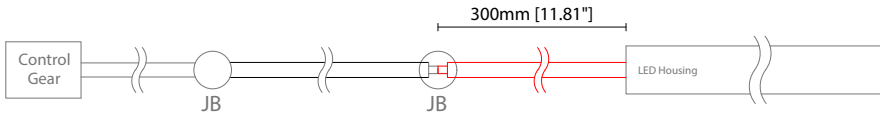


C Diffused
W25.0/H34.5mm (W0.98/H1.36")

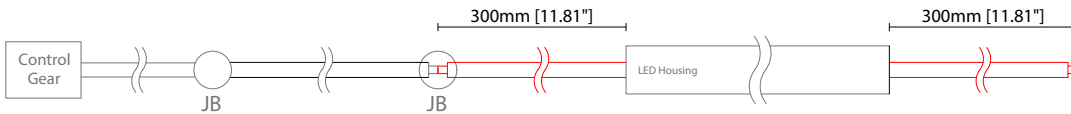


POWER FEED OPTIONS

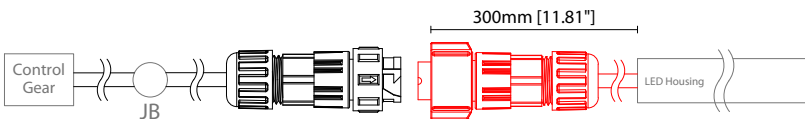
0300 S00A 300mm (11.81") Single Ø4.3mm sheath tail



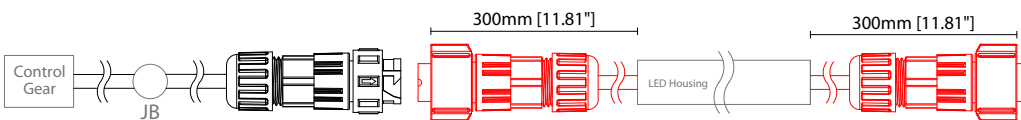
0300 D00A 300mm (11.81") Double Ø4.3mm sheath tail



0300 S67A 300mm (11.81") Single ø4.3mm sheath IP67 connector

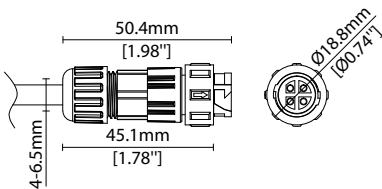


0300 D67A 300mm (11.81") Double ø4.3mm sheath IP67 connector

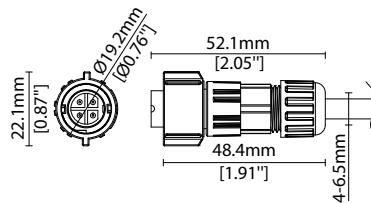


IP67 4 Pin Connector

Female connector
4 PIN (IP67)



Male connector
4 PIN (IP67)



Key

Control Gear Power supply, sub-controllers & control systems

JB Junction box / cable connection

Linear

MOMO-R R207 Accessories

KKDC

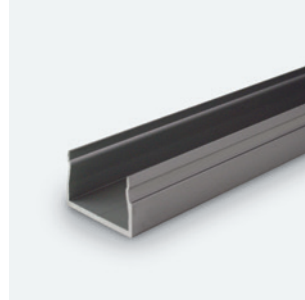
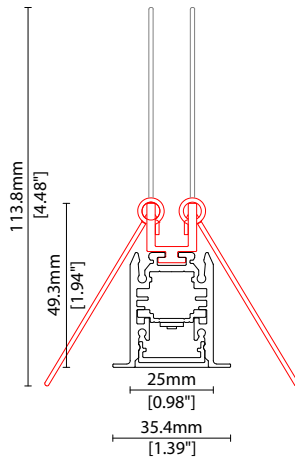
MOUNTING ACCESSORIES

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



KKS-01

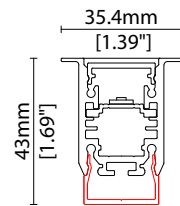
Spring bracket
(allow 2 per metre/40")
Anodised aluminium finish
L31/W35.4/H45.2mm
(L1.22/W1.39/H1.78")



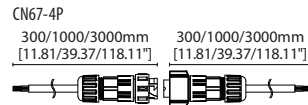
KKCR-01-1000 1000mm (39.37in)
KKCR-01-2000 2000mm (78.74in)
KKCR-01-3000 3000mm (118.11in)

Cable raceway*
anodised aluminium finish
W22/H36.4mm (W0.87/H1.43")

* Cut & drilled to fit on site



POWER FEED



CN67-4P-0300 300mm (11.81in) pair
CN67-4P-1000 1000mm (39.37in) pair
CN67-4P-3000 3000mm (118.11in) pair

IP67

4 PIN male + female (RGB/LEDmix) 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