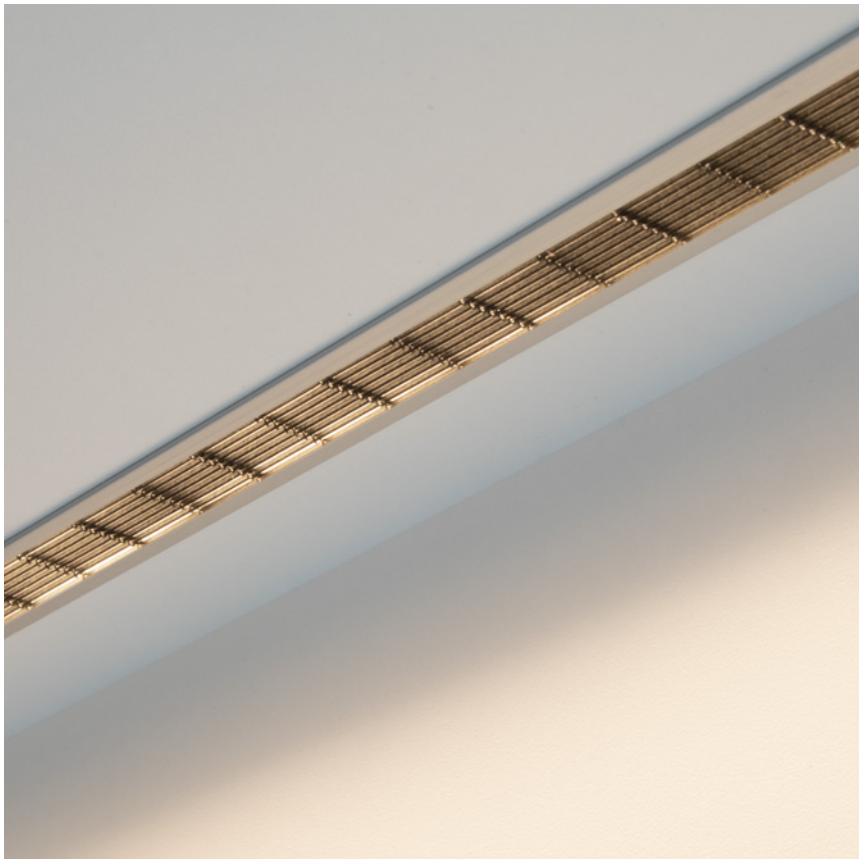
Linear

MOMO-R R020

Fixture Guide

Indoor/Outdoor | Recessed | Output up to 1632lm/m (498lm/ft)

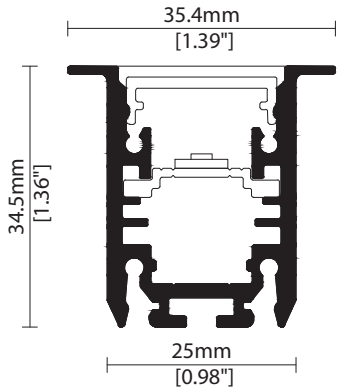


Key applications

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

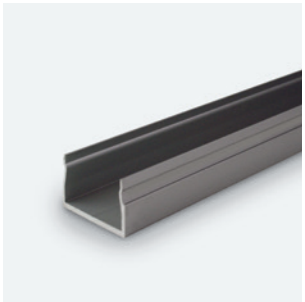
Key features

- ✓ Asymmetric lens
- ✓ Custom lengths
- ✓ Constant Voltage (CV)
- ✓ Diffusion: homogenous
- ✓ Direct view
- ✓ Extensive CCT range
- ✓ Glare control options
- ✓ IP54 moisture resistant
- ✓ IP67 waterproof
- ✓ 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)

Linear

MOMO-R R020

Specification sheet

24V DC | 20 W/m | 6.10 W/ft | ≤81.6 lm/W | IP54/67 | L70 B10 > 50000h | RoHS Compliant | LM79 Tested | LM80 Tested | TM-30 Results

Dimensions	H34.5/W35.4/L108-2025mm* (H1.36/W1.39/L4.25-79.72in*) *KKLN-A2 = 1025mm/40.35in max
PCB Cut-point	41.7mm increment/2000mm* max (1.64in increment/78.74in max*) *KKLN-A2 = 1000mm/39.37in max
LED Pitch	6.95mm-144LED/m (0.27in - 44LED/ft)
Chip	**s-line** **k-line**
Cover/Optics	Clear (100%)/Clear + Micro louvre/Clear + 18° lens (KKLN-01)/Clear + 18° lens (KKLN-01) + Micro louvre/Clear + 23° lens (KKLN-03)/ Clear + 23° lens (KKLN-03) + Micro louvre/Clear + Asymmetric lens (KKLN-A2), 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-step MacAdam ellipse **k-line:** 3-step MacAdam ellipse
CRI	≥ 92
Lifetime	50,000 hours @ 25°C (50,000 hours @ 77°F)
Operating temp	T_a = -25 to 50°C (T_c max = 82.9°C) T_a = -13 to 122°F (T_c max = 181°F)
IP Rating	IP54/67
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-line*
2-step CCT range

**KKDC tuned CCT range*

Base Grade

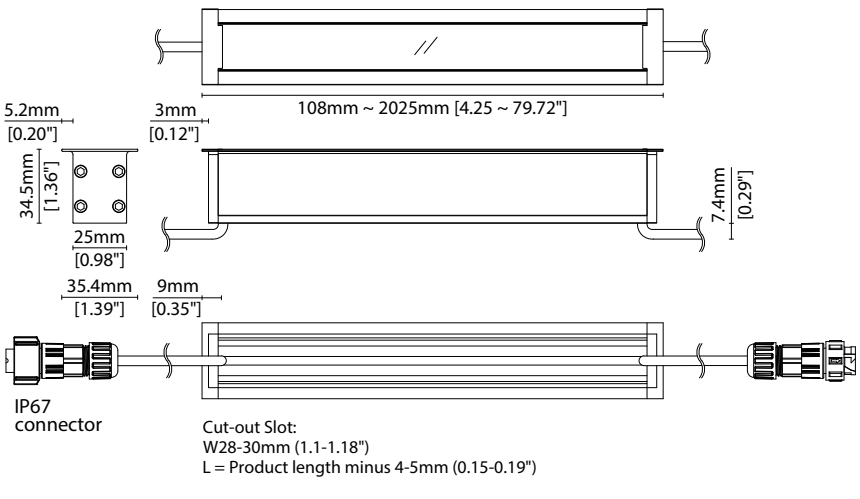
k-line
3-step commercial range
Energy Star CCTs

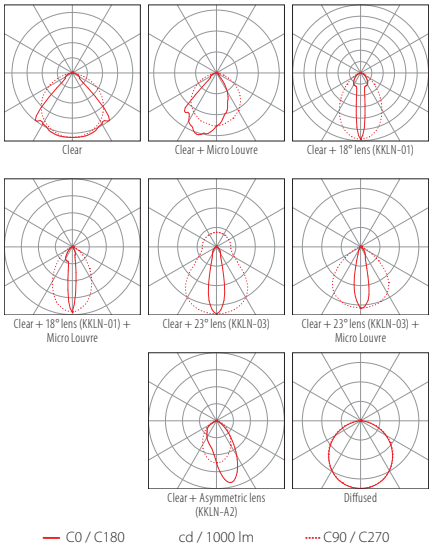
Power consumption	Supply voltage	Supply current
20W/m (6.10W/ft)	24V DC	0.83A/m (0.25A/ft)

Performance Data (3000K)

	R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14
k-line	93	97	98	91	92	94	92	83	62	90	91	74	94	98

	Clear	Clear + Micro Louvre	Clear + 18° lens (KKLN-01)	Clear + 18° lens (KKLN-01) + Micro Louvre	Clear + 23° lens (KKLN-03)	Clear + 23° lens (KKLN-03) + Micro Louvre	Clear + Asymmetric lens (KKLN-A2)	Diffused Cover	CRI	R9	Rf	Rg
s-line	1632lm/m (498lmft) 81.6lm/W	485lm/m (148lm/ft) 24.3lm/w	907lm/m (277lm/ft) 45.4lm/W	405lm/m (123lm/ft) 20.2lm/W	941lm/m (287lm/ft) 47.1lm/W	536lm/m (163lm/ft) 26.8lm/W	1630lm/m (497lm/ft) 81.5lm/W	736lm/m (224lm/ft) 36.8lm/W	93	63	-	-
k-line	1540lm/m (469lm/ft) 77lm/W	458lm/m (139lm/ft) 22.9lm/w	856lm/m (261lm/ft) 42.8lm/W	382lm/m (116lm/ft) 19.1lm/W	888lm/m (271lm/ft) 44.4lm/W	506lm/m (154lm/ft) 25.3lm/W	1538lm/m (469lm/ft) 76.9lm/W	694lm/m (212lm/ft) 34.7lm/W	92	62	-	-





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

Linear

MOMO-R R020
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 Clear + Micro Louvre K Clear + KKLN-01 (18°) P Clear + KKLN-01 (18°) + Micro Louvre U Clear + KKLN-03 (23°) A Clear + KKLN-03 (23°) + Micro Louvre AK Clear + KKLN-A2 BA2 Diffused C	s– s k– k	R020 R020	1900K 19 2100K 21 2300K 23 2500K 25 2700K 27 3000K 30 3500K 35 4000K 40 5000K 50	m 108-2025mm 41.7mm increments i 4.26-79.72in 1.64in increments (Specify length code OR total run length)	IP54 54 IP67[5] 67	300mm/11.81" 0300	Single ø4.3mm sheath tail S00A Double ø4.3mm sheath tail D00A Single ø4.3mm sheath IP67 connector S67A Double ø4.3mm sheath IP67 connector D67A	DC 24V g

[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] 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	-	R020	-	35	-	m	525	-	67	-	0300	-	D67A	-	g
MOMO-R		Silver Anodised		Diffused		s–		R020		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

CN67-2P-0300	IP67 2 PIN male & female 300mm/11.81" pair
CN67-2P-1000	IP67 2 PIN male & female 1000mm/39.37" pair
CN67-2P-3000	IP67 2 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

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)	83.3mm (3.28in)
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	6.10	MOMO-R RGBW	160-2035mm (6.30-80.12in)	62.5mm (2.46in)

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

Linear

MOMO-R R020

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	1.67	128
m0150	i0006	150mm	5.91in	125mm	4.92in	15mm	0.59in	2.50	192
m0192	i0008	192mm	7.55in	167mm	6.56in	15mm	0.59in	3.33	257
m0233	i0009	233mm	9.19in	208mm	8.20in	15mm	0.59in	4.17	321
m0275	i0011	275mm	10.83in	250mm	9.84in	15mm	0.59in	5.00	385
m0317	i0012	317mm	12.47in	292mm	11.48in	15mm	0.59in	5.83	449
m0358	i0014	358mm	14.11in	333mm	13.12in	15mm	0.59in	6.67	513
m0400	i0016	400mm	15.75in	375mm	14.76in	15mm	0.59in	7.50	577
m0442	i0017	442mm	17.39in	417mm	16.40in	15mm	0.59in	8.33	642
m0483	i0019	483mm	19.03in	458mm	18.04in	15mm	0.59in	9.17	706
m0525	i0021	525mm	20.67in	500mm	19.69in	15mm	0.59in	10.00	770
m0567	i0022	567mm	22.31in	542mm	21.33in	15mm	0.59in	10.83	834
m0608	i0024	608mm	23.95in	583mm	22.97in	15mm	0.59in	11.67	898
m0650	i0026	650mm	25.59in	625mm	24.61in	15mm	0.59in	12.50	962
m0692	i0027	692mm	27.23in	667mm	26.25in	15mm	0.59in	13.33	1027
m0733	i0029	733mm	28.87in	708mm	27.89in	15mm	0.59in	14.17	1091
m0775	i0031	775mm	30.51in	750mm	29.53in	15mm	0.59in	15.00	1155
m0817	i0032	817mm	32.15in	792mm	31.17in	15mm	0.59in	15.83	1219
m0858	i0034	858mm	33.79in	833mm	32.81in	15mm	0.59in	16.67	1283
m0900	i0035	900mm	35.43in	875mm	34.45in	15mm	0.59in	17.50	1347
m0942	i0037	942mm	37.07in	917mm	36.09in	15mm	0.59in	18.33	1412
m0983	i0039	983mm	38.71in	958mm	37.73in	15mm	0.59in	19.17	1476
m1025	i0040	1025mm	40.35in	1000mm	39.37in	15mm	0.59in	20.00	1540
m1067	i0042	1067mm	41.99in	1042mm	41.01in	15mm	0.59in	20.83	1604
m1108	i0044	1108mm	43.64in	1083mm	42.65in	15mm	0.59in	21.67	1668
m1150	i0045	1150mm	45.28in	1125mm	44.29in	15mm	0.59in	22.50	1732
m1192	i0047	1192mm	46.92in	1167mm	45.93in	15mm	0.59in	23.33	1797
m1233	i0049	1233mm	48.56in	1208mm	47.57in	15mm	0.59in	24.17	1861
m1275	i0050	1275mm	50.20in	1250mm	49.21in	15mm	0.59in	25.00	1925
m1317	i0052	1317mm	51.84in	1292mm	50.85in	15mm	0.59in	25.83	1989
m1358	i0053	1358mm	53.48in	1333mm	52.49in	15mm	0.59in	26.67	2053
m1400	i0055	1400mm	55.12in	1375mm	54.13in	15mm	0.59in	27.50	2117
m1442	i0057	1442mm	56.76in	1417mm	55.77in	15mm	0.59in	28.33	2182
m1483	i0058	1483mm	58.40in	1458mm	57.41in	15mm	0.59in	29.17	2246
m1525	i0060	1525mm	60.04in	1500mm	59.06in	15mm	0.59in	30.00	2310
m1567	i0062	1567mm	61.68in	1542mm	60.70in	15mm	0.59in	30.83	2374
m1608	i0063	1608mm	63.32in	1583mm	62.34in	15mm	0.59in	31.67	2438
m1650	i0065	1650mm	64.96in	1625mm	63.98in	15mm	0.59in	32.50	2502
m1692	i0067	1692mm	66.60in	1667mm	65.62in	15mm	0.59in	33.33	2567
m1733	i0068	1733mm	68.24in	1708mm	67.26in	15mm	0.59in	34.17	2631
m1775	i0070	1775mm	69.88in	1750mm	68.90in	15mm	0.59in	35.00	2695
m1817	i0072	1817mm	71.52in	1792mm	70.54in	15mm	0.59in	35.83	2759
m1858	i0073	1858mm	73.16in	1833mm	72.18in	15mm	0.59in	36.67	2823

Linear

MOMO-R R020

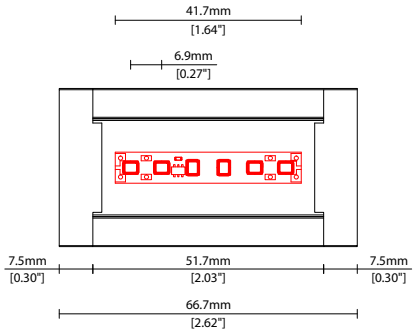
Length Availability List

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)
m1900	i0075	1900mm	74.80in	1875mm	73.82in	15mm	0.59in	37.50	2887
m1942	i0076	1942mm	76.44in	1917mm	75.46in	15mm	0.59in	38.33	2952
m1983	i0078	1983mm	78.08in	1958mm	77.10in	15mm	0.59in	39.17	3016
m2025	i0080	2025mm	79.72in	2000mm	78.74in	15mm	0.59in	40.00	3080

[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



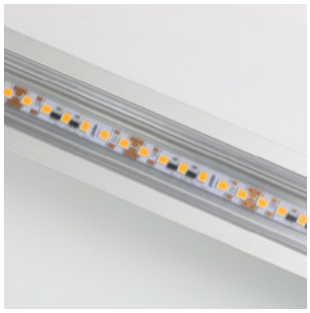
CUT-OUT SLOT:
W28-30mm (1.1-1.18")
L = Product length minus 4-5mm (0.15-0.19")

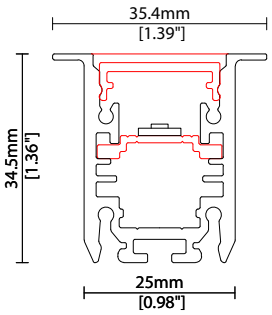
Linear

MOMO-R R020
Options

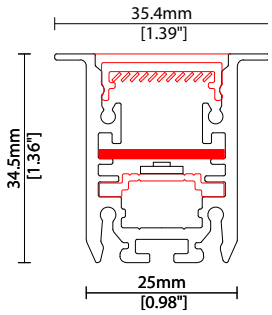
COVER/LENS OPTIONS

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

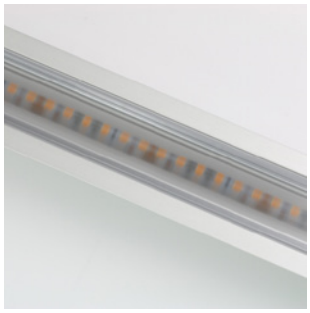


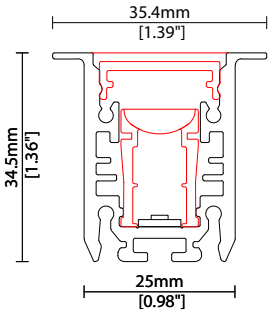


B Clear Cover
W25.0/H34.5mm (W0.98/H1.36")

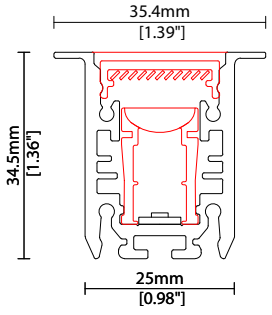


K Clear Cover + Micro Louvre
W25.0/H34.5mm (W0.98/H1.36")

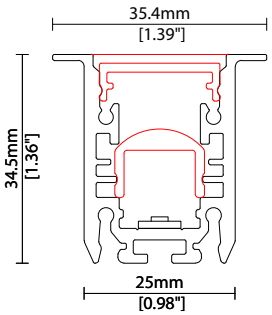




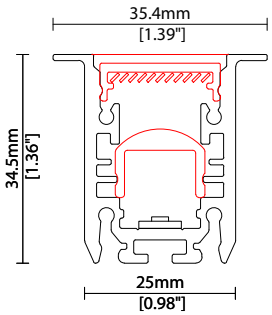
P Clear + KKLN-01 (18°)
W25.0/H34.5mm (W0.98/H1.36")



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")

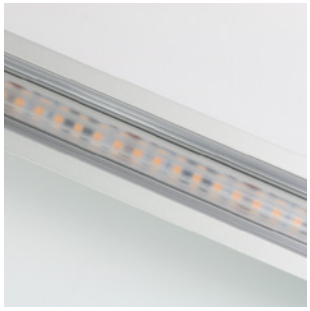


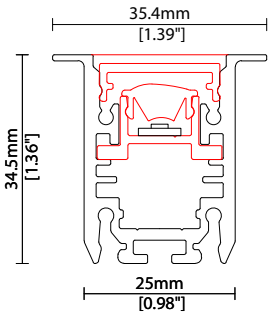
AK Clear + KKLN-03 (23°)
+ Micro Louvre
W25.0/H34.5mm (W0.98/H1.36")

Linear

MOMO-R R020

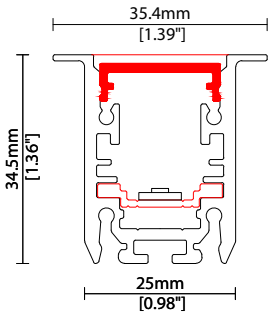
Options





BA2 Clear + KKLN-A2

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



C Diffused

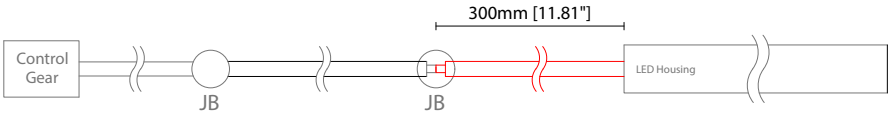
W25.0/H34.5mm (W0.98/H1.36")

Linear

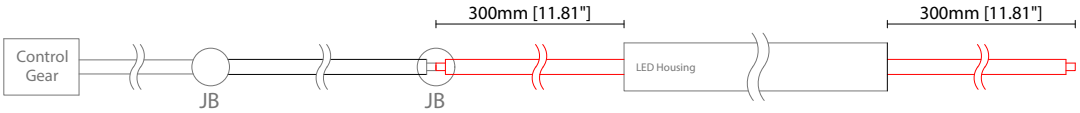
MOMO-R R020
Options

POWER FEED OPTIONS

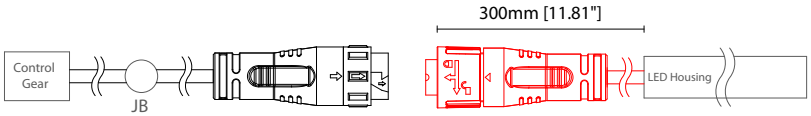
0300 S00A 300mm (11.81") Single Ø4.3mm sheath tail



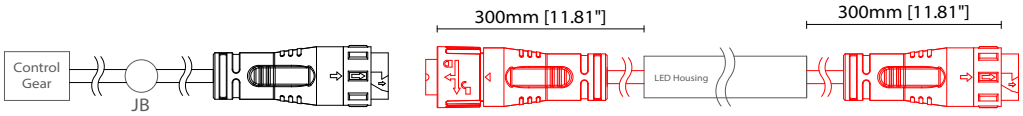
0300 D00A 300mm (11.81") Double Ø4.3mm sheath tail



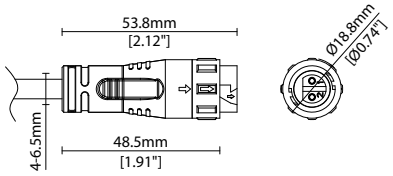
0300 S67A 300mm (11.81") Single ø4.3mm sheath connector IP67 (Premoulded)



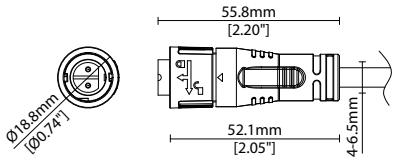
0300 D67A 300mm (11.81") Double ø4.3mm sheath connector IP67 (Premoulded)



2 Pin Female Connector IP67 (Premoulded)



2 Pin Male Connector IP67 (Premoulded)



Key

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

Linear

MOMO-R R020
Accessories

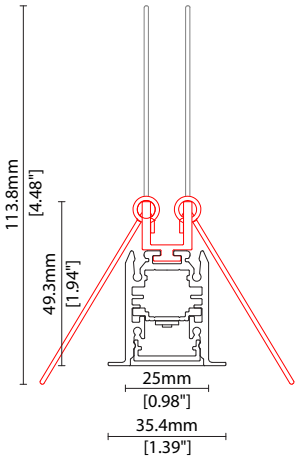
MOUNTING ACCESSORIES

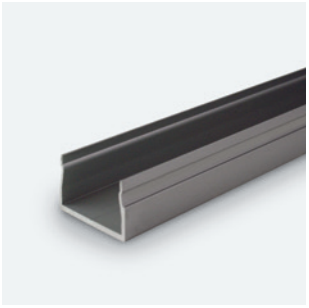
Note: Accessories are to be ordered separately with corresponding code shown below.

KKSB-01

Spring bracket
(allow 2 per metre/40")
Anodised aluminium finish

L31/W35.4/H45.2mm
(L1.22/W1.39/H1.78")



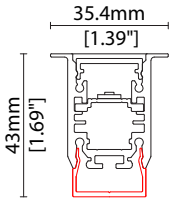


KKCR-01-1000 1000mm (39.37in)
KKCR-01-2000 2000mm (78.74in)
KKCR-01-3000 3000mm (118.11in)

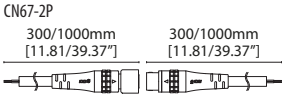
Cable raceway*
anodised aluminium finish

W22/H36.4mm (W0.87/H1.43")

* Cut & drilled to fit on site



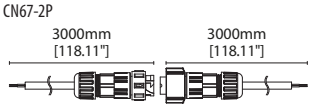
POWER FEED



CN67-2P-0300 300mm (11.81in) pair
CN67-2P-1000 1000mm (39.37in) pair

IP67

2 PIN male + female connector set



CN67-2P-3000 3000mm (118.11in) pair

IP67

2 PIN male + female 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

Linear

MOMO-R R020

Accessories

KKDC CONTROL

IP20

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

KKDM-06 1-10V

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

IP20

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

KKSC-05 DMX

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

IP20

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

KKDL-02 DALI

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

IP20

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

KKDL-03 DALI

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

IP20

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

KKDL-04 DALI-2

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

Linear

MOMO-R
Driver/PSU Options

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-02/03/04/visDIM PRO 30	90-295V	24V	2.5A	60W	100-0.1	IP67/IP20
	HLG-60H-24	KKDL-02/03/04/visDIM PRO 30	90-305V	24V	2.5A	60W	100-0.1	IP67/IP20
	HLG-100H-24	KKDL-02/03/04/visDIM PRO 30	90-305V	24V	4.0A	100W	100-0.1	IP67/IP20
	HLG-150H-24	KKDL-02/03/04/visDIM PRO 30	90-305V	24V	6.3A	150W	100-0.1	IP67/IP20
	HLG-240H-24	KKDL-02/03/04/visDIM PRO 30	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