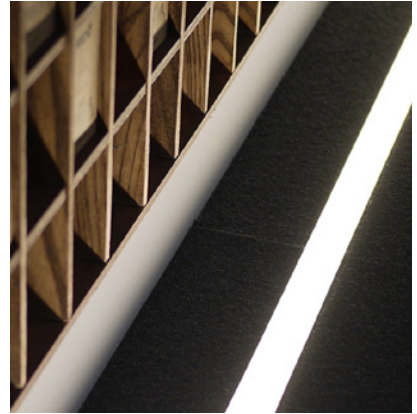


Linear

MoMo-BLOC 504 Fixture Guide

KKDÖ

Indoor/Outdoor | Recessed | Low output up to 230lm/m (70lm/ft)

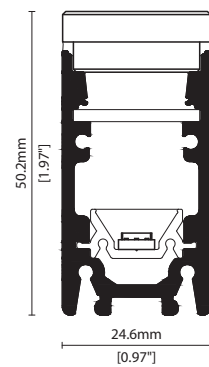


Key applications

- ✓ Interior/Exterior
- ✓ Orientation lighting
- ✓ Public spaces
- ✓ Uplighting
- ✓ Wall grazing

Key features

- ✓ Diffusion: Homogenous
- ✓ Direct view
- ✓ Extensive CCT range
- ✓ Form factor: Large
- ✓ In-ground walk/driveover
- ✓ IP67
- ✓ Output low



MOUNTING METHODS



KKBG-01 Ground box



KKBG-02 Ground box



KKBG-03 Ground box

Linear

MoMo-BLOC 504

Specification sheet



Dimension	H50.15/W24.6/L524/1024mm (H1.98/W0.97/L20.63/40.31in)
PCB increment	100mm increment/1000mm max (3.94in increment/39.37in max)
LED pitch	16.7mm - 60LED/m (0.66in - 18LED/ft)
Chip	s/e-line Toyoda Gosei k-line Toyoda Gosei or Equivalent
Beam angle	78° (Frosted glass)
Colours	s/e/k-line 2300K/2500K/3000K/3400K/4000K/4100K s-line Single colours: Red/Green/Blue/Orange/Amber
Bin/Step	s-line 2-step MacAdam ellipse e/k-line 3-step MacAdam ellipse
CRI	≥ 90
Lifetime	50,000 hours @ 25°C (50,000 hours @ 77°F)
Operating temp	T _a = -25 to 60°C (T _C max = 68.5°C) T _a = -13 to 140°F (T _C max = 155.3°F)
IP rating	IP67
Finish	Silver/Hard anodised (stainless steel ground box)
Cover/lens	Frosted glass
Mounting	Recessed ground box
Connection	Sheathed hardwire tails or male/female connectors
Control	0-10V/1-10V/DMX/DALI
Drive over	EN 60598-2-13:2006+A1:2012 (Static load, Torque and Shear load testing)
IK Rating	IEC 62262:2010/IK08



LED Grading Key

Exclusive Grade

s-line*
2-step CCT range

*KKDC tuned
CCT range

e-line*
3-step CCT range

Base Grade

k-line
3-step commercial range
Energy Star CCTs

PERFORMANCE DATA @ 3000K

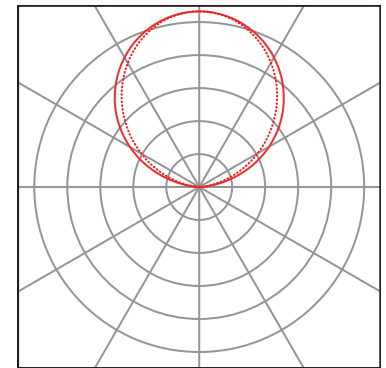
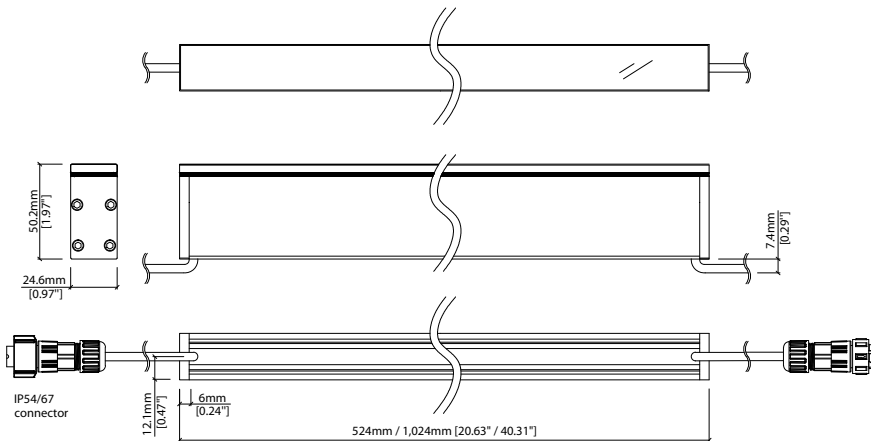
Power Consumption	Supply voltage	Supply current
12.5W/m (3.81W/ft)	24V DC	0.52A/m (0.16A/ft)

Colour Rendering Index (CRI)

	R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14
k-line	94	97	98	93	93	96	92	83	60	93	94	82	95	99

Frosted glass

					CRI	R9	Rf	Rg
s/e-line	230lm/m (70lm/ft)	18.3lm/W			92	54	-	-
k-line	210lm/m (64lm/ft)	16.8lm/W			92	60	-	-



— C0 / C180 cd / 1000 lm - - - C90 / C270

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

FIXTURE

Model	Finish	Cover ¹	Grade ²	LED	Colour (CCT)	Length Availability ³	IP	Cable Length	Power Feed ⁴	Input		
MoMo-BLOC BL	Silver Anodised SA	Frosted Glass M	s	504	2300K (2100K PCB) ⁶	m 524/1024mm i 20.63/40.31in	IP67	300mm/11.81" 0300 1000mm/39.37" 1000	Single ø4.3mm sheath tail	S00A	DC 24V g	
					2500K (2300K PCB) ⁶				Double ø4.3mm sheath tail			D00A
	Hard Anodised ⁵ HA	Frosted Glass M	s	504	3000K (2500K PCB) ⁶	m 524/1024mm i 20.63/40.31in	IP67	300mm/11.81" 0300 1000mm/39.37" 1000	Single ø4.3mm sheath IP67 connector	S67A	DC 24V g	
					3400K (2700K PCB) ⁶				Double ø4.3mm sheath IP67 connector			D67A
					4000K (3000K PCB) ⁶							
					4100K (3200K PCB) ⁶							
					RED RED s-only							
					GREEN GRN							
	BLUE BLU											
	ORANGE ORN											
AMBER AMB												

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

⁶ Hard anodised finish reduces light output by an average of 30%

⁷ Actual colour temperature after colour shift caused by silicone potting

Code Example:

BL	-	SA	-	M	-	s	-	504	-	40	-	m	524	-	67	-	0300	-	D00A	-	g
MoMo-BLOC		Silver Anodised		Frosted Glass		s		504		4000K (3000K PCB)		m	524mm		IP67		300mm/11.81"		Double ø4.3mm sheath tail		DC 24V

ACCESSORIES

Mounting Accessories

KKBG-01	Ground box 01
KKBG-02	Ground box 02
KKBG-03	Ground box 03

* 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	Output	LED	Lumen/m	Lumen/ft	W/m	W/ft	Spec Doc	Length
Single CCT	Low	352	100	31	5.5	1.67	MoMo-BLOC 352	524/1024mm (20.63/40.31in)
	Low	504	230	70	12.5	3.81	MoMo-BLOC 504	524/1024mm (20.63/40.31in)
RGB	Low	508	320	98	17.5	5.33	MoMo-BLOC 508	524/1024mm (20.63/40.31in)
	Low	007	182	56	10.9	3.32	MoMo-BLOC 007	524/1024mm (20.63/40.31in)
		501	Red 30 Green 88 Blue 14 RGB 127	Red 9 Green 27 Blue 4 RGB 39	15.6	4.75	MoMo-BLOC RGB	524/1024mm (20.63/40.31in)

* Performance data: s/e-line, frosted glass, 3000K

Linear

MoMo-BLOC 504

Length Availability List

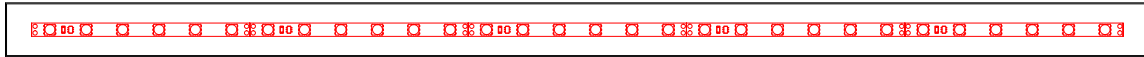
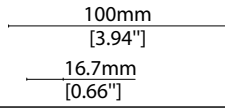


Length Code		Fixture Length ¹		LED Strip ²		End Cap Dimension ³		Wattage (W)	Output (lm)	
Metric	Imperial(US)	Metric	Imperial(US)	Metric	Imperial(US)	Metric	Imperial(US)		3000K (Test Data)	Range Data
m0524	i0020	524mm	20.63in	500mm	19.69in	10mm	0.39in	6.25	114	84-119
m1024	i0040	1024mm	40.31in	1000mm	39.37in	10mm	0.39in	12.50	229	168-238

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



12mm [0.47"]	500mm/1000mm [19.69"/39.37"]	12mm [0.47"]
	524mm/1024mm [20.63"/40.31"]	

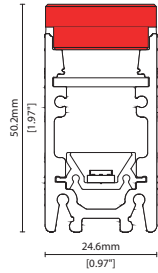


MoMo-BLOC 504 Options



COVER/LENS OPTIONS

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

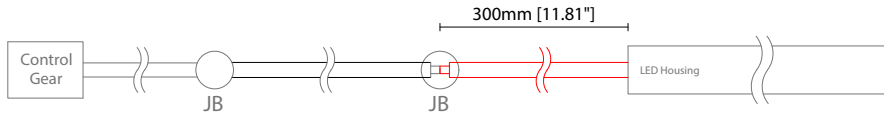


M Frosted Glass Cover
W24.6/H50.2mm (W0.97/H1.97")

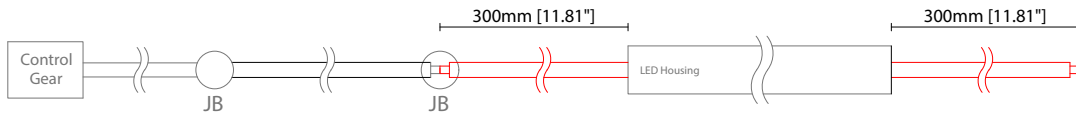
POWER FEED OPTIONS

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

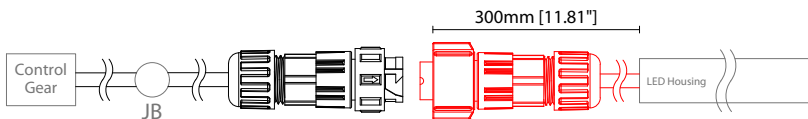
0300 S00A 300mm (11.81") Single Ø4.3mm sheath tail



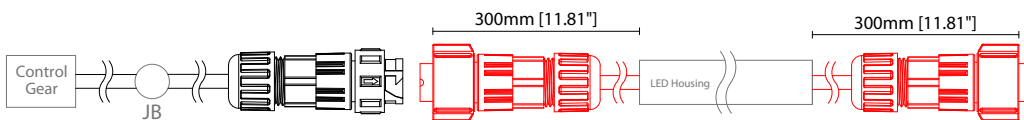
0300 D00A 300mm (11.81") Double Ø4.3mm sheath tail



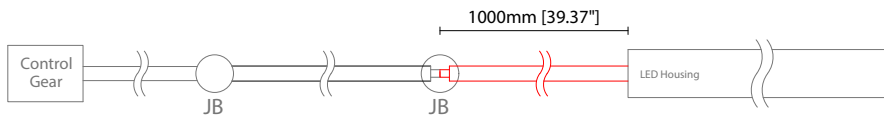
0300 S67A 300mm (11.81") Single Ø4.3mm sheath IP67 connector



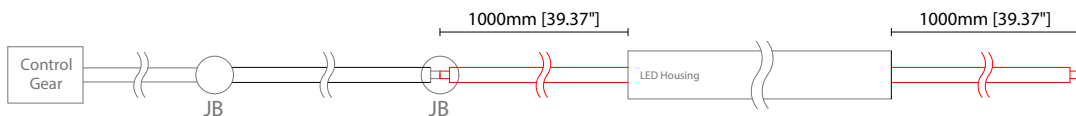
0300 D67A 300mm (11.81") Double Ø4.3mm sheath IP67 connector



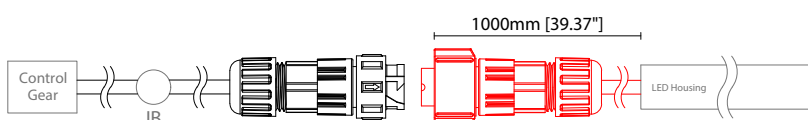
1000 S00A 1000mm (39.37") Single Ø4.3mm sheath tail



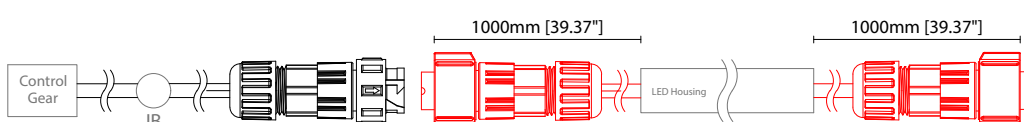
1000 D00A 1000mm (39.37") Double Ø4.3mm sheath tail



1000 S67A 1000mm (39.37") Single Ø4.3mm sheath IP67 connector



1000 D67A 1000mm (39.37") Double Ø4.3mm sheath IP67 connector



Key

Control Gear Power supply, sub-controllers & control systems

JB Junction box / cable connection

Linear

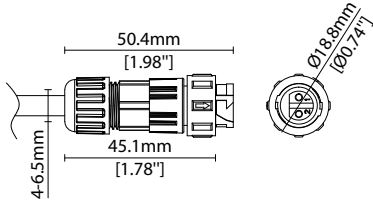
MoMo-BLOC 504 Options



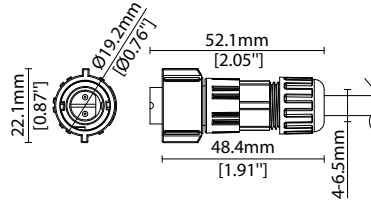
POWER FEED OPTIONS (CONTINUED)

IP67 2 Pin Connector

Female connector
2 PIN (IP67)



Male connector
2 PIN (IP67)

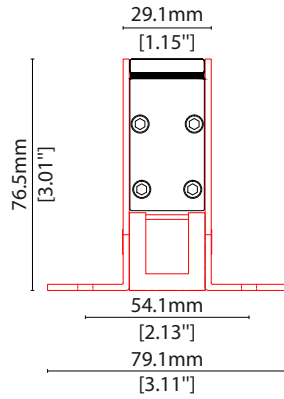


MOUNTING ACCESSORIES

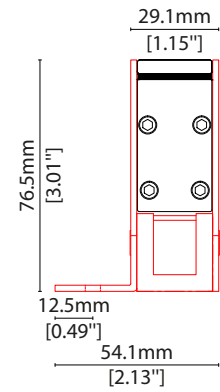
Note: Accessories are to be ordered separately with corresponding code shown below.



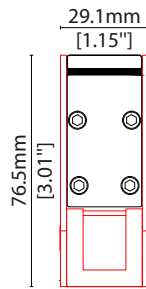
KKBG-01 *
Ground box 01
Stainless steel finish
W79.1/H76.5mm (W3.11/H3.01")
* Specify length to match BLOC



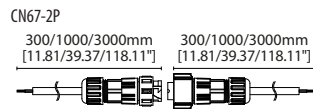
KKBG-02 *
Ground box 02
Stainless steel finish
W54.1/H76.5mm (W2.13/H3.01")
* specify length to match BLOC



KKBG-03 *
Ground box 03
Stainless steel finish
W29.1/H76.5mm (W1.15/H3.01")
* specify length to match BLOC



POWER FEED



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

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