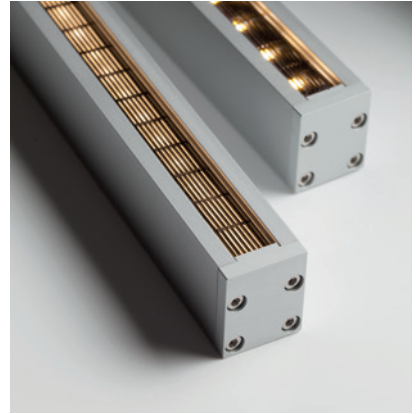


Linear

MoMo-L 504 Fixture Guide

KKDÖ

Indoor/Outdoor | Surface | Mid output up to 760lm/m (232lm/ft)

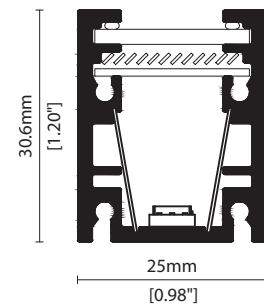


Key applications

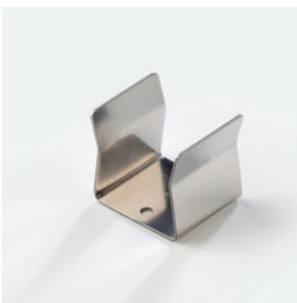
- ✓ Bathrooms
- ✓ Building façades
- ✓ Ceiling
- ✓ Downlighting
- ✓ Interior/Exterior
- ✓ Public spaces
- ✓ Retail display
- ✓ Wall grazing
- ✓ Window Reveal

Key features

- ✓ Custom lengths
- ✓ Diffusion: Homogenous
- ✓ Direct view
- ✓ Extensive CCT range
- ✓ Form factor: Medium
- ✓ Glare Control
- ✓ IP54
- ✓ IP67
- ✓ Lensed
- ✓ Output mid



MOUNTING METHODS



KKCP-03 Clip



KKCP-17 Lock clip



KKBK-07 Fixing plate



KKBK-21 Adjustable bracket

Linear

MoMo-L 504

Specification sheet



Dimension	H30/W25/L120-2020mm* (H1.18/W0.98/L4.72-79.53in*) *Nano Louvre = 1020mm/40.16in Max
PCB increment	100mm increment/2000mm* (3.94in increment/78.74in*) *Nano Louvre = 1000mm/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	70° (Clear)/18° (KKLN-01)/95° (Diffused)/35° (Diffused + Nano Louvre)
Colours	s/e-line 1900K/2100K/2300K/2500K/2700K/3000K/3500K/4000K/5000K Single colours: Red/Green/Blue/Orange/Amber k-line 1900K/2100K/2300K/2500K/2700K/3000K/3500K/4000K/5000K
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 = 70°C) T _a = -13 to 140°F (T _c max = 158°F)
IP rating	IP54/IP67
Finish	Silver anodised
Cover/lens	Clear/Clear + 18° (KKLN-01)/Clear + 18° (KKLN-01) + Micro Louvre/Clear + 23° (KKLN-03)/ Clear + 23° (KKLN-03) + Micro Louvre/Clear + Micro Louvre/Diffused/Diffused + Nano Louvre
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-line***
2-step CCT range
- e-line***
3-step CCT range

*KKDC tuned CCT range

Base Grade

- k-line**
3-step commercial range
Energy Star CCTs

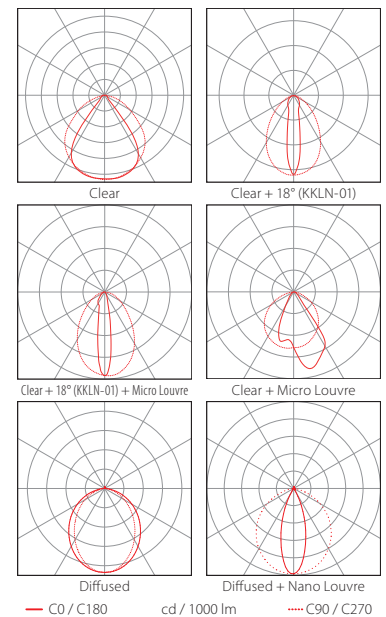
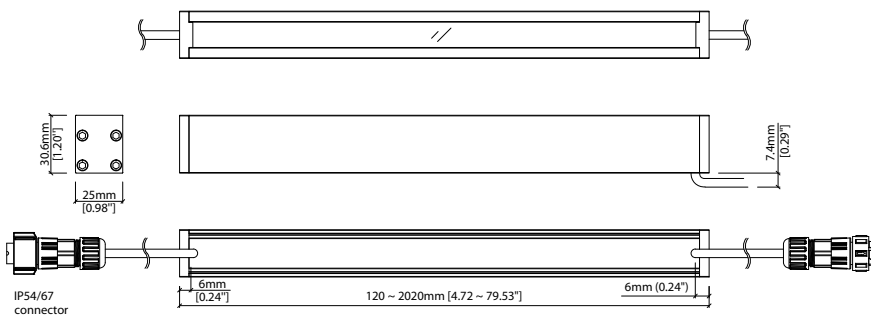
PERFORMANCE DATA @ 3000K

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

	Clear	Clear + 18° (KKLN-01)	Clear + 18° (KKLN-01) + Micro Louvre	Clear + 23° (KKLN-03)	Clear + 23° (KKLN-03) + Micro Louvre	Clear + Micro Louvre	Diffused	Diffused + Nano Louvre	CRI	R9	Rf	Rg
s/e-line	760lm/m (232lm/ft) 60.9lm/W	410lm/m (125lm/ft) 32.5lm/W	200lm/m (61lm/ft) 16.2lm/W	426lm/m (130lm/ft) 34.1lm/W	213lm/m (65lm/ft) 17.1lm/W	290lm/m (88lm/ft) 23.2lm/W	440lm/m (134lm/ft) 35lm/W	111lm/m (34lm/ft) 8.9lm/W	91	55	-	-
k-line	690lm/m (210lm/ft) 54.9lm/W	340lm/m (104lm/ft) 27.1lm/W	180lm/m (55lm/ft) 14.3lm/W	350lm/m (107lm/ft) 28lm/W	175lm/m (54lm/ft) 14lm/W	240lm/m (73lm/ft) 18.9lm/W	420lm/m (128lm/ft) 33.2lm/W	106lm/m (32lm/ft) 8.5lm/W	92	60	-	-



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-L	MO Silver Anodised	SA	Clear	B	s	504	1900K	19	m 120-2020mm 100mm increments	IP54 54 IP67 ⁵ 67	300mm/ 11.81"	0300	Single ø4.3mm sheath tail	S00A	DC 24V g
			Clear + 18° (KKLN-01)	P	e	2100K	21								
			Clear + 18° (KKLN-01) + Micro Louvre	U	k	2300K	23								
			Clear + Micro Louvre	K		2500K	25								
			Clear + Micro Louvre			2700K	27								
			Clear + Micro Louvre			3000K	30								
			Clear + Micro Louvre			3500K	35								
			Clear + 23° (KKLN-03)	A		4000K	40								
			Clear + 23° (KKLN-03) + Micro Louvre	AK		5000K	50								
			Diffused	C		RED	RED s only								
			Diffused + Nano Louvre ⁵	CN		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 ⁵ Max length available with Nano Louvre is 1020mm

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

⁷ IP67 connectors are used for both IP67 and IP54 product housings

Code Example:

MO	-	SA	-	C	-	s	-	504	-	35	-	m	520	-	67	-	0300	-	D67A	-	g
MoMo-L		Silver Anodised		Diffused		s		504		3500K		m	520mm		IP67		300mm/11.81"		Double ø4.3mm sheath IP67 connector		DC 24V

ACCESSORIES

Mounting Accessories

KKCP-03	Clip (1no.)
KKCP-53	Clip (500no.)
KKCP-17	Lock Clip
KKBK-07	Fixing plate
KKBK-21	Adjustable bracket

* 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	Increment
Single CCT	Low	352	320	100	5.5	1.67	MoMo-L 352	103.3-2020mm (4.07-79.53in)	83.3mm (3.28in)
	Mid	504	760	232	12.5	3.81	MoMo-L 504	120-2020mm (4.72-79.53in)	100mm (3.94in)
	Mid	508	1040	317	17.5	5.33	MoMo-L 508	91.4-2020mm (3.60-79.53in)	71.4mm (2.81in)
	Max	512	1800	548	30.2	9.2	MoMo-L 512	91.4-2020mm (3.60-79.53in)	71.4mm (2.81in)
	Max	040	3160	963	40	12.19	MoMo-L A040	97-1520mm (3.82-59.84in)	38.46mm (1.51in)
Warm Dim/Dynamic White	Mid	207	570	171	11	3.35	MoMo-L 207	103.3-2020mm (4.07-79.53in)	83.3mm (3.28in)
	Mid	208	920	311	15.6	4.75	MoMo-L 208	186.7-2020mm (7.35-79.53in)	166.7mm (6.56in)
RGB		501	Red 95 Green 206 Blue 34 RGB 318	Red 29 Green 63 Blue 10 RGB 97	15.6	4.75	MoMo-L RGB	103.3-2020mm (4.07-79.53in)	83.3mm (3.28in)

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

MoMo-L 504

Length Availability List

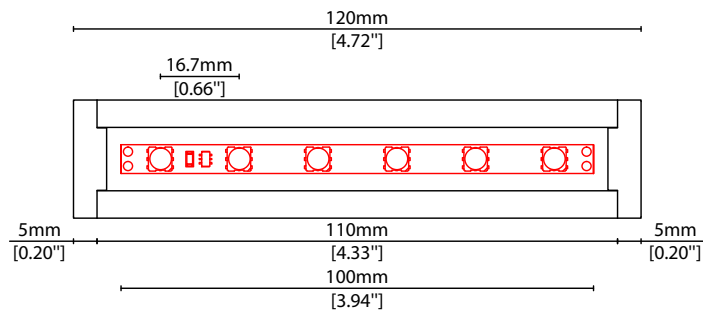


Length Code		Fixture Length ¹		LED Strip ²		End Cap Dimension ³		Wattage (W)	Output (lm)	
Metric	Imperial(US)	Metric	Imperial(US)	Metric	Imperial(US)	Metric	Imperial(US)		3000K (Test Data)	Range Data
m0120	i0005	120mm	4.72in	100mm	3.94in	10mm	0.39in	1.25	75	9-78
m0220	i0009	220mm	8.66in	200mm	7.87in	10mm	0.39in	2.50	150	17-156
m0320	i0013	320mm	12.60in	300mm	11.81in	10mm	0.39in	3.75	225	26-234
m0420	i0017	420mm	16.54in	400mm	15.75in	10mm	0.39in	5.00	300	34-312
m0520	i0020	520mm	20.47in	500mm	19.69in	10mm	0.39in	6.25	375	43-390
m0620	i0024	620mm	24.41in	600mm	23.62in	10mm	0.39in	7.50	450	51-468
m0720	i0028	720mm	28.35in	700mm	27.56in	10mm	0.39in	8.75	525	60-546
m0820	i0032	820mm	32.28in	800mm	31.50in	10mm	0.39in	10.00	600	68-624
m0920	i0036	920mm	36.22in	900mm	35.43in	10mm	0.39in	11.25	675	77-702
m1020	i0040	1020mm	40.16in	1000mm	39.37in	10mm	0.39in	12.50	750	85-780
m1120	i0044	1120mm	44.09in	1100mm	43.31in	10mm	0.39in	13.75	825	94-858
m1220	i0048	1220mm	48.03in	1200mm	47.24in	10mm	0.39in	15.00	900	102-936
m1320	i0052	1320mm	51.97in	1300mm	51.18in	10mm	0.39in	16.25	975	111-1014
m1420	i0056	1420mm	55.91in	1400mm	55.12in	10mm	0.39in	17.50	1050	119-1092
m1520	i0060	1520mm	59.84in	1500mm	59.06in	10mm	0.39in	18.75	1125	128-1170
m1620	i0064	1620mm	63.78in	1600mm	62.99in	10mm	0.39in	20.00	1200	136-1248
m1720	i0068	1720mm	67.72in	1700mm	66.93in	10mm	0.39in	21.25	1275	145-1326
m1820	i0072	1820mm	71.65in	1800mm	70.87in	10mm	0.39in	22.50	1350	153-1404
m1920	i0076	1920mm	75.59in	1900mm	74.80in	10mm	0.39in	23.75	1425	162-1482
m2020	i0080	2020mm	79.53in	2000mm	78.74in	10mm	0.39in	25.00	1500	170-1560

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

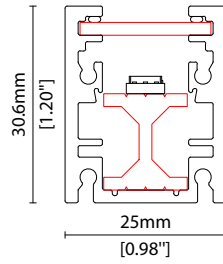
² Actual length of PCB strip

³ Actual length of 2x end caps

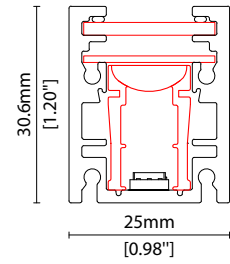
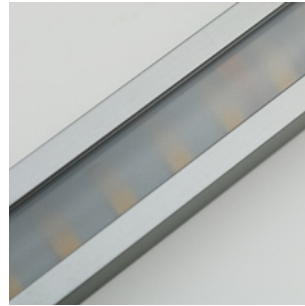


COVER/LENS OPTIONS

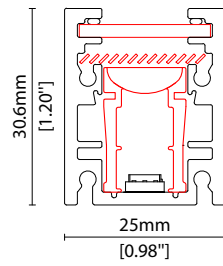
* Options are an integral part of the fixture ordering codes. Please refer to **Code Table** pages.



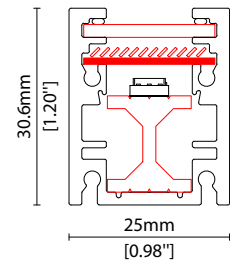
B Clear Cover



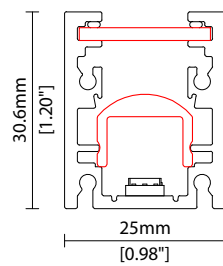
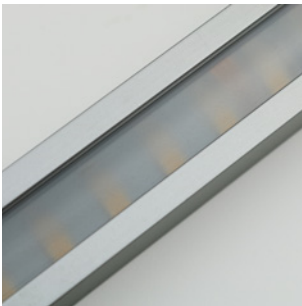
P Clear Cover + 18°
(KKLN-01) lens



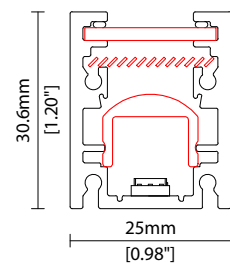
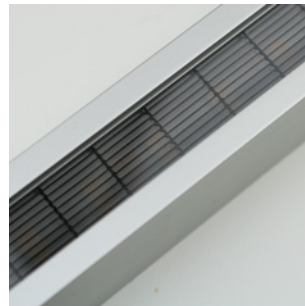
U Clear Cover + Micro
Louvre + 18° (KKLN-01) lens



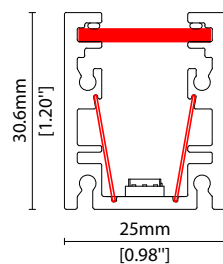
K Clear Cover + Micro Louvre
(diffused internal cover)



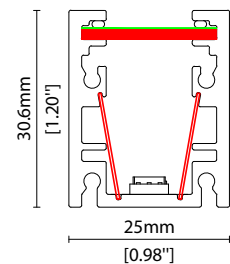
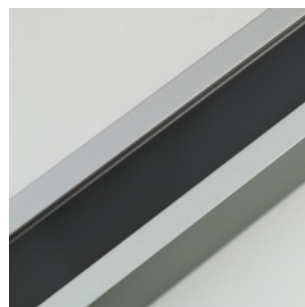
A Clear Cover +
23° (KKLN-03) lens



AK Clear Cover + 23° (KKLN-03)
lens + Micro Louvre



C Diffused Cover

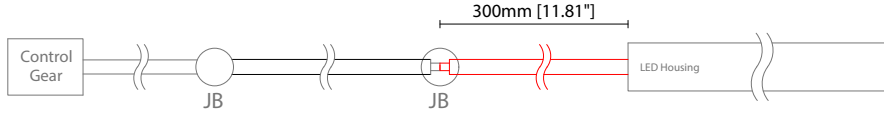


CN Diffused Cover + Nano Louvre

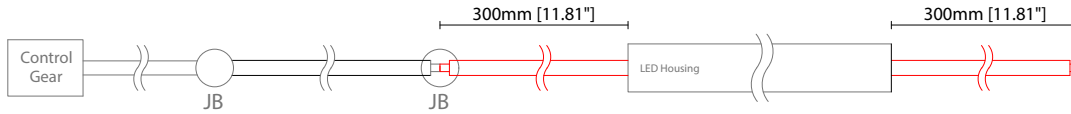
POWER FEED OPTIONS

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

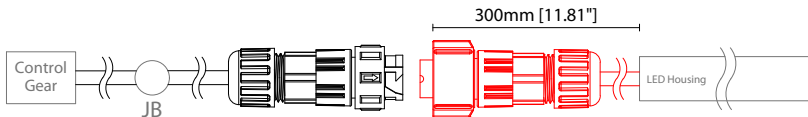
0300 S00A 300mm (11.81") Single Ø4.3mm sheath tail



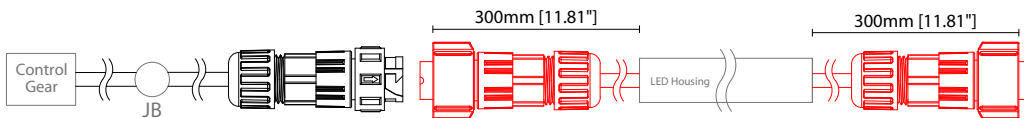
0300 D00A 300mm (11.81") Double Ø4.3mm sheath tail



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

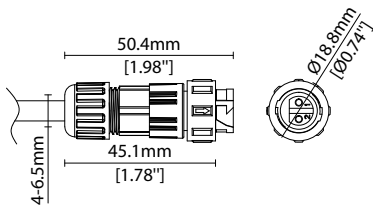


0300 D67A 300mm (11.81") Double ø4.3mm sheath IP67 connector

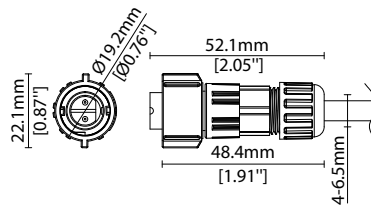


IP67 2 Pin Connector

Female connector
2 PIN (IP67)



Male connector
2 PIN (IP67)



Key

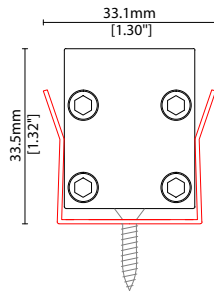
- Control Gear Power supply, sub-controllers & control systems
- JB Junction box / cable connection

MOUNTING ACCESSORIES

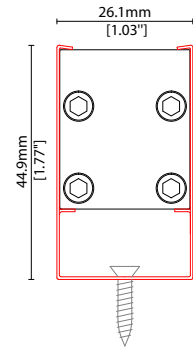
Note: Accessories are to be ordered separately with corresponding code shown below.



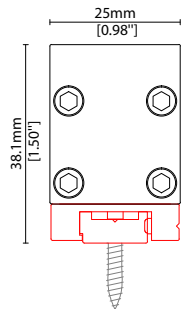
KKCP-03 (1no.)
KKCP-53 (500no.)
Clip (allow 3 per metre/40in)
S/Steel finish
L25/W33.1/H33.5mm
(L0.98/W1.3/H1.32")



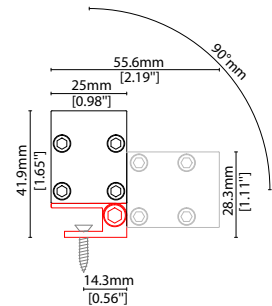
KKCP-17
Lock clip (allow 2 per metre/40in)
S/Steel finish
L25/W26.1/H45mm
(L0.98/W1.03/H1.77")



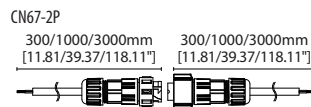
KKBK-07
Fixing plate (allow 2 per metre/40in)
Anodised aluminium finish
L50/W25/H38mm
(L1.97/W0.98/H1.5")
Pre-assembled in factory



KKBK-21
Adjustable bracket (allow 2 per metre/40in)
Anodised aluminium finish
L34/W25/H41.9mm
(L1.34/W0.98/H1.65")
Pre-assembled in factory



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