

Linear

MoMo RGB Fixture Guide

KKDÖ

Indoor/Outdoor | Surface | RGB output

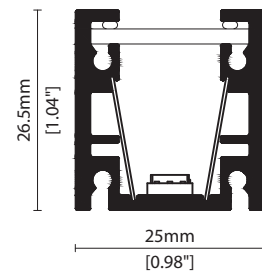


Key applications

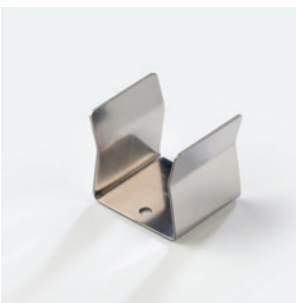
- ✓ Bathrooms
- ✓ Building façades
- ✓ Interior/Exterior
- ✓ Mirror back lighting
- ✓ Orientation lighting
- ✓ Public spaces
- ✓ Special effect
- ✓ Under bench
- ✓ Wall grazing
- ✓ Window Reveal

Key features

- ✓ Custom lengths
- ✓ Diffusion: Homogenous
- ✓ Direct view
- ✓ Form factor: Medium
- ✓ IP54
- ✓ IP67
- ✓ RGB



MOUNTING METHODS



KKCP-03 Clip



KKCP-09 Lock clip



KKBK-07 Fixing plate



KKBK-21 Adjustable bracket

Linear

MoMo RGB

Specification sheet



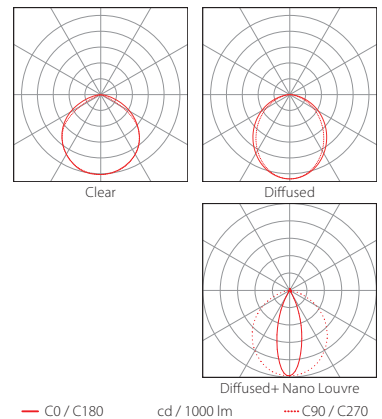
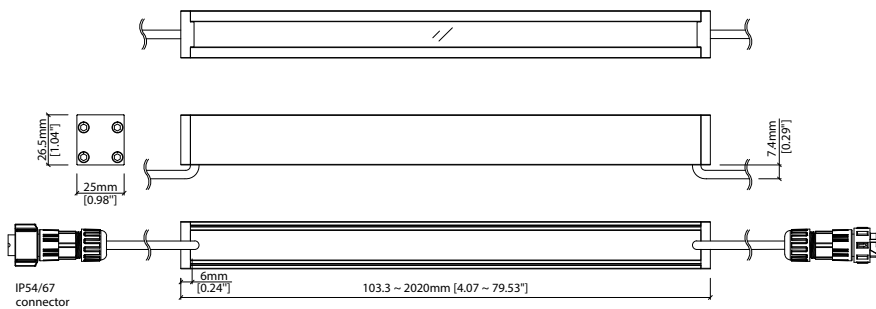
Dimension	H26.5/W25/L103.3-2020mm* (H1.04/W0.98/L4.07-79.53in*) *Nano Louvre = 1020mm/40.16in Max
PCB increment	83.3mm increment/2000mm* (3.28in increment/78.74in*) *Nano Louvre = 1000mm/39.37in Max
LED pitch	13.9mm - 72LED/m (0.55in - 22LED/ft)
Chip	Red TEKCORE/Green EPILEDS/Blue 3E
Beam angle	100° (Clear)/14° (Clear+KKLN-01 Lens)/23° (Clear+KKLN-03 Lens)/95° (Diffused)/35° (Diffused+Nano Louvre)
Colours	Red 620-625nm/Blue 455-460nm/Green 520-525nm
Bin/Step	5nm tolerance
CRI	N/A
Lifetime	50,000 hours @ 25°C (50,000 hours @ 77°F)
Operating temp	T _a = -20 to 60°C (T _C max = 70°C) T _a = -4 to 140°F (T _C max = 158°F)
IP rating	IP54/IP67
Finish	Silver anodised
Cover/lens	Clear/Clear + 14° lens option (KKLN-01)/Clear + 23° lens option (KKLN-03)/Diffused/Diffused + Nano Louvre
Mounting	Surface mounting via clips or brackets
Power feed	Sheathed hardwire tails or male/female connectors
Control	DMX/DALI



PERFORMANCE DATA

Power Consumption	Supply voltage	Supply current
15.6W/m (4.75W/ft)	24V DC	0.65A/m (0.20A/ft)

Clear	Clear + 14° (KKLN-01)	Clear + 23° (KKLN-03)	Diffused	Diffused + Nano Louvre
Red: 124lm/m (38lm/ft) Green: 252lm/m (77lm/ft) Blue: 41lm/m (12lm/ft) RGB: 398lm/m (121lm/ft)	Red: 58lm/m (18lm/ft) Green: 125lm/m (38lm/ft) Blue: 21lm/m (6lm/ft) RGB: 180lm/m (55lm/ft)	Red: 60lm/m (18lm/ft) Green: 129lm/m (39lm/ft) Blue: 24lm/m (7lm/ft) RGB: 185lm/m (56lm/ft)	Red: 65lm/m (20lm/ft) Green: 140lm/m (43lm/ft) Blue: 23lm/m (7lm/ft) RGB: 203lm/m (62lm/ft)	Red: 16lm/m (5lm/ft) Green: 35lm/m (11lm/ft) Blue: 6lm/m (2lm/ft) RGB: 51lm/m (16lm/ft)



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

See KKDC website for product document updates.

www.kkdc.lighting

MoMoRGBS-02.08EN-20220823

FIXTURE

Model	Finish	Cover/Lens ¹	Grade	LED	Colour (CCT)	Length Availability ²	IP	Cable Length	Power Feed ³	Input					
MoMo	MM	Silver Anodised	SA	Clear	B	m 103.3-2020mm 83.3mm increments i 4.07-79.53in 3.28in increments (Specify length code OR total run length)	IP54	54	300mm/11.81"	0300	Single ø4.3mm sheath tail	S00A	DC 24V	g	
				Clear + 14° (KKLN-01)	P			IP67 ⁶	67			Double ø4.3mm sheath tail	D00A		
				Clear + 23° (KKLN-03)	A							Single ø4.3mm sheath IP67 connector ⁷	S67A		
				Diffused	C							Double ø4.3mm sheath IP67 connector ⁷	D67A		
				Diffused + Nano Louvre ⁴	CN										

¹ Refer to **Cover/Lens Options** on **Options** pages

² Refer to **Length Availability List** or enter total run length instead of length code

³ Refer to **Power Feed Options** on **Options** pages

⁴ Max length available with Nano Louvre is 1020mm

⁵ Due to the clear, flush potted polyurethane top layer on IP67 MoMo a colour shift of +/-20K should be expected

⁶ IP67 connectors are used for both IP67 and IP54 product housings

Code Example:

MM	-	SA	-	C	-	s	-	501	-	RGB	-	m	520	-	67	-	0300	-	D67A	-	g
MoMo		Silver Anodised		Diffused				501		RGB		519.8mm		IP67		300mm/11.81"		Double ø4.3mm sheath IP67 connector		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

CN67-4P-0300	IP67 4 PIN RGB male & female 300mm/11.81" pair
CN67-4P-1000	IP67 4 PIN RGB male & female 1000mm/39.37" pair
CN67-4P-3000	IP67 4 PIN RGB 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	Output	LED	Lumen/m	Lumen/ft	W/m	W/ft	Spec Doc	Length	Increment
Single CCT	Low	352	420	127	5.5	1.67	MoMo 352	103.3-2020mm/4.07-79.53in	83.3mm/3.28in
	Mid	504	990	302	12.5	3.81	MoMo 504	120-2020mm/4.72-79.53in	100mm/3.94in
	High	508	1370	418	17.5	5.33	MoMo 508	91.4-2020mm/3.60-79.53in	71.4mm/2.81in
	Max	512	2370	720	30.2	9.2	MoMo 512	91.4-2020mm/3.60-79.53in	71.4mm/2.81in
	Max	040	3960	1207	40	12.19	MoMo A040	97-1520mm (3.82-59.84in)	38.46mm (1.51in)
Warm Dim/Dynamic White	Mid	207	720	219	11	3.35	MoMo 207	103.3-2020mm/4.07-79.53in	83.3mm/3.28in
	Mid	208	1210	409	15.6	4.75	MoMo 208	186.7-2020mm/7.35-79.53in	166.7mm/6.56in
RGB		501	Red 124 Green 252 Blue 41 RGB 398	Red 38 Green 77 Blue 12 RGB 121	15.6	4.75	MoMo RGB	103.3-2020mm/4.07-79.53in	83.3mm/3.28in

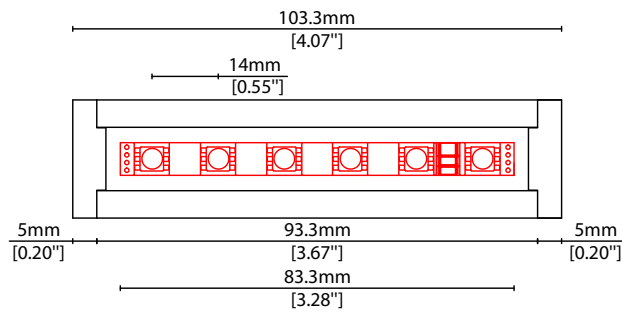
* Performance data: clear cover, RGB

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)		R	G	B	W
m0103	i0004	103mm	4.07in	83mm	3.28in	10mm	0.39in	1.30	10	21	3	33
m0187	i0007	187mm	7.35in	167mm	6.56in	10mm	0.39in	2.60	21	42	7	66
m0270	i0011	270mm	10.63in	250mm	9.84in	10mm	0.39in	3.90	31	63	10	100
m0353	i0014	353mm	13.91in	333mm	13.12in	10mm	0.39in	5.20	41	84	14	133
m0437	i0017	437mm	17.19in	417mm	16.41in	10mm	0.39in	6.50	52	105	17	166
m0520	i0020	520mm	20.47in	500mm	19.69in	10mm	0.39in	7.80	62	126	21	199
m0603	i0024	603mm	23.76in	583mm	22.97in	10mm	0.39in	9.10	72	147	24	232
m0687	i0027	687mm	27.04in	667mm	26.25in	10mm	0.39in	10.40	83	168	27	265
m0770	i0030	770mm	30.32in	750mm	29.53in	10mm	0.39in	11.70	93	189	31	299
m0853	i0034	853mm	33.60in	833mm	32.81in	10mm	0.39in	13.00	103	210	34	332
m0937	i0037	937mm	36.88in	917mm	36.09in	10mm	0.39in	14.30	114	231	38	365
m1020	i0040	1020mm	40.16in	1000mm	39.37in	10mm	0.39in	15.60	124	252	41	398
m1103	i0043	1103mm	43.44in	1083mm	42.65in	10mm	0.39in	16.90	134	273	44	431
m1187	i0047	1187mm	46.72in	1167mm	45.94in	10mm	0.39in	18.20	145	294	48	464
m1270	i0050	1270mm	50.00in	1250mm	49.22in	10mm	0.39in	19.50	155	315	51	498
m1353	i0053	1353mm	53.29in	1333mm	52.50in	10mm	0.39in	20.80	165	336	55	531
m1437	i0057	1437mm	56.57in	1417mm	55.78in	10mm	0.39in	22.10	176	357	58	564
m1520	i0060	1520mm	59.85in	1500mm	59.06in	10mm	0.39in	23.40	186	378	62	597
m1603	i0063	1603mm	63.13in	1583mm	62.34in	10mm	0.39in	24.70	196	399	65	630
m1687	i0066	1687mm	66.41in	1667mm	65.62in	10mm	0.39in	26.00	207	420	68	663
m1770	i0070	1770mm	69.69in	1750mm	68.90in	10mm	0.39in	27.30	217	441	72	697
m1853	i0073	1853mm	72.97in	1833mm	72.18in	10mm	0.39in	28.60	227	462	75	730
m1937	i0076	1937mm	76.25in	1917mm	75.47in	10mm	0.39in	29.90	238	483	79	763
m2020	i0080	2020mm	79.53in	2000mm	78.75in	10mm	0.39in	31.20	248	504	82	796

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

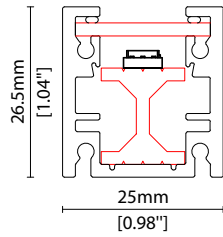
² Actual length of PCB strip

³ Actual length of 2x end caps

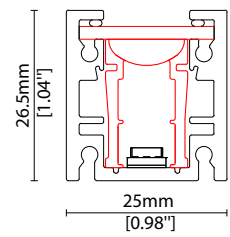
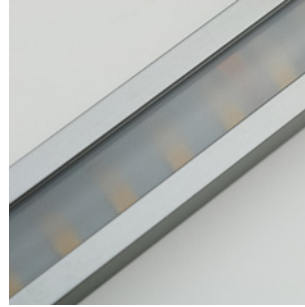


COVER/LENS OPTIONS

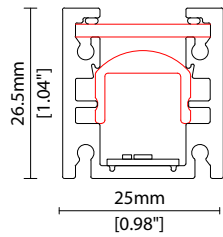
* Options are an integral part of the fixture ordering codes. Please refer to **Code Table** pages.



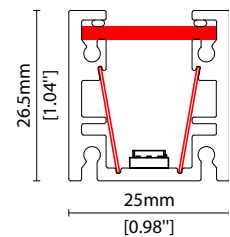
B Clear Cover



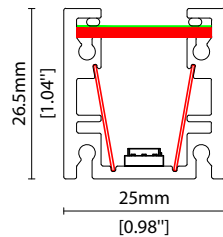
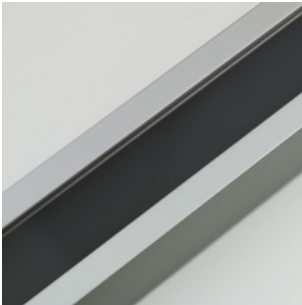
P Clear Cover +
14° (KKLN-01) lens



A Clear Cover +
23° (KKLN-03) lens



C Diffused Cover

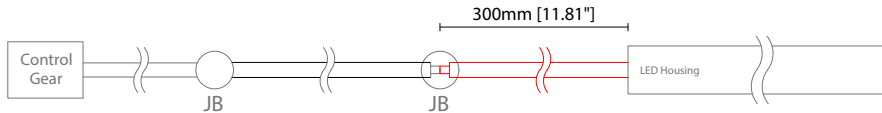


CN Diffused Cover + Nano Louvre

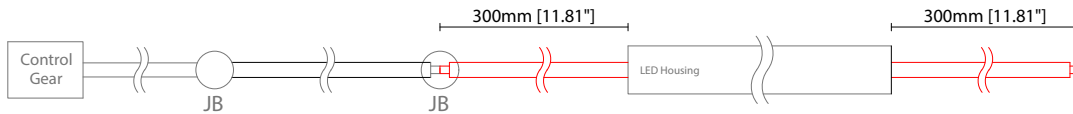
POWER FEED OPTIONS

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

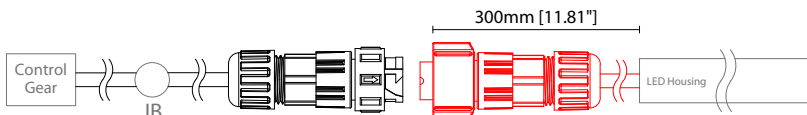
0300 S00A 300mm (11.81") Single Ø4.3mm sheath tail



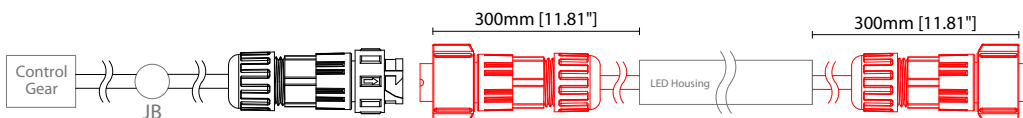
0300 D00A 300mm (11.81") Double Ø4.3mm sheath tail



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

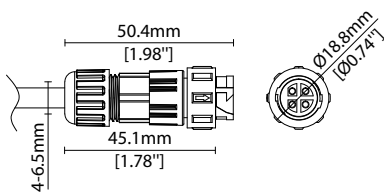


0300 D67A 300mm (11.81") Double ø4.3mm sheath IP67 connector

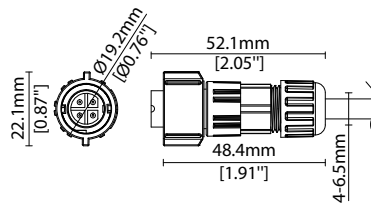


IP67 4 Pin Connector

Female connector
4 PIN (IP67)



Male connector
4 PIN (IP67)



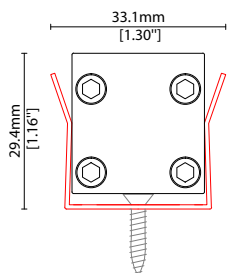
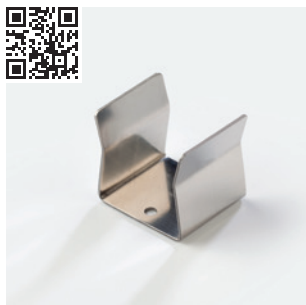
Key

Control Gear Power supply, sub-controllers & control systems

JB Junction box / cable connection

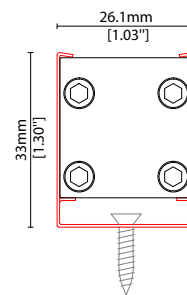
MOUNTING ACCESSORIES

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

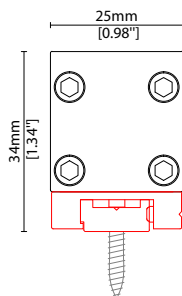


KKCP-03 (1no.)
KKCP-53 (500no.)

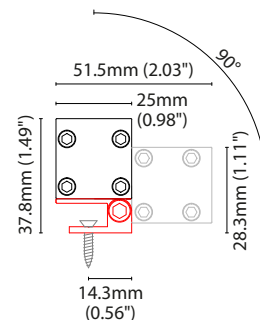
Clip (allow 3 per metre/40in)
S/Steel finish
L25/W33.1/H29.4mm
(L0.98/W1.3/H1.16")



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

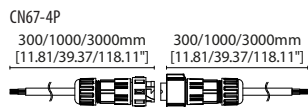


KKBK-07
Fixing plate (allow 2 per metre/40in)
Anodised aluminium finish
L50/W25/H34mm
(L1.97/W0.98/H1.34")
Pre-assembled in factory



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



CN67-4P-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