

Linear

TIMI-M R014

Fixture Guide

KKDÖ

Indoor | Surface | Output up to 1380lm/m (421lm/ft)

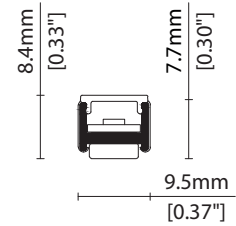


Key applications

- ✓ Architectural detail
- ✓ Backlighting & signage
- ✓ Cabinet & furniture
- ✓ Cove lighting
- ✓ Display case
- ✓ Indirect lighting
- ✓ Interior
- ✓ Mirror back lighting
- ✓ Retail display
- ✓ Shelving display

Key features

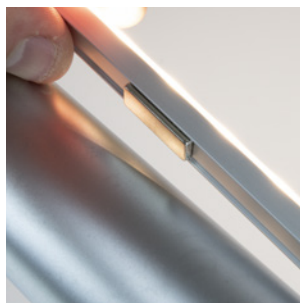
- ✓ Custom lengths
- ✓ Cutable (IP20)
- ✓ Constant Voltage (CV)
- ✓ Diffusion: homogenous
- ✓ Extensive CCT range
- ✓ IP20 dry area
- ✓ Lens options



MOUNTING METHODS



KKBK-20 Steel plate



Direct attachment

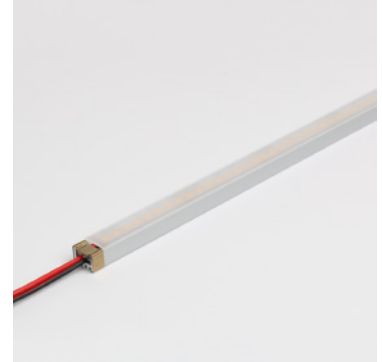
Linear

TIMI-M R014

Specification sheet



Dimensions	H7.7/W9.5/L97-2014mm (H0.3/W0.37/L3.81-79.29in) (Double tail) H7.7/W9.5/L90-2007mm (H0.3/W0.37/L3.54-79.01in) (Single tail)
PCB Cut-point	41.7mm increment/2000mm max (1.64in increment/78.74in max)
LED Pitch	6.95mm-144LED/m (0.27in - 44LED/ft)
Chip	s-line k-line
Cover/Optics	No cover (120°) / Semi-diffused (100°) / Black (90°) / KKLN-01D lens (14°)
CCT	s-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
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 45°C (T _c max = 78.6°C) T _a = -13 to 113°F (T _c max = 173°F)
IP Rating	IP20
Finish	Silver anodised
Mounting	Surface mounting via magnet
Power feed	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

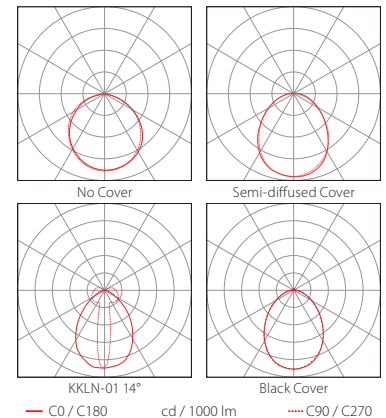
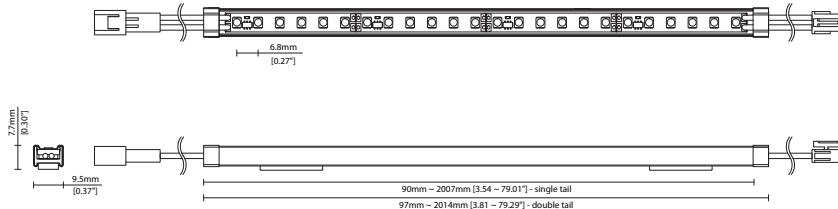
k k-line	3-step commercial range Energy Star CCTs
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Power consumption	Supply voltage	Supply current
14W/m (4.27W/ft)	24V DC	0.58A/m (0.18A/ft)

Performance Data (3000K)

	R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14
k-line	92	96	97	90	91	94	91	82	62	91	90	74	94	98

	No Cover	Semi-diffused	14° (KKLN-01)	Black cover	CRI	R9	Rf	Rg
s-line	1380lm/m (421lm/ft) 99lm/W	1158lm/m (353lm/ft) 83lm/W	1220lm/m (372lm/ft) 87lm/W	490lm/m (149lm/ft) 35lm/W	93	63	-	-
k-line	1307lm/m (398lm/ft) 93lm/W	1092lm/m (333lm/ft) 78lm/W	1151lm/m (351lm/ft) 82.2lm/W	462lm/m (141lm/ft) 33lm/w	92	62	-	-



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																																																		
TIMI-M	IM	Silver Anodised	SA	No cover ⁵	X	s	R014	R014	1900K	19	m	97-2014mm ⁶ 90-2007mm ⁷ 41.7mm increments	IP20	20	50mm (1.97in)	0050	Single no sheath tail	S00X	DC 24V																																									
																				D	k	2100K	21	i	3.81-79.29in ⁶ 3.54-79.01in ⁷ 1.64in increments	300mm (11.81in)	0300	Double no sheath tail	D00X																															
																														S	2300K	23	2500K	25	Single no sheath IP20 connector	S20X																								
																																					Y	2700K	27	3000K	30	Double no sheath IP20 connector	D20X																	
																																												3500K	35	4000K	40	5000K	50											
																																																		RED	RED	s-only								
																																																					GREEN	GRN						
																																																							BLUE	BLU				
																																																									ORANGE	ORN		
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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 Operating temperatures vary for TIMI-M with cover and TIMI-M without cover; please check with a KKDC engineer if operating temperature is limiting product application

⁶ Double clamp TIMI-M length

⁷ Single clamp TIMI-M length

Code Example:

IM	-	SA	-	D	-	s	-	R014	-	35	-	m	-	514	-	20	-	0050	-	D20X	-	g
TIMI-M		Silver Anodised		Semi-diffused		s		R014		3500K		514mm		IP20		50mm (1.97in)		Double no sheath IP20 connector		DC 24V		

ACCESSORIES

Mounting Accessories

KKBK-20	Steel plate
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* Refer to **Mounting accessories** on **Accessories** pages

Connection Accessories

KKCN-01	2 PIN male & female 50mm (1.97in) pair
KKCN-03	2 PIN male & female 300mm (11.81in) pair
KKCN-06	2 PIN 300mm (11.81in) extension lead

* Refer to **Power feed** 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	690	210	7	2.13	TIMI-M R007	97-2014mm (3.81-79.29in)	41.7mm (1.64in)
	R014	1380	421	14	4.27	TIMI-M R014	97-2014mm (3.81-79.29in)	41.7mm (1.64in)
Warm Dim/Dynamic White	A010	1400	426	10	3.05	TIMI-M A010	91-2014mm (3.58-79.29in)	38.46mm (1.51in)
	A020	2800	853	20	6.10	TIMI-M A020	91-2014mm (3.58-79.29in)	38.46mm (1.51in)
RGB	R207	690	210	16	4.88	TIMI-M R207	97-2014mm (3.81-79.29in)	83.3mm (3.28in)
	501	Red 150 Green 320 Blue 50 RGB 460	Red 46 Green 98 Blue 15 RGB 140	16	4.88	TIMI-M RGB	97-2014mm (3.81-79.29in)	83.3mm (3.28in)

* Performance data: A/s/k-line, no cover, 3000K

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Length Availability List



Length Code		Fixture Length ¹		LED Strip ²		End Cap Dimension		Wattage (W)	Output (lm)
Metric	Imperial(US)	Metric	Imperial(US)	Metric	Imperial(US)	Metric	Imperial(US)		3000K (Test Data)
m0097	i0004	97mm	3.83in	83mm	3.28in	N/A	N/A	1.17	109
m0139	i0005	139mm	5.47in	125mm	4.92in	N/A	N/A	1.75	163
m0181	i0007	181mm	7.11in	167mm	6.56in	N/A	N/A	2.33	217
m0222	i0009	222mm	8.75in	208mm	8.20in	N/A	N/A	2.92	271
m0264	i0010	264mm	10.39in	250mm	9.84in	N/A	N/A	3.50	325
m0306	i0012	306mm	12.03in	292mm	11.48in	N/A	N/A	4.08	380
m0347	i0014	347mm	13.67in	333mm	13.12in	N/A	N/A	4.67	434
m0389	i0015	389mm	15.31in	375mm	14.76in	N/A	N/A	5.25	488
m0431	i0017	431mm	16.96in	417mm	16.40in	N/A	N/A	5.83	542
m0472	i0019	472mm	18.60in	458mm	18.04in	N/A	N/A	6.42	597
m0514	i0020	514mm	20.24in	500mm	19.69in	N/A	N/A	7.00	651
m0556	i0022	556mm	21.88in	542mm	21.33in	N/A	N/A	7.58	705
m0597	i0024	597mm	23.52in	583mm	22.97in	N/A	N/A	8.17	759
m0639	i0025	639mm	25.16in	625mm	24.61in	N/A	N/A	8.75	814
m0681	i0027	681mm	26.80in	667mm	26.25in	N/A	N/A	9.33	868
m0722	i0028	722mm	28.44in	708mm	27.89in	N/A	N/A	9.92	922
m0764	i0030	764mm	30.08in	750mm	29.53in	N/A	N/A	10.50	976
m0806	i0032	806mm	31.72in	792mm	31.17in	N/A	N/A	11.08	1031
m0847	i0033	847mm	33.36in	833mm	32.81in	N/A	N/A	11.67	1085
m0889	i0035	889mm	35.00in	875mm	34.45in	N/A	N/A	12.25	1139
m0931	i0037	931mm	36.64in	917mm	36.09in	N/A	N/A	12.83	1193
m0972	i0038	972mm	38.28in	958mm	37.73in	N/A	N/A	13.42	1248
m1014	i0040	1014mm	39.92in	1000mm	39.37in	N/A	N/A	14.00	1302
m1056	i0042	1056mm	41.56in	1042mm	41.01in	N/A	N/A	14.58	1356
m1097	i0043	1097mm	43.20in	1083mm	42.65in	N/A	N/A	15.17	1410
m1139	i0045	1139mm	44.84in	1125mm	44.29in	N/A	N/A	15.75	1465
m1181	i0046	1181mm	46.48in	1167mm	45.93in	N/A	N/A	16.33	1519
m1222	i0048	1222mm	48.12in	1208mm	47.57in	N/A	N/A	16.92	1573
m1264	i0050	1264mm	49.76in	1250mm	49.21in	N/A	N/A	17.50	1627
m1306	i0051	1306mm	51.40in	1292mm	50.85in	N/A	N/A	18.08	1682
m1347	i0053	1347mm	53.04in	1333mm	52.49in	N/A	N/A	18.67	1736
m1389	i0055	1389mm	54.69in	1375mm	54.13in	N/A	N/A	19.25	1790
m1431	i0056	1431mm	56.33in	1417mm	55.77in	N/A	N/A	19.83	1844
m1472	i0058	1472mm	57.97in	1458mm	57.41in	N/A	N/A	20.42	1899
m1514	i0060	1514mm	59.61in	1500mm	59.06in	N/A	N/A	21.00	1953
m1556	i0061	1556mm	61.25in	1542mm	60.70in	N/A	N/A	21.58	2007
m1597	i0063	1597mm	62.89in	1583mm	62.34in	N/A	N/A	22.17	2061
m1639	i0065	1639mm	64.53in	1625mm	63.98in	N/A	N/A	22.75	2116
m1681	i0066	1681mm	66.17in	1667mm	65.62in	N/A	N/A	23.33	2170
m1722	i0068	1722mm	67.81in	1708mm	67.26in	N/A	N/A	23.92	2224
m1764	i0069	1764mm	69.45in	1750mm	68.90in	N/A	N/A	24.50	2278

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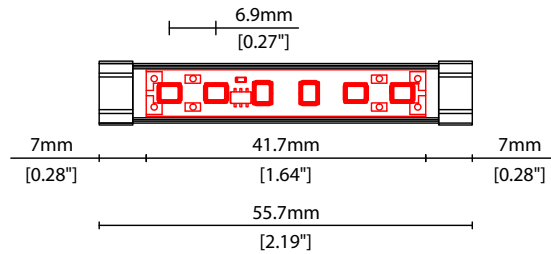
Length Availability List



Length Code		Fixture Length ¹		LED Strip ²		End Cap Dimension		Wattage (W)	Output (lm) 3000K (Test Data)
Metric	Imperial(US)	Metric	Imperial(US)	Metric	Imperial(US)	Metric	Imperial(US)		
m1806	i0071	1806mm	71.09in	1792mm	70.54in	N/A	N/A	25.08	2333
m1847	i0073	1847mm	72.73in	1833mm	72.18in	N/A	N/A	25.67	2387
m1889	i0074	1889mm	74.37in	1875mm	73.82in	N/A	N/A	26.25	2441
m1931	i0076	1931mm	76.01in	1917mm	75.46in	N/A	N/A	26.83	2495
m1972	i0078	1972mm	77.65in	1958mm	77.10in	N/A	N/A	27.42	2550
m2014	i0079	2014mm	79.29in	2000mm	78.74in	N/A	N/A	28.00	2604

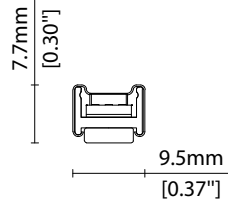
¹ Actual total overall length of light fixture (LED strip + end caps + void/wire hole)

² Actual length of PCB strip

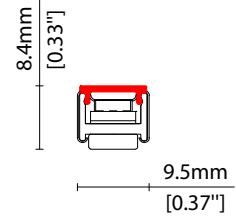


COVER/LENS OPTIONS

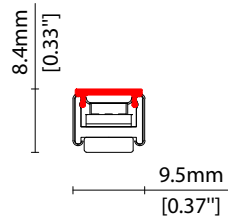
* Options are an integral part of the fixture ordering codes. Please refer to **Code Table** pages.



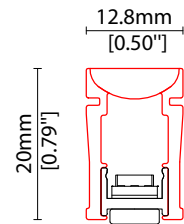
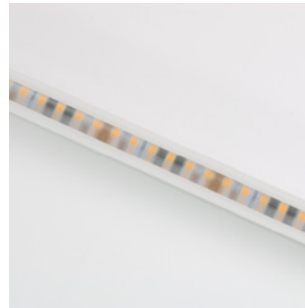
X No cover
W9.5/H7.7mm (W0.37"/H0.30")



D Semi-diffused cover
Polycarbonate finish
W9.5/H8.4mm (W0.37"/H0.33")



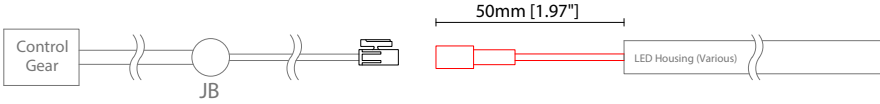
Y Black semi-diffused cover
Black translucent PMMA
25% light output
W9.5/H8.4mm (W0.37"/H0.33")



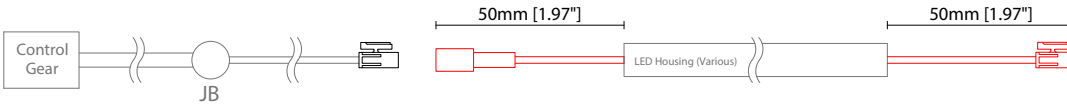
S 14° lens (KKLN-01D)
14° beam linear lens,
co-extruded PMMA
W12.8/H20mm (W0.50"/H0.79")

POWER FEED OPTIONS

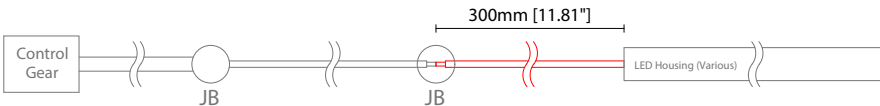
0050 S20X 50mm (1.97") Single no sheath IP20 connector



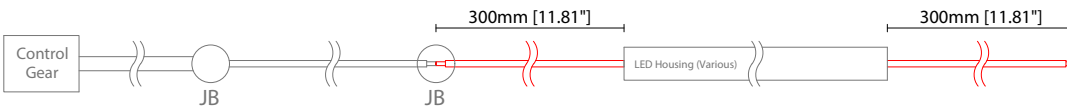
0050 D20X 50mm (1.97") Double no sheath IP20 connector



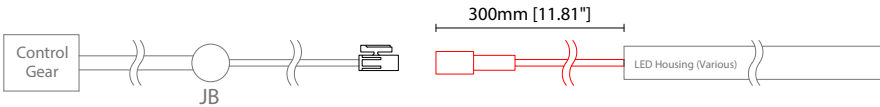
0300 S00X 300mm (11.81") Single no sheath tail



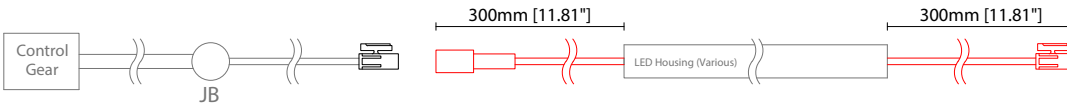
0300 D00X 300mm (11.81") Double no sheath tail



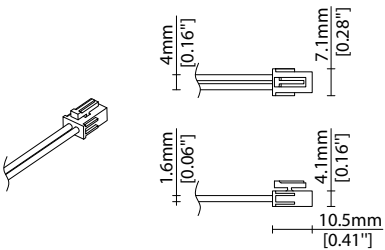
0300 S20X 300mm (11.81") Single no sheath IP20 connector



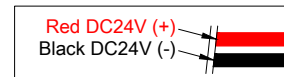
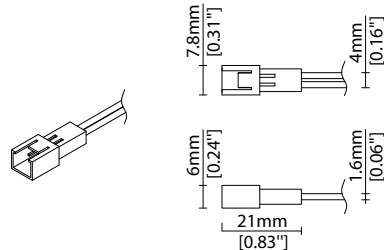
0300 D20X 300mm (11.81") Double no sheath IP20 connector



2 Pin Female Connector



2 Pin Male Connector

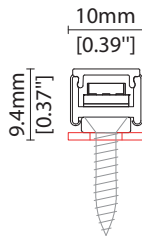


Key

- 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.

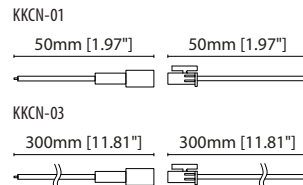
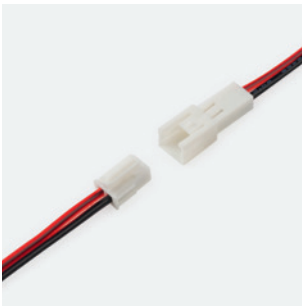


KKBK-20

Steel plate (allow 4 per metre/40")
Steel finish

L40/W10/H9.4mm
(L1.58/W0.39/H0.37")

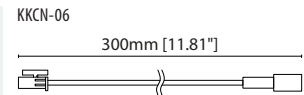
POWER FEED



KKCN-01 50mm (1.97in) pair

KKCN-03 300mm (11.81in) pair

2 PIN male + female connector set



KKCN-06

2 PIN 300mm (11.81in) extension
lead

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)

Linear

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Accessories

KKDC

KKDC CONTROL (CONTINUED)



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)

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