

Linear

# LINI-S XL RGB Fixture Guide

# KKDÖ

Indoor | Surface | RGB Output

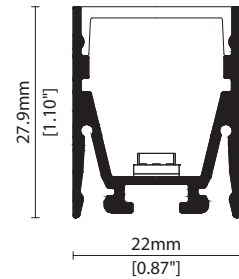


## Key applications

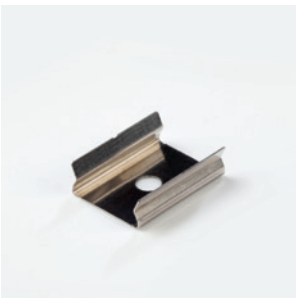
- ✓ Architectural detail
- ✓ Cove lighting
- ✓ Direct lighting
- ✓ Interior
- ✓ Mirror back lighting
- ✓ Retail display
- ✓ Shelving display
- ✓ Special effect

## Key features

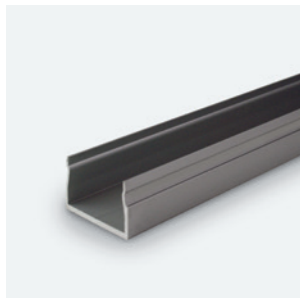
- ✓ Custom lengths
- ✓ Constant Voltage (CV)
- ✓ Diffusion: homogenous
- ✓ Direct view
- ✓ IP40 dry area
- ✓ RGB



## MOUNTING METHODS



KKCP-11 Concealed clip



KKCR-01-1000 Cable raceway (1000mm)  
KKCR-01-2000 Cable raceway (2000mm)  
KKCR-01-3000 Cable raceway (3000mm)



KKJT-02 Joining bar

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# LINE-S XL RGB

## Specification sheet



<b>Dimensions</b>	H28/W22/L94-2011mm (H1.1/W0.87/L3.70-79.17in)
<b>PCB Cut-point</b>	83.3mm increment/2000mm max (3.28in increment/78.74in max)
<b>LED Pitch</b>	13.9mm-72LED/m (0.55in - 22LED/ft)
<b>Chip</b>	RGB
<b>Cover/Optics</b>	Clear (50°)/Diffused (120°)
<b>CCT</b>	Red 620-625nm/Blue 455-460nm/Green 520-525nm
<b>LED binning</b>	5nm tolerance
<b>CRI</b>	N/A
<b>Lifetime</b>	50,000 hours @ 25°C (50,000 hours @ 77°F)
<b>Operating temp</b>	T <sub>a</sub> = -25 to 50°C (T <sub>c</sub> max = 76°C) T <sub>a</sub> = -13 to 122°F (T <sub>c</sub> max = 168.8°F)
<b>IP Rating</b>	IP40
<b>Finish</b>	Silver anodised
<b>Mounting</b>	Surface mounting via concealed clips
<b>Power feed</b>	Hardwire tails or male/female connectors
<b>Control</b>	DMX/DALI



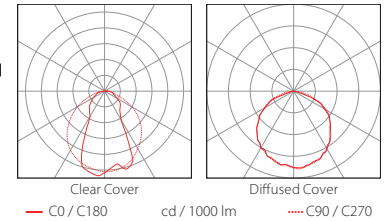
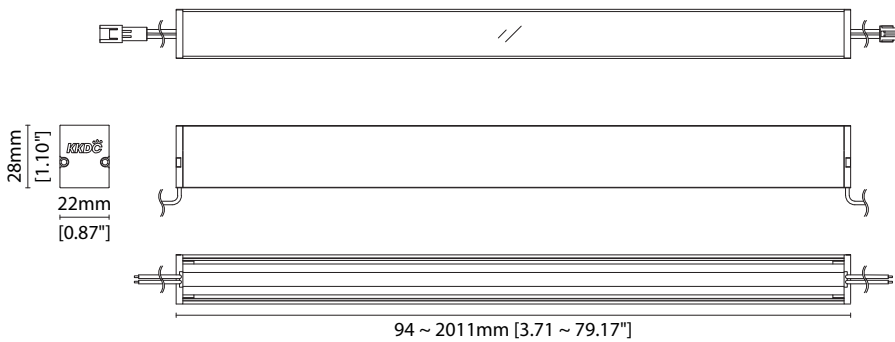
Power consumption	Supply voltage	Supply current
15.6W/m (4.75W/ft)	24V DC	0.65A/m (0.20A/ft)

### Clear Cover

Red: 85lm/m (26lm/ft)  
Green: 184lm/m (56lm/ft)  
Blue: 30lm/m (9lm/ft)  
RGB: 267lm/m (81lm/ft)

### Diffused Cover

Red: 61lm/m (19lm/ft)  
Green: 131lm/m (40lm/ft)  
Blue: 22lm/m (7lm/ft)  
RGB: 189lm/m (58lm/ft)



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

See KKDC website for product document updates.

[www.kkdc.lighting](http://www.kkdc.lighting)

LINISXLRGBS-03.04EN-20240514

Linear

# LINE-S XL RGB

## Code Table

# KKDC

### FIXTURE

Model	Finish	Cover <sup>1</sup>	Grade	LED	Colour (CCT)	Length Availability <sup>2</sup>	IP	Cable Length	Power Feed <sup>3</sup>	Input	
LINE-S XL	SX	Silver Anodised	SA	Clear	B	94.3-2011mm 83.3mm increments	IP40	300mm/11.81" 0300	Single no sheath tail	S00X	DC 24V
		Diffused	C	s	501	3.71-79.17in 3.28in increments	40	1000mm/39.37" 1000	Double no sheath tail	D00X	
						(Specify length code OR total run length)			Single no sheath IP20 connector	S20X	
									Double no sheath IP20 connector	D20X	

<sup>1</sup> Refer to **Cover/Lens Options** on **Options** pages<sup>2</sup> Refer to **Length Availability List** or enter total run length instead of length code<sup>3</sup> Refer to **Power Feed Options** on **Options** pages

### Code Example:

SX	-	SA	-	C	-	s	-	501	-	RGB	-	m	511	-	40	-	0300	-	D00X	-	g
LINE-S XL		Silver Anodised		Diffused				501		RGB		510.8mm		IP40		300mm/11.81"		Double no sheath tail		DC 24V	

### ACCESSORIES

#### Mounting Accessories

KKCP-11	Concealed Clip
KKCR-01-1000	1000mm/39.37" Cable Raceway
KKCR-01-2000	2000mm/78.74" Cable Raceway
KKCR-01-3000	3000mm/118.11" Cable Raceway
KKJT-02	Joining Bar

\* Refer to **Mounting accessories** on **Accessories** pages

#### Connection Accessories

KKCN-07	4 PIN RGB male & female 50mm/1.97" pair
KKCN-09	4 PIN RGB male & female 300mm/11.81" pair
KKCN-11	4 PIN RGB 300mm/11.81" extension lead

\* Refer to **Power feed** 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	LED	Lumen/m	Lumen/ft	W/m	W/ft	Spec Doc	Length	Increment
Single CCT	R007	423	129	7	2.13	LINE-S XL R007	94-2011mm/3.71-79.17in	41.7mm/1.64in
	R014	772	235	14	4.27	LINE-S XL R014	94-2011mm/3.71-79.17in	41.7mm/1.64in
	R020	1230	375	20	6.10	LINE-S XL R020	94-2011mm/3.71-79.17in	41.7mm/1.64in
	A040	3080	939	40	12.19	LINE-S XL A040	88.0-1511mm/3.46-59.49in	38.46mm/1.51in
Warm Dim/Dynamic White	R207	423	129	16	4.88	LINE-S XL R207	94-2011mm/3.71-79.17in	41.7mm/1.64in
RGB	501	Red 85 Green 184 Blue 30 RGB 267	Red 26 Green 56 Blue 9 RGB 81	15.6	4.75	LINE-S XL RGB	94-2011mm/3.71-79.17in	41.7mm/1.64in
RGBW	R201	727	222	20	6.10	LINE-S XL RGBW	136-2011mm/5.35-79.17in	62.5mm/2.46in

\* Performance data: clear cover, RGB

# LINE-S XL RGB

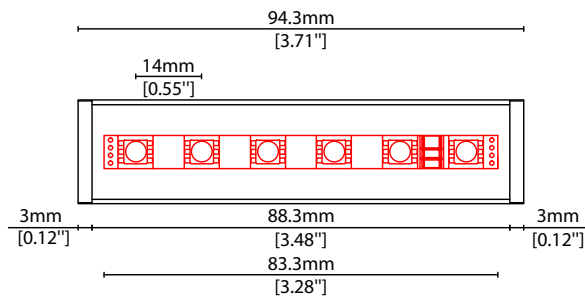
## Length Availability List

Length Code		Fixture Length <sup>1</sup>		LED Strip <sup>2</sup>		End Cap Dimension <sup>3</sup>		Wattage (W)	Output (lm)			
Metric	Imperial(US)	Metric	Imperial(US)	Metric	Imperial(US)	Metric	Imperial(US)		R	G	B	W
m0094	i0004	94mm	3.71in	83mm	3.28in	6mm	0.24in	1.30	7	17	3	24
m0178	i0007	178mm	7.00in	167mm	6.56in	6mm	0.24in	2.60	13	33	5	49
m0261	i0010	261mm	10.28in	250mm	9.84in	6mm	0.24in	3.90	20	50	8	73
m0344	i0014	344mm	13.56in	333mm	13.12in	6mm	0.24in	5.20	26	66	10	97
m0428	i0017	428mm	16.84in	417mm	16.41in	6mm	0.24in	6.50	33	83	13	121
m0511	i0020	511mm	20.12in	500mm	19.69in	6mm	0.24in	7.80	39	99	15	146
m0594	i0023	594mm	23.40in	583mm	22.97in	6mm	0.24in	9.10	46	116	18	170
m0678	i0027	678mm	26.68in	667mm	26.25in	6mm	0.24in	10.40	52	132	20	194
m0761	i0030	761mm	29.96in	750mm	29.53in	6mm	0.24in	11.70	59	149	23	218
m0844	i0033	844mm	33.24in	833mm	32.81in	6mm	0.24in	13.00	65	165	25	243
m0928	i0037	928mm	36.53in	917mm	36.09in	6mm	0.24in	14.30	72	182	28	267
m1011	i0040	1011mm	39.81in	1000mm	39.37in	6mm	0.24in	15.60	78	198	30	291
m1094	i0043	1094mm	43.09in	1083mm	42.65in	6mm	0.24in	16.90	85	215	33	315
m1178	i0046	1178mm	46.37in	1167mm	45.94in	6mm	0.24in	18.20	91	231	35	340
m1261	i0050	1261mm	49.65in	1250mm	49.22in	6mm	0.24in	19.50	98	248	38	364
m1344	i0053	1344mm	52.93in	1333mm	52.50in	6mm	0.24in	20.80	104	264	40	388
m1428	i0056	1428mm	56.21in	1417mm	55.78in	6mm	0.24in	22.10	111	281	43	412
m1511	i0059	1511mm	59.49in	1500mm	59.06in	6mm	0.24in	23.40	117	297	45	437
m1594	i0063	1594mm	62.77in	1583mm	62.34in	6mm	0.24in	24.70	124	314	48	461
m1678	i0066	1678mm	66.06in	1667mm	65.62in	6mm	0.24in	26.00	130	330	50	485
m1761	i0069	1761mm	69.34in	1750mm	68.90in	6mm	0.24in	27.30	137	347	53	509
m1844	i0073	1844mm	72.62in	1833mm	72.18in	6mm	0.24in	28.60	143	363	55	534
m1928	i0076	1928mm	75.90in	1917mm	75.47in	6mm	0.24in	29.90	150	380	58	558
m2011	i0079	2011mm	79.18in	2000mm	78.75in	6mm	0.24in	31.20	156	396	60	582

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

<sup>2</sup> Actual length of PCB strip

<sup>3</sup> Actual length of 2x end caps



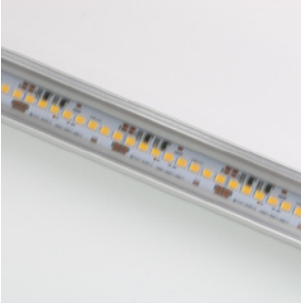
Linear

# LINI-S XL RGB Options

# KKDC

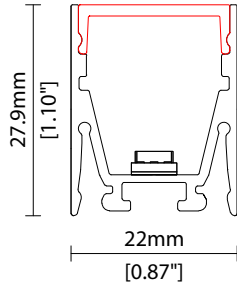
## COVER/LENS OPTIONS

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



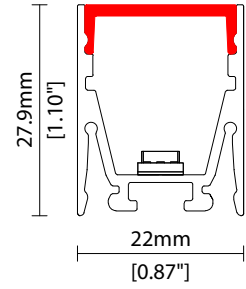
**B** Clear cover

W22/H27.9mm (W0.87/H1.10")



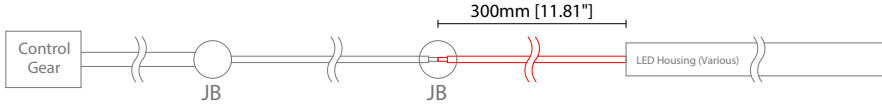
**C** Diffused cover

W22/H27.9mm (W0.87/H1.10")

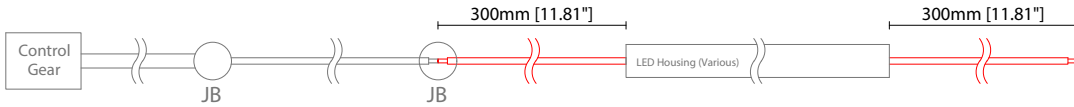


### POWER FEED OPTIONS

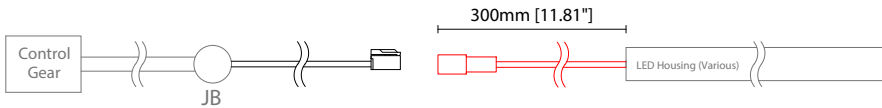
0300 S00X 300mm (11.81") Single no sheath tail



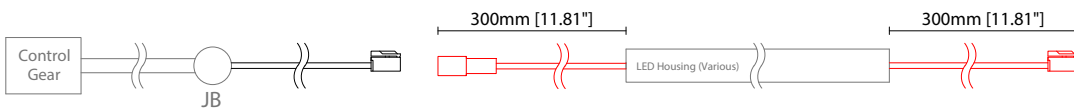
0300 D00X 300mm (11.81") Double no sheath tail



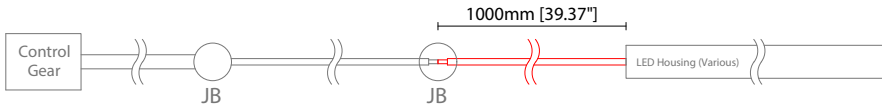
0300 S20X 300mm (11.81") Single no sheath IP20 connector



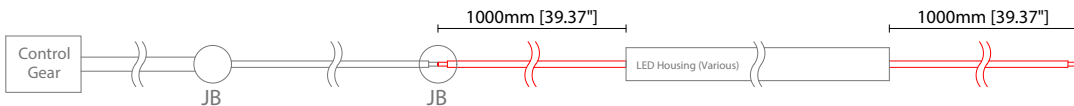
0300 D20X 300mm (11.81") Double no sheath IP20 connector



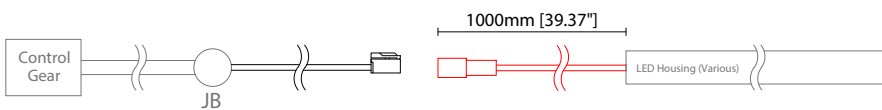
1000 S00X 1000mm (39.37") Single no sheath tail



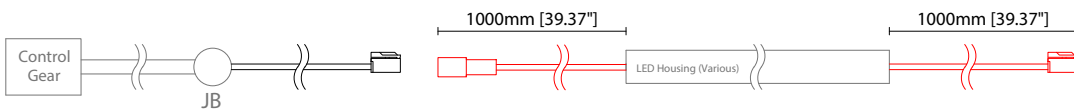
1000 D00X 1000mm (39.37") Double no sheath tail



1000 S20X 1000mm (39.37") Single no sheath IP20 connector



1000 D20X 1000mm (39.37") Double no sheath IP20 connector



#### Key

Control Gear Power supply, sub-controllers & control systems

JB Junction box / cable connection

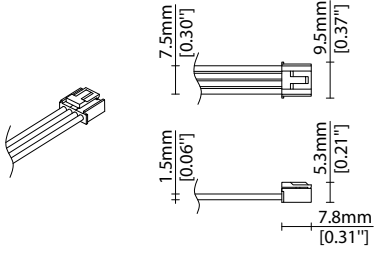
Linear

# LINI-S XL RGB Options

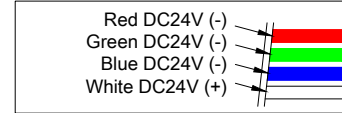
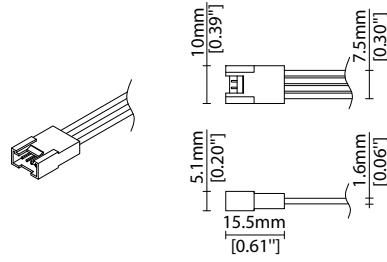


## POWER FEED OPTIONS (CONTINUED)

### 4 Pin RGB Female Connector



### 4 Pin RGB Male Connector

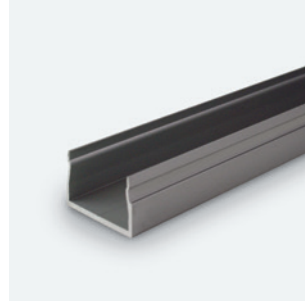
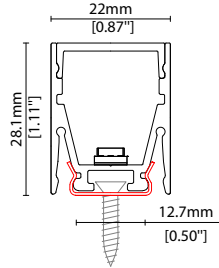


## MOUNTING ACCESSORIES

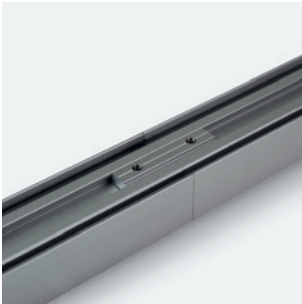
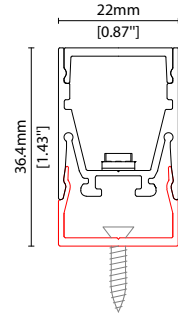
Note: Accessories are to be ordered separately with corresponding code shown below.



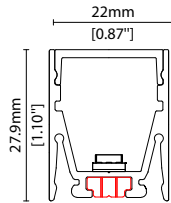
**KKCP-11**  
Concealed clip  
(allow 3 per metre/40in)  
S/Steel finish  
L20/W22/H28.1mm  
(L0.79/W0.87/H1.11")



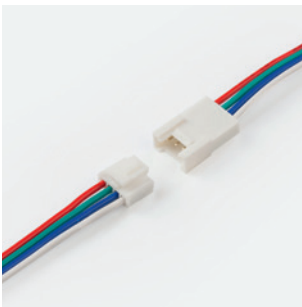
**KKCR-01-1000** 1000mm (39.37in)  
**KKCR-01-2000** 2000mm (78.74in)  
**KKCR-01-3000** 3000mm (118.11in)  
Cable raceway\*  
anodised aluminium finish  
W22/H36.4mm (W0.87/H1.43")  
\* Cut & drilled to fit on site



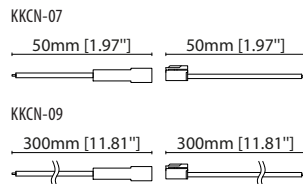
**KKJT-02**  
Joining bar\* (allow 1 per join)  
anodised aluminium finish  
L25mm (L0.98")  
\* Mounting option required with  
Joining bar



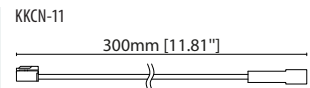
## POWER FEED



**KKCN-07** 50mm (1.97in) pair  
**KKCN-09** 300mm (11.81in) pair  
4 PIN RGB male + female  
connector set



**KKCN-11**  
4 PIN RGB 300mm (11.81in)  
extension lead





### KKDC CONTROL

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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)

### 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

<sup>1</sup> The items shown above cover the most frequently used specification but does not exhaust the possible options

<sup>2</sup> 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

<sup>3</sup> Electrical shop drawing will include detailed information of PSU and relevant control drivers

<sup>4</sup> Cut sheets are available on the controls section of [www.kkdc.lighting](http://www.kkdc.lighting) or upon request