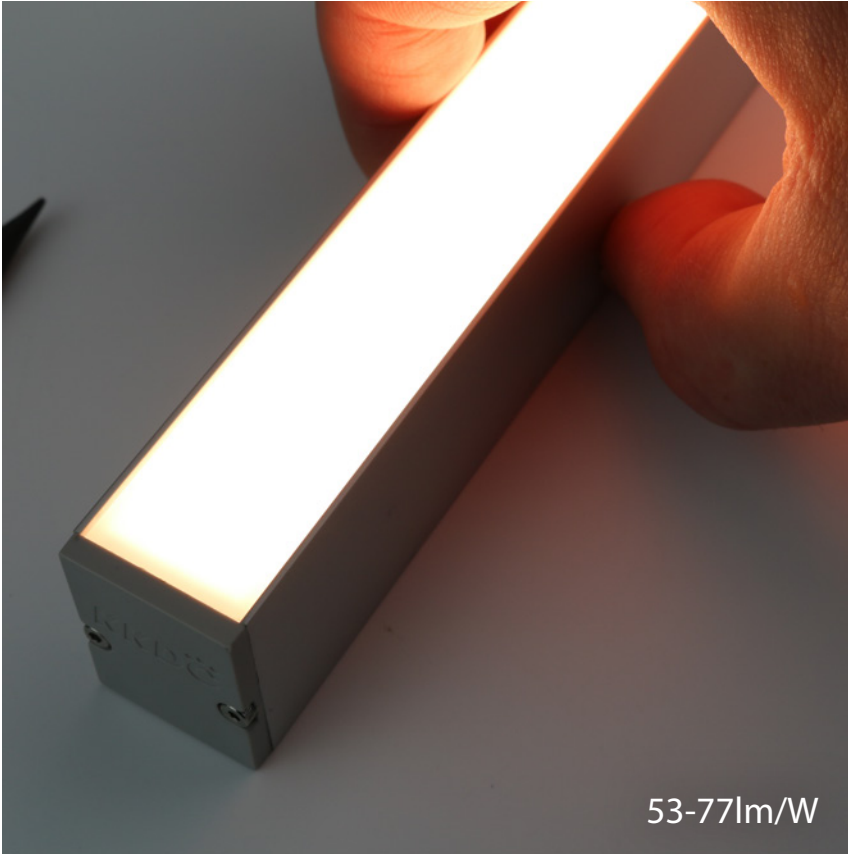


Linear

# LiNi-S XL A040 (40W) Fixture Guide

# KKDÖ

Indoor | Surface | High output up to 3080lm/m (939lm/ft)

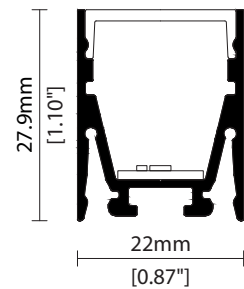


## Key applications

- ✓ Cove lighting
- ✓ Indirect lighting
- ✓ Interior
- ✓ Shelving display
- ✓ Special effect
- ✓ Under bench
- ✓ Under cabinet

## Key features

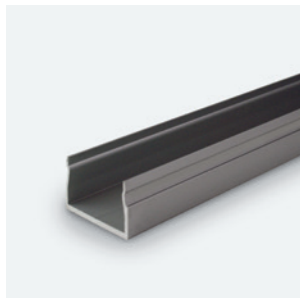
- ✓ Custom lengths
- ✓ Diffusion: Homogenous
- ✓ Direct view
- ✓ Form factor: Medium
- ✓ High lumen efficacy
- ✓ IP40
- ✓ Output high



## 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

Linear

# LiNi-S XL A040 (40W)

## Specification sheet



<b>Dimension</b>	H28/W22/L88-1511mm (H1.1/W0.87/L3.46-59.49in)
<b>PCB increment</b>	38.46mm increment/1500mm max (1.51in increment/59.06in max)
<b>LED pitch</b>	4.8mm - 208LED/m (0.19in - 64LED/ft)
<b>Chip</b>	<b>A-line</b>
<b>Beam angle</b>	50° (Clear Cover) / 120°(Diffused Cover)
<b>Colours</b>	<b>A-line</b> 2700K/3000K/4000K
<b>Bin/Step</b>	<b>A-line</b> 3-step MacAdam ellipse
<b>CRI</b>	94
<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 = 86°C) T <sub>a</sub> = -13 to 122°F (T <sub>c</sub> max = 187°F)
<b>IP rating</b>	IP40
<b>Finish</b>	Silver anodised
<b>Cover/lens</b>	Clear/Diffused
<b>Mounting</b>	Surface mounting via concealed clips
<b>Power feed</b>	Hardwire tails or male/female connectors
<b>Control</b>	0-10V/1-10V/DMX/DALI



### LED Grading Key

**Exclusive Grade** \*KKDC tuned CCT range

**A-line\*** 3-step CCT range

KKDC highest lumen efficacy LED

### PERFORMANCE DATA

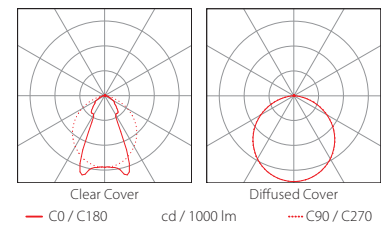
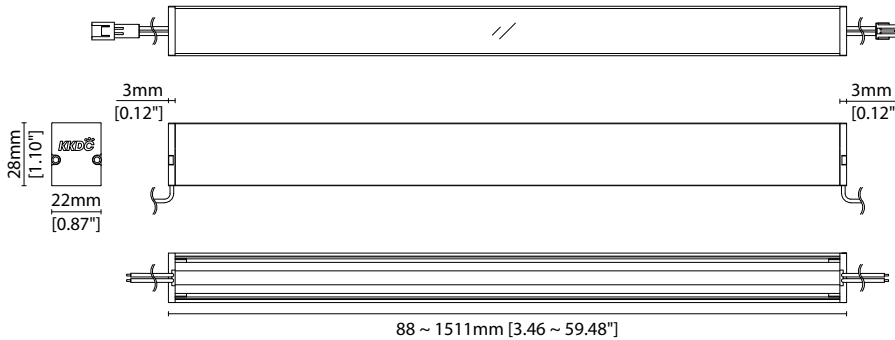
Power consumption	Supply voltage	Supply current
40W/m (12.19W/ft)	24V DC	1.67A/m (0.51A/ft)

### Colour Rendering Index (CRI)

	R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14
<b>A-line</b>	95	95	94	95	94	94	95	90	75	88	95	78	95	96

	Clear Cover	Diffused Cover	CRI	R9	Rf	Rg
<b>A-line</b>	3080lm/m (939lm/ft) 77lm/W	2120lm/m (646lm/ft) 53lm/W	94	75	-	-



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

Linear

# LiNi-S XL A040 (40W)

## Code Table



### FIXTURE

Model	Finish	Cover/Lens <sup>1</sup>	Grade <sup>2</sup>	LED	Colour (CCT)	Length Availability <sup>3</sup>	IP	Cable Length	Power Feed <sup>4</sup>	Input		
LiNi-S XL	SX	Silver Anodised SA	Clear B Diffused C	A	A	040	2700K 27 3000K 30 4000K 40	m 88-1511mm 38.46mm increments  i 3.46-59.49in 1.51in increments  (Specify length code OR total run length)	IP40 40	300mm/11.81" 0300 1000mm/39.37" 1000	Single no sheath tail S00X Double no sheath tail D00X Single no sheath IP20 connector S20X Double no sheath IP20 connector D20X	DC 24V g

<sup>1</sup> Refer to **Cover/Lens Options** on **Options** pages    <sup>2</sup> Refer to **LED Grading Key** on **Specification sheet** page    <sup>3</sup> Refer to **Length Availability List** or enter total run length instead of length code  
<sup>4</sup> Refer to **Power Feed Options** on **Options** pages

### Code Example:

SX	-	SA	-	C	-	A	-	040	-	30	-	m	511	-	40	-	0300	-	D00X	-	g
LiNi-S XL		Silver Anodised		Diffused		A		040		3000K		511mm		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

#### Connection Accessories

KKCN-01	2 PIN male & female 50mm/1.97" pair
KKCN-03	2 PIN male & female 300mm/11.81" pair
KKCN-06	2 PIN 300mm/11.81" 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

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

### 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	58.7	5.5	1.67	LiNi-S XL 352	94.3-2011mm/3.71-79.17in	83.3mm/3.28in
	Mid	504	720	219	12.5	3.81	LiNi-S XL 504	111-2011mm/4.37-79.17in	100mm/3.94in
	Mid	508	990	302	17.5	5.33	LiNi-S XL 508	82.4-2011mm/3.24-79.17in	71.4mm/2.81in
	High	040	3080	939	40	4.75	LiNi-S XL A040	88.0-1511mm/3.46-59.49in	38.46mm/1.51in
Warm Dim/Dynamic White	Mid	207	570	173	11	3.35	LiNi-S XL 207	94.3-2011mm/3.71-79.17in	83.3mm/3.28in
	Mid	208	870	265	15.6	4.75	LiNi-S XL 208	177.7-2011mm/7.00-79.17in	166.7mm/6.56in
RGB		501	Red 85 Green 184 Blue 30 RGB 267	Red 26 Green 56 Blue 9 RGB 81	15.6	4.75	LiNi-S XL RGB	94.3-2011mm/3.71-79.17in	83.3mm/3.28in

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

Linear

# LiNi-S XL A040 (40W)

## 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)		3000K (Test Data)
m0088	i0003	88mm	3.46in	77mm	3.03in	6mm	0.24in	3.08	237
m0126	i0005	126mm	4.98in	115mm	4.55in	6mm	0.24in	4.62	356
m0165	i0006	165mm	6.49in	154mm	6.06in	6mm	0.24in	6.16	474
m0203	i0008	203mm	8.01in	192mm	7.57in	6mm	0.24in	7.70	593
m0242	i0010	242mm	9.52in	231mm	9.09in	6mm	0.24in	9.23	711
m0280	i0011	280mm	11.04in	269mm	10.60in	6mm	0.24in	10.77	829
m0319	i0013	319mm	12.55in	308mm	12.12in	6mm	0.24in	12.31	948
m0357	i0014	357mm	14.06in	346mm	13.63in	6mm	0.24in	13.85	1066
m0396	i0016	396mm	15.58in	385mm	15.14in	6mm	0.24in	15.39	1185
m0434	i0017	434mm	17.09in	423mm	16.66in	6mm	0.24in	16.93	1303
m0473	i0019	473mm	18.61in	462mm	18.17in	6mm	0.24in	18.46	1422
m0511	i0020	511mm	20.12in	500mm	19.69in	6mm	0.24in	20.00	1540
m0550	i0022	550mm	21.63in	539mm	21.20in	6mm	0.24in	21.54	1659
m0588	i0023	588mm	23.15in	577mm	22.72in	6mm	0.24in	23.08	1777
m0626	i0025	626mm	24.66in	615mm	24.23in	6mm	0.24in	24.62	1896
m0665	i0026	665mm	26.18in	654mm	25.74in	6mm	0.24in	26.16	2014
m0703	i0028	703mm	27.69in	692mm	27.26in	6mm	0.24in	27.69	2132
m0742	i0029	742mm	29.21in	731mm	28.77in	6mm	0.24in	29.23	2251
m0780	i0031	780mm	30.72in	769mm	30.29in	6mm	0.24in	30.77	2369
m0819	i0032	819mm	32.23in	808mm	31.80in	6mm	0.24in	32.31	2488
m0857	i0034	857mm	33.75in	846mm	33.31in	6mm	0.24in	33.85	2606
m0896	i0035	896mm	35.26in	885mm	34.83in	6mm	0.24in	35.39	2725
m0934	i0037	934mm	36.78in	923mm	36.34in	6mm	0.24in	36.92	2843
m0973	i0038	973mm	38.29in	962mm	37.86in	6mm	0.24in	38.46	2962
m1011	i0040	1011mm	39.80in	1000mm	39.37in	6mm	0.24in	40.00	3080
m1050	i0041	1050mm	41.32in	1039mm	40.89in	6mm	0.24in	41.54	3199
m1088	i0043	1088mm	42.83in	1077mm	42.40in	6mm	0.24in	43.08	3317
m1126	i0044	1126mm	44.35in	1115mm	43.91in	6mm	0.24in	44.62	3435
m1165	i0046	1165mm	45.86in	1154mm	45.43in	6mm	0.24in	46.16	3554
m1203	i0047	1203mm	47.38in	1192mm	46.94in	6mm	0.24in	47.69	3672
m1242	i0049	1242mm	48.89in	1231mm	48.46in	6mm	0.24in	49.23	3791
m1280	i0050	1280mm	50.40in	1269mm	49.97in	6mm	0.24in	50.77	3909
m1319	i0052	1319mm	51.92in	1308mm	51.49in	6mm	0.24in	52.31	4028
m1357	i0053	1357mm	53.43in	1346mm	53.00in	6mm	0.24in	53.85	4146
m1396	i0055	1396mm	54.95in	1385mm	54.51in	6mm	0.24in	55.39	4265
m1434	i0056	1434mm	56.46in	1423mm	56.03in	6mm	0.24in	56.92	4383
m1473	i0058	1473mm	57.97in	1462mm	57.54in	6mm	0.24in	58.46	4502
m1511	i0059	1511mm	59.49in	1500mm	59.06in	6mm	0.24in	60.00	4620

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

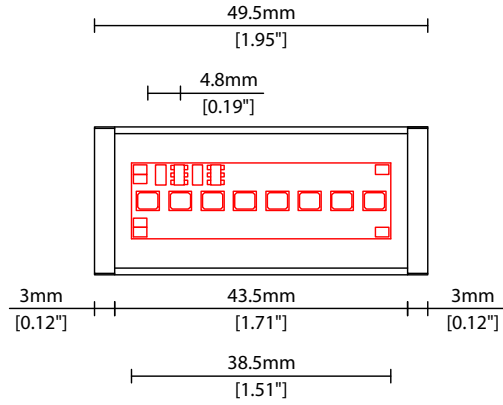
<sup>2</sup> Actual length of PCB strip

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

Linear

# LiNi-S XL A040 (40W)

## Length Availability List



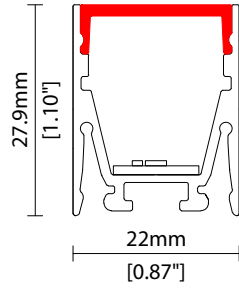
Linear

# LiNi-S XL A040 (40W) Options

# KKDC

## COVER/LENS OPTIONS

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

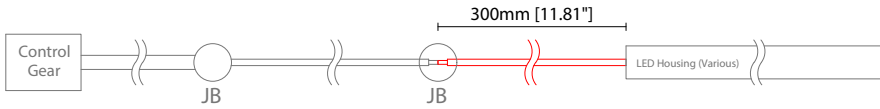


C Diffused cover

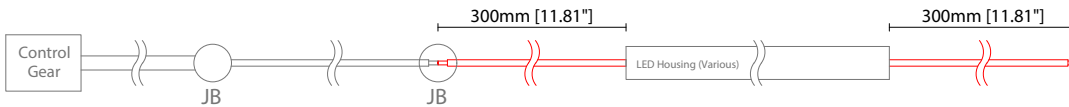
W22/H27.9mm (W0.87/H1.10")

### POWER FEED OPTIONS

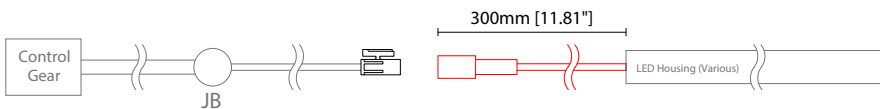
0300 S00X 300mm (11.81") Single no sheath tail



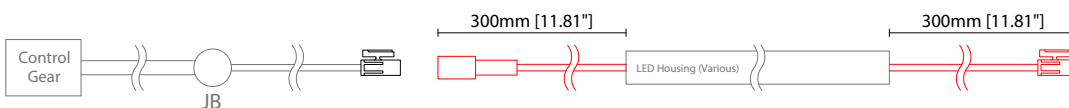
0300 D00X 300mm (11.81") Double no sheath tail



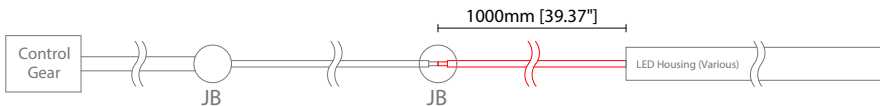
0300 S20X 300mm (11.81") Single no sheath IP20 connector



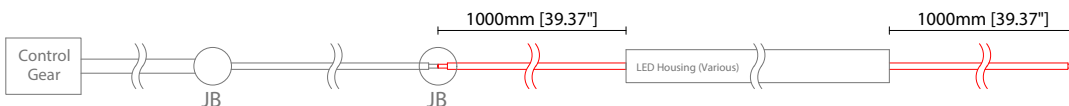
0300 D20X 300mm (11.81") Double no sheath IP20 connector



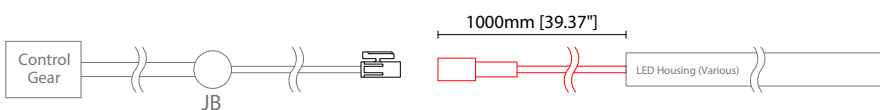
1000 S00X 1000mm (39.37") Single no sheath tail



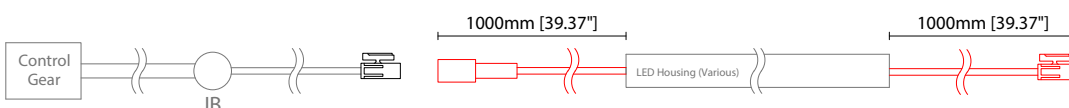
1000 D00X 1000mm (39.37") Double no sheath tail



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

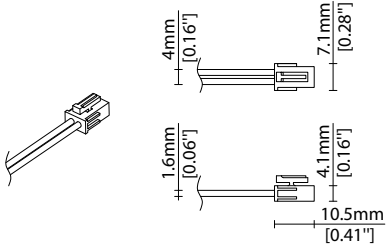
Linear

# LiNi-S XL A040 (40W) Options

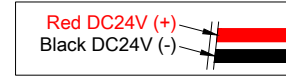
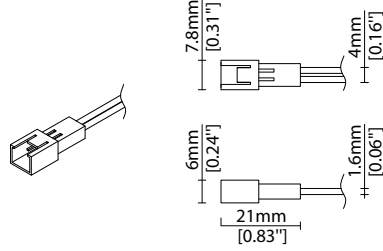


## POWER FEED OPTIONS (CONTINUED)

### 2 Pin Female Connector



### 2 Pin Male Connector





Linear

# LiNi-S XL A040 (40W) Accessories

# KKDC

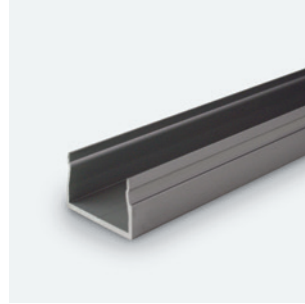
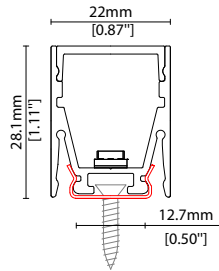
## MOUNTING ACCESSORIES

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



### KKCP-11

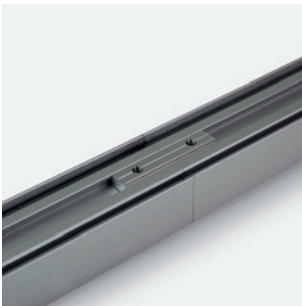
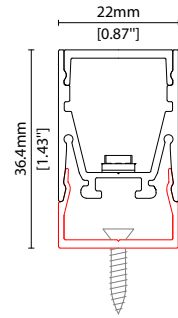
Concealed clip  
(allow 3 per metre/40in)  
S/Steel finish  
L20/W22/H28.1mm  
(L0.79/W0.87/H1.11")



- 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")

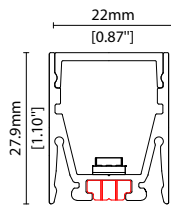
\* Cut & drilled to fit on site



### KKJT-02

Joining bar\* (allow 1 per join)  
anodised aluminium finish  
L25mm (L0.98")

\* Mounting option required with  
Joining bar

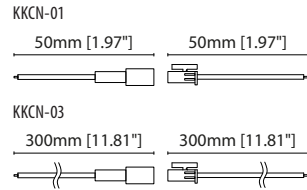
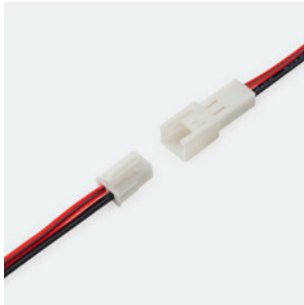


Linear

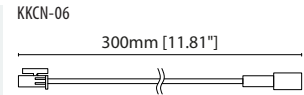
# LiNi-S XL A040 (40W) Accessories

# KKDC

## 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)



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