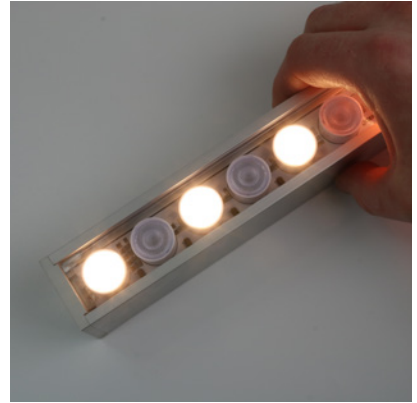




# SEN CV 055 CHROMAX RGBW Fixture Guide



Indoor/Outdoor | Surface | Output up to 2711.5lm/m (826.5lm/ft)

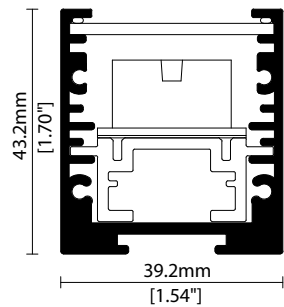


## Key applications

- ✓ Building facades
- ✓ Direct lighting
- ✓ Downlighting
- ✓ Exterior
- ✓ Flood lighting
- ✓ Public spaces
- ✓ Retail display
- ✓ Special effect
- ✓ Wall grazing
- ✓ Wall mounting
- ✓ Window reveal
- ✓ Wet area

## Key features

- ✓ Adjustable
- ✓ Custom lengths
- ✓ Constant Voltage (CV)
- ✓ Diffusion: spotting
- ✓ IP44 moisture resistant
- ✓ IP67 waterproof
- ✓ CHROMAX RGBW
- ✓ Lens options



## MOUNTING METHODS



KKCP-12 Lock clip



KKBK-02 Fixed bracket



KKBK-09 Mounting plate



KKBK-16 Small adjustable bracket



KKBK-17 Large adjustable bracket



KKBK-23 Low adjustable bracket



# SEN CV 055 CHROMAX RGBW

## Specification sheet

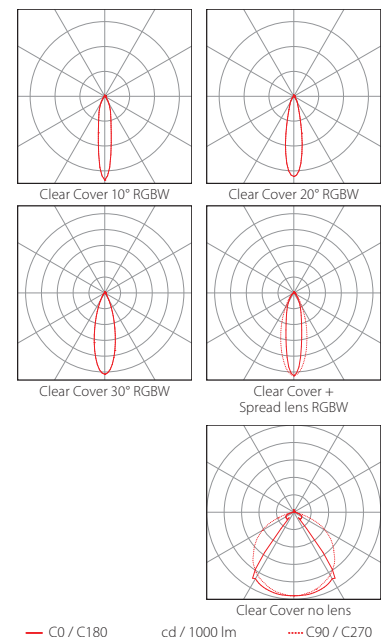
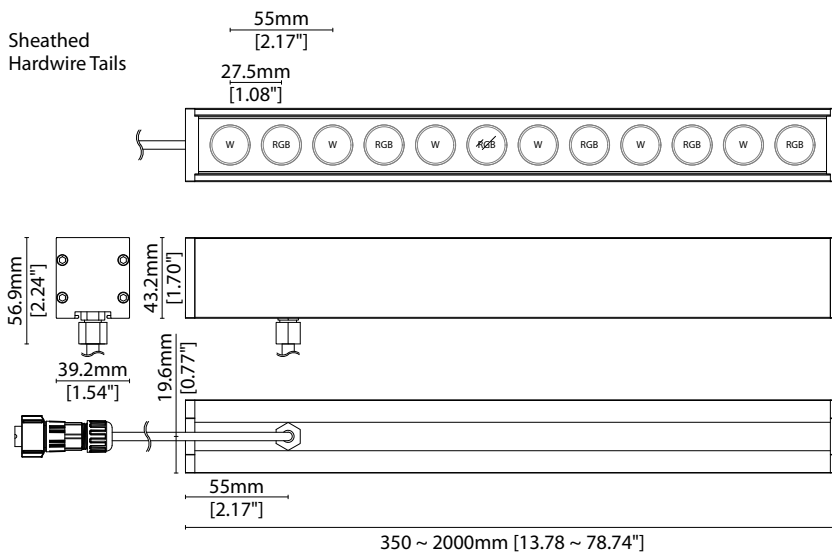


<b>Dimensions</b>	H43.2/W39.2/L350-2000mm (H1.70/W1.54/L13.78-78.74in) 1250mm (49.2in) max for UL
<b>PCB Cut-point</b>	330mm (13in)
<b>LED Pitch</b>	RGB(WHITE) to RGB(WHITE) 55mm - 36LED/m (2.16in - 11LED/ft)
<b>Chip</b>	CHROMAX RGBW LEDmix
<b>Cover/Optics</b>	10°/20°/30°/Spread lens (10°x45°)/No lens
<b>CCT</b>	White: 2700K/3000K/3500K/4000K/5000K (90CRI for 2700K/3000K) RGB: Red 630-635nm/Blue 455-460nm/Green 524-529nm
<b>LED binning</b>	h-line: 3-step MacAdam Ellipse / 4-step MacAdam Ellipse(5000K) RGB : 5nm tolerance
<b>CRI (white)</b>	≥ 90 (2700K/3000K) ≥ 80 (3500K/4000K/5000K)
<b>Lifetime</b>	50,000 hours @ 25°C (50,000 hours @ 77°F)
<b>Operating temp</b>	T <sub>a</sub> = -25 to 40°C (T <sub>c</sub> max = 70°C) T <sub>a</sub> = -13 to 104°F (T <sub>c</sub> max = 158°F)
<b>IP Rating</b>	IP44/67
<b>Finish</b>	Silver anodised
<b>Mounting</b>	Surface mounting via brackets
<b>Power feed</b>	Sheathed hardwire tails or male/female connectors
<b>Control</b>	DMX



\*Note: Driving power consumption is Max. 70% of power consumption (RGBW LED should not all be turned on to 100% at the same time)

	Power consumption			Supply voltage			Supply current					
	55W/m (16.76W/ft)	24V DC	2.292A/m (0.698A/ft)	Clear Cover 10°	Clear Cover 20°	Clear Cover 30°	Clear Cover Spread lens	Clear Cover No Lens	Clear Cover + Micro Louvre	CRI	R9	Rf
<b>RGBW</b>	2563lm/m (781.2lm/ft) 46.6lm/W	2640lm/m (804.7lm/ft) 48lm/W	2711.5lm/m (826.5lm/ft) 49.3lm/W	2486lm/m (757.7lm/ft) 45.2lm/W	2250lm/m (685.8lm/ft) 40.9lm/W	-60% Output when combined with Cover and Lens options	91.2	59.4	94	99		
<b>RGB</b>	645.9lm/m (196.9lm/ft) 24.1lm/W	688.9lm/m (210lm/ft) 25.4lm/W	710.7lm/m (216.7lm/ft) 26lm/W	638.6lm/m (194.7lm/ft) 23.5lm/W	599.3lm/m (182.7lm/ft) 22lm/W	-60% Output when combined with Cover and Lens options						
<b>RED</b>	170.3lm/m (52lm/ft) 16.7lm/W	187.1lm/m (57.1lm/ft) 18.3lm/W	189.7lm/m (57.9lm/ft) 18.4lm/W	175.9lm/m (53.7lm/ft) 17.1lm/W	155.6lm/m (47.5lm/ft) 15.2lm/W	-60% Output when combined with Cover and Lens options						
<b>GREEN</b>	462.6lm/m (141lm/ft) 53.6lm/W	486.3lm/m (148.3lm/ft) 55.8lm/W	492.3lm/m (150.1lm/ft) 56.4lm/W	450.8lm/m (137.4lm/ft) 51.6lm/W	416.4lm/m (127lm/ft) 48.1lm/W	-60% Output when combined with Cover and Lens options						
<b>BLUE</b>	62.3lm/m (19lm/ft) 7.2lm/W	64.9lm/m (19.8lm/ft) 7.4lm/W	65.8lm/m (20.1lm/ft) 7.5lm/W	61.3lm/m (18.7lm/ft) 7lm/W	55lm/m (16.8lm/ft) 6.3lm/W	-60% Output when combined with Cover and Lens options						
<b>WHITE</b>	1919.8lm/m (585.2lm/ft) 70.7lm/W	2057.8lm/m (627.2lm/ft) 71.7lm/W	2135.6lm/m (650.9lm/ft) 73.7lm/W	1963.3lm/m (598.4lm/ft) 67.1lm/W	1755lm/m (534.9lm/ft) 60.2lm/W	-60% Output when combined with Cover and Lens options						



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



# SEN CV 055 CHROMAX RGBW Code Table



## FIXTURE

Model	Finish	Cover/Lens <sup>1</sup>	Grade	LED	Colour (CCT)	Length Availability <sup>2</sup>	IP	Cable Length	Power Feed <sup>3</sup>	Cable Exit <sup>4</sup>	Lens	Input																															
SEN	Silver Anodised	SA	Clear	B	h-h	055 CHROMAX RGBW	C155	CM. RGB + 2700	SC27	m	350-2000mm 330mm increments	IP44 44 IP67 67	1000mm 39.37"	1000	Single Ø6.3mm sheath tail	S00B	Rear Cable Exit	RC	No lens <sup>6</sup>	XX	DC 24V	g																					
																							CM. RGB + 3000	SC30	i	13.78-78.74in 13in increments	Single Ø6.3mm sheath tail	D00B	Side Cable Exit <sup>5</sup>	SC	20°	20											
																																	CM. RGB + 3500	SC35	(Specify length code OR total run length)	Single Ø6.3mm sheath IP67 Male Con.	S67B	Spread Lens	SL				
																																								CM. RGB + 4000	SC40	Double Ø6.3mm sheath IP67 Male Con.	D67B

<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

<sup>4</sup> Refer to **Cable Exit Options** on **Options** pages

<sup>5</sup> Low adjustable bracket needs side cable exit option

<sup>6</sup> 'No lens' option not available with Micro louvre

## Code Example:

SN	-	SA	-	B	-	h	-	C155	-	SC30	-	m	1010	-	44	-	1000	-	D00B	-	RC	-	30	-	g
SEN		Silver Anodised		Clear		h-h		055 CHROMAX		CM. RGB + 3000		1010mm		IP44		1000mm		Double Ø6.3mm sheath tail		Rear Cable Exit		30°		DC 24V	

## ACCESSORIES

### Mounting Accessories

KKCP-12	Lock Clip
KKBK-02	Fixed bracket
KKBK-09	Mounting plate
KKBK-16	Small adjustable bracket
KKBK-17	Large adjustable bracket
KKBK-23	Low adjustable bracket

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

### PSU/Driver

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	035	3412	1040	40	12.19	SEN CV 035	250-2000mm (9.84-78.74in)	250mm (9.84in)
RGBW	047 RGBW	3596	1096	58	17.68	SEN CV 047 RGBW	340-1990mm (13.39-78.34in)	330mm (13in)
<b>CHROMAX RGBW</b>	<b>055 CHROMAX RGBW</b>	<b>2711.5</b>	<b>826.5</b>	<b>55</b>	<b>16.76</b>	<b>SEN CV 055 CHROMAX RGBW</b>	<b>350-2000mm (13.78-78.74in)</b>	<b>330mm (13in)</b>

\* Performance data: h-line, 3000K + CHROMAX RGB, clear cover, 10° lens

High Power

# SEN CV 055 CHROMAX RGBW Length Availability List

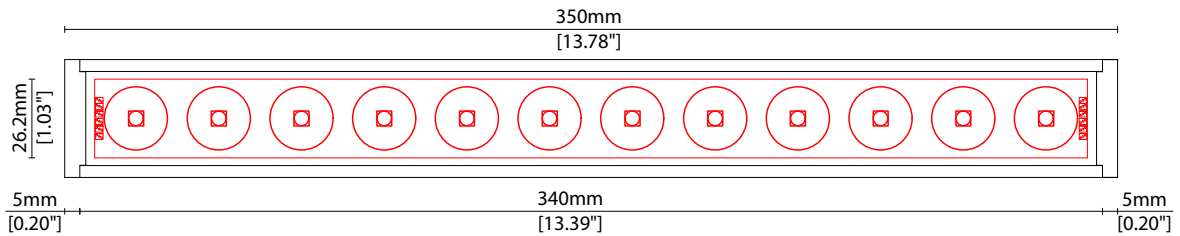


Length Code		Fixture Length <sup>1</sup>		LED Strip <sup>2</sup>		End Cap Dimension <sup>3</sup>		Wattage (W)	Output (lm)
Metric	Imperial(US)	Metric	Imperial(US)	Metric	Imperial(US)	Metric	Imperial(US)		3000K (30Deg) (Test Data)
m0350	i0013	350mm	13.78in	330mm	12.99in	10mm	0.39in	18.33	733
m0680	i0026	680mm	26.77in	660mm	25.98in	10mm	0.39in	36.66	1466
m1010	i0039	1010mm	39.76in	990mm	38.98in	10mm	0.39in	55.00	2200
m1340	i0052	1340mm	52.76in	1320mm	51.97in	10mm	0.39in	73.32	2933
m1670	i0065	1670mm	65.75in	1650mm	64.96in	10mm	0.39in	91.65	3666
m2000	i0078	2000mm	78.74in	1980mm	77.95in	10mm	0.39in	110.00	4400

<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



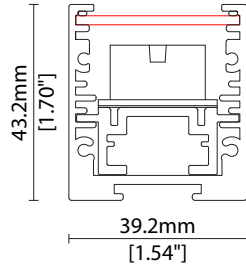


# SEN CV 055 CHROMAX RGBW Options

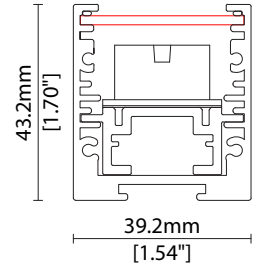


## COVER OPTIONS

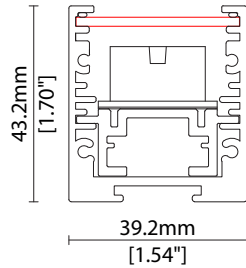
\* Options are an integral part of the fixture ordering codes. Please refer to **Code Table** pages.



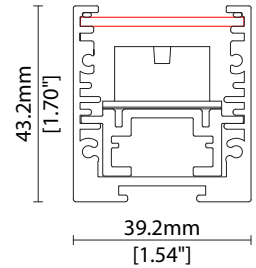
**B 10** Clear cover 10° lens  
W39.2/H43.2mm (W1.54/H1.70")



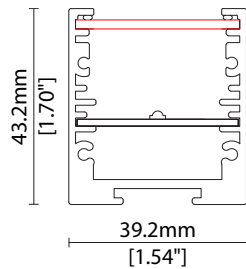
**B 20** Clear cover 20° lens  
W39.2/H43.2mm (W1.54/H1.70")



**B 30** Clear cover 30° lens  
W39.2/H43.2mm (W1.54/H1.70")

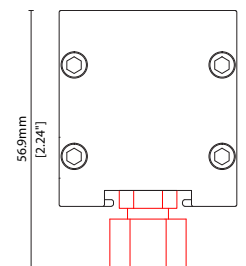


**B SL** Clear cover + Spread lens  
W39.2/H43.2mm (W1.54/H1.70")

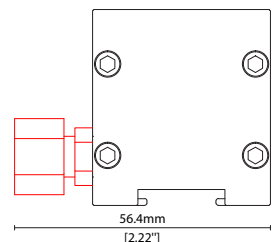


**B XX** Clear cover No lens  
W39.2/H43.2mm (W1.54/H1.70")

## CABLE EXIT OPTIONS



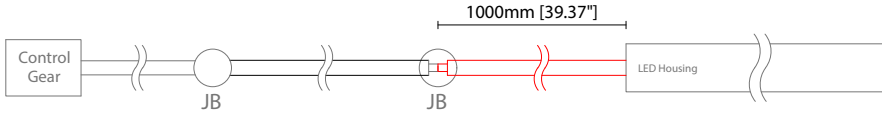
**RC** Rear cable exit



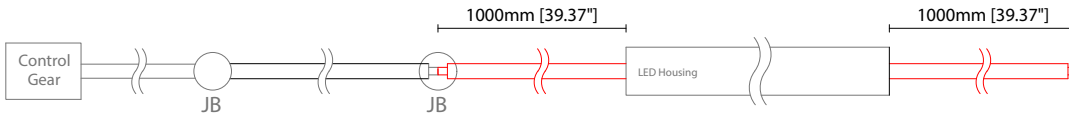
**SC** Side cable exit

## POWER FEED OPTIONS

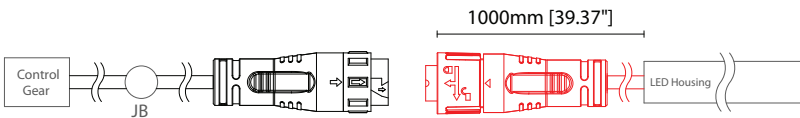
1000 S00B 1000mm (39.37") Single  $\phi$ 6.3mm sheath tail



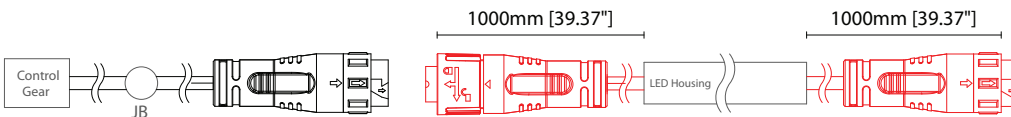
1000 D00B 1000mm (39.37") Double  $\phi$ 6.3mm sheath tail



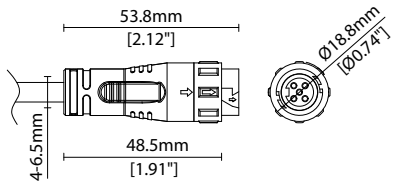
1000 S67B 1000mm (39.37") Single  $\phi$ 6.3mm sheath connector IP67 (Premoulded)



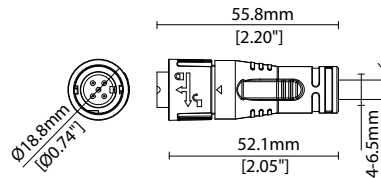
1000 D67B 1000mm (39.37") Double  $\phi$ 6.3mm sheath connector IP67 (Premoulded)



5 Pin RGBW Female Connector IP67 (Premoulded)



5 Pin RGBW Male Connector IP67 (Premoulded)



### Key

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

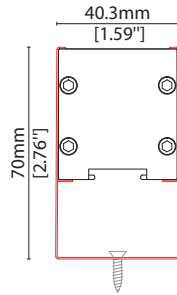
**MOUNTING ACCESSORIES**

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



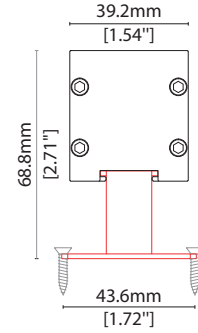
**KKCP-12**

Lock clip (allow 2 per metre/40in)  
S/Steel finish



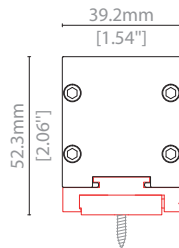
**KKBK-02**

Fixed bracket (allow 2 per metre/40in)  
S/Steel finish



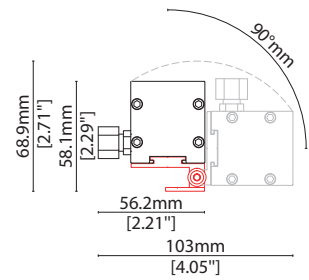
**KKBK-09**

Mounting plate  
(allow 2 per metre/40in)  
Silver anodised aluminium finish



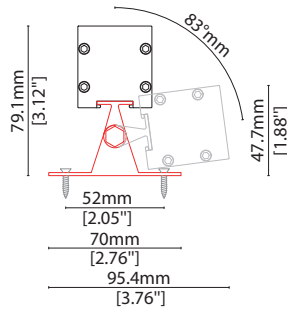
**KKBK-23**

Low adjustable bracket  
(allow 2 per metre/40in)  
Silver anodised aluminium finish



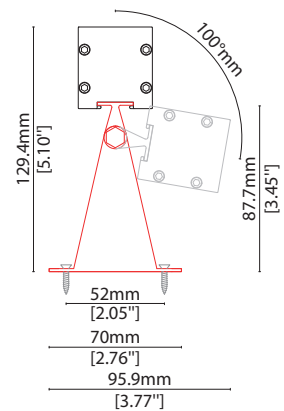
**KKBK-16**

Small adjustable bracket  
(allow 2 per metre/40in)  
Silver anodised aluminium finish



**KKBK-17**

Large adjustable bracket  
(allow 2 per metre/40in)  
Silver anodised aluminium finish

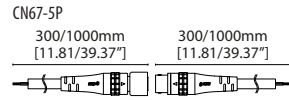


High Power

# SEN CV 055 CHROMAX RGBW Accessories

# KKDC

## POWER FEED



CN67-5P-1000 1000mm  
(39.37in) pair

IP67

5 PIN male + female (RGBW)  
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



# SEN CV Driver/PSU Options



## 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-02/03/04/visDIM PRO 30	90-295V	24V	2.5A	60W	100-0.1	IP67/IP20
	HLG-60H-24	KKDL-02/03/04/visDIM PRO 30	90-305V	24V	2.5A	60W	100-0.1	IP67/IP20
	HLG-100H-24	KKDL-02/03/04/visDIM PRO 30	90-305V	24V	4.0A	100W	100-0.1	IP67/IP20
	HLG-150H-24	KKDL-02/03/04/visDIM PRO 30	90-305V	24V	6.3A	150W	100-0.1	IP67/IP20
	HLG-240H-24	KKDL-02/03/04/visDIM PRO 30	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