

High Power

# SEN CV 094 RGB Fixture Guide



Indoor/Outdoor | Surface | RGB output

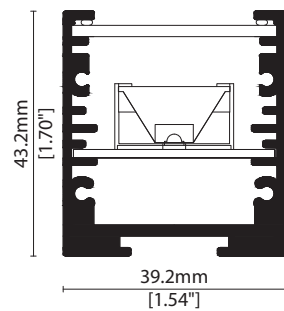


## Key applications

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

## Key features

- ✓ Adjustable
- ✓ Custom lengths
- ✓ Constant Voltage (CV)
- ✓ Diffusion: spoting
- ✓ IP44 moisture resistant
- ✓ IP67 waterproof
- ✓ Lens options
- ✓ RGB



## 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 094 RGB

## Specification sheet

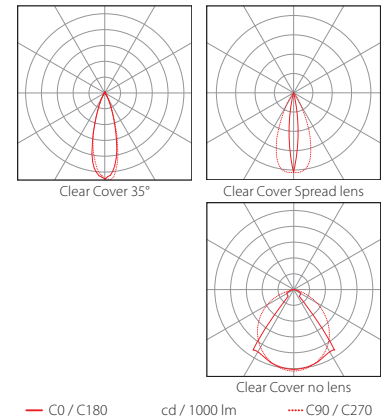
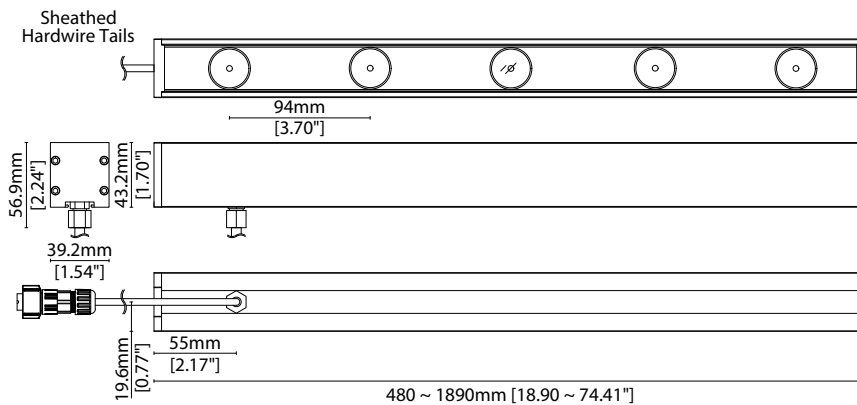


<b>Dimensions</b>	H43.2/W39.2/L480-1890mm (H1.70/W1.54/L18.90-74.41in)
<b>PCB Cut-point</b>	470mm (18.5in)
<b>LED Pitch</b>	94mm - 10LED/m (3.7in - 3LED/ft)
<b>Chip</b>	RGB
<b>Cover/Optics</b>	35°/Spread lens (10°x45°)/No lens
<b>CCT</b>	Red 618-629nm/Blue 455-465nm/Green 518-535nm
<b>LED binning</b>	17nm 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> = -20 to 40°C (T <sub>c</sub> max = 55°C) T <sub>a</sub> = -4 to 104°F (T <sub>c</sub> max = 131°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 tail
<b>Control</b>	Integral DMX receiver

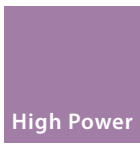


Power consumption	Supply voltage	Supply current
16.3W/m (4.98W/ft)	24V DC	0.6A/m (0.183A/ft)

Clear Cover 35°	Clear Cover Spread lens	Clear Cover No Lens
Red: 125lm/m (38lm/ft)	Red: 125lm/m (38lm/ft)	Red: 104lm/m (32lm/ft)
Green: 374lm/m (114lm/ft)	Green: 374lm/m (114lm/ft)	Green: 311lm/m (114lm/ft)
Blue: 16lm/m (5lm/ft)	Blue: 16lm/m (5lm/ft)	Blue: 13lm/m (4lm/ft)
RGB: 502lm/m (153lm/ft)	RGB: 502lm/m (153lm/ft)	RGB: 419lm/m (128lm/ft)



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



# SEN CV 094 RGB Code Table



## FIXTURE

Model	Finish	Cover <sup>1</sup>	Grade	LED	Colour	Length Availability <sup>2</sup>	IP	Cable Length	Power Feed <sup>3</sup>	Cable Exit <sup>4</sup>	Lens	Control	Input
SEN	SN Silver Anodised	SA Clear Clear+ Micro Louvre	B h K	094 194	RGB RGB	m 480-1890mm 470mm increments  i 18.90-74.41in 18.50in increments  (Specify length code OR total run length)	IP44 44 IP67 <sup>5</sup> 67	1000mm 1000 /39.37"	Single ø6.3mm sheath tail D00B  Double ø6.3mm sheath tail D00B  Single ø6.3mm sheath IP67 connector S67B  Double ø6.3mm sheath IP67 connector D67B	Rear Cable Exit RC  Side Cable Exit <sup>6</sup> SC	No lens XX 35° 35 Spread Lens SL	DMX 2	DC 24V g

<sup>1</sup> Refer to **Cover 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> Due to the clear, flush potted polyurethane top layer on IP67 SEN a colour shift of +/-20K should be expected

<sup>6</sup> Low adjustable bracket needs side cable exit option

## Code Example:

SN	-	SA	-	B	-	h	-	194	-	RGB	-	m	1420	-	44	-	1000	-	D00B	-	RC	-	35	-	2	-	g
SEN		Silver anodised		Clear				094		RGB		1420mm		IP44		1000mm/39.37"		Double ø6.3mm sheath tail		Rear Cable Exit		35°		DMX		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

### 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

Integral DMX receiver
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\* 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	LED	Lumen/m	Lumen/ft	W/m	W/ft	Spec Doc	Length	Increment
RGB	047	Red 187 Green 774 Blue 43 RGB 946	Red 57 Green 236 Blue 13 RGB 288	32.7	9.96	SEN CV 047 RGB	480-1890mm (18.90-74.41in)	470mm (18.50in)
	094	Red 125 Green 374 Blue 16 RGB 502	Red 38 Green 114 Blue 5 RGB 153	16.3	4.98	SEN CV 094 RGB	480-1890mm (18.90-74.41in)	470mm (18.50in)

\* Performance data: clear cover, 35° lens, 600mA, RGB



# SEN CV 094 RGB

## Length Availability List

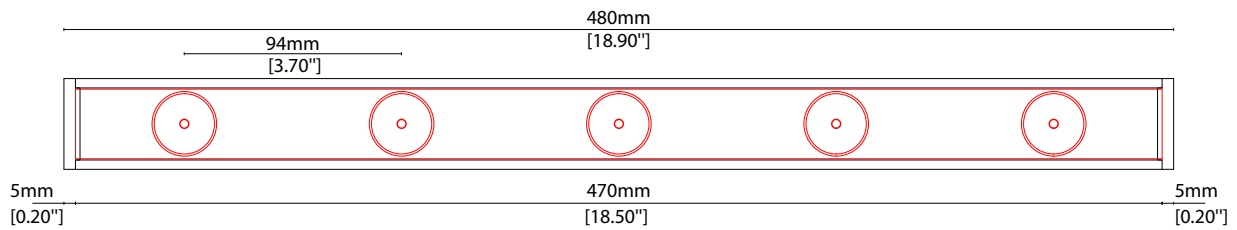


Length Code		Fixture Length <sup>1</sup>		LED Strip <sup>2</sup>		End Cap Dimension <sup>3</sup>		Wattage (W)	Output (lm)			
Metric	Imperial(US)	Metric	Imperial(US)	Metric	Imperial(US)	Metric	Imperial(US)		R	G	B	W
m0480	i0019	480mm	18.90in	470mm	18.50in	10mm	0.39in	7.68	59	176	8	237
m0950	i0037	950mm	37.40in	940mm	37.01in	10mm	0.39in	15.36	118	352	15	473
m1420	i0056	1420mm	55.91in	1410mm	55.51in	10mm	0.39in	23.04	177	529	23	710
m1890	i0074	1890mm	74.41in	1880mm	74.02in	10mm	0.39in	30.72	236	705	30	946

<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 094 RGB Options

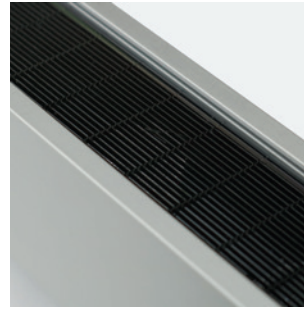
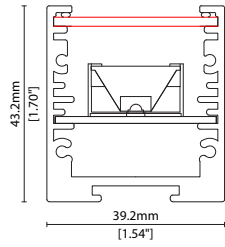


## COVER OPTIONS

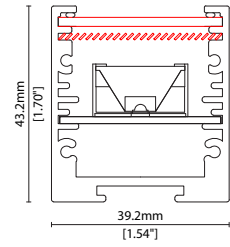
\* Options are an integral part of the fixture ordering codes. Please refer to **Code Table** pages.



**B** Clear



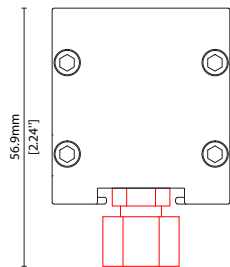
**K** Clear + Micro Louvre



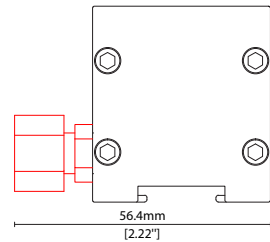
## CABLE EXIT OPTIONS



**RC** Rear cable exit



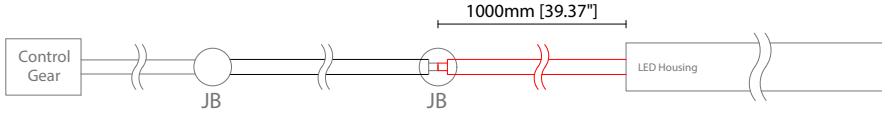
**SC** Side cable exit



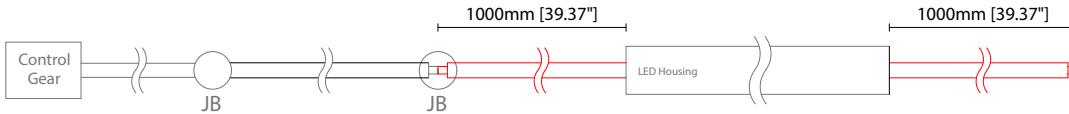
### POWER FEED OPTIONS

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

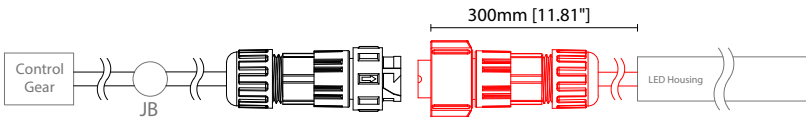
**1000 S00B 1000mm (39.37") Single ø6.3mm sheath tail**



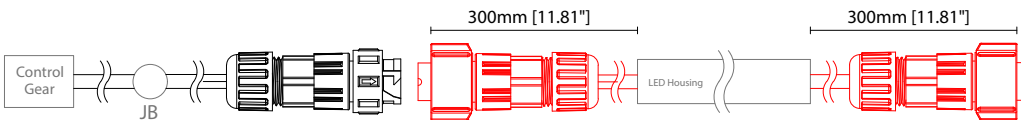
**1000 D00B 1000mm (39.37") Double ø6.3mm sheath tail**



**0300 S67B 300mm (11.81") Single ø6.3mm sheath IP67 connector**

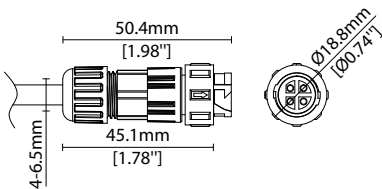


**0300 D67B 300mm (11.81") Double ø6.3mm sheath IP67 connector**

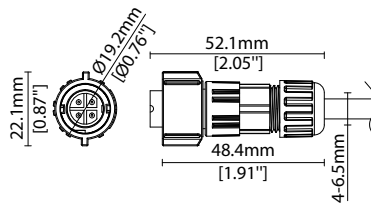


### IP67 4 Pin Connector

Female connector  
4 PIN (IP67)



Male connector  
4 PIN (IP67)



### Key

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

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# SEN CV 094 RGB Accessories

# KKDC

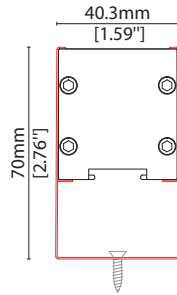
## MOUNTING ACCESSORIES

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



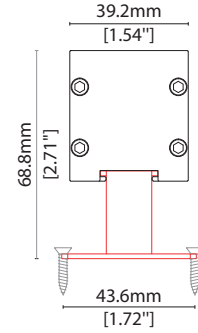
**KKCP-12**

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



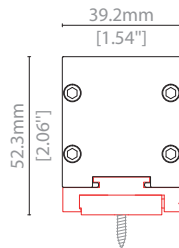
**KKBK-02**

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



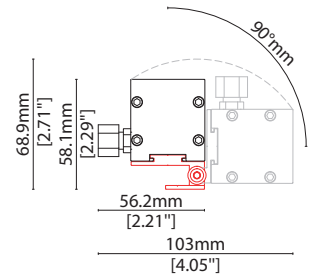
**KKBK-09**

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



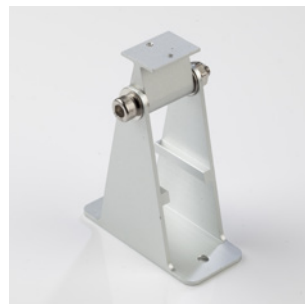
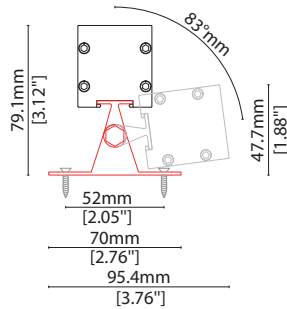
**KKBK-23**

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



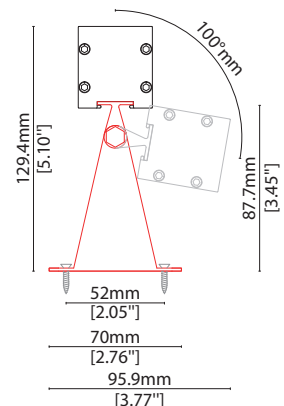
**KKBK-16**

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





# SEN CV 094 RGB Accessories



## EXTERIOR JUNCTION BOXES

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KKJB-07

IP67 Slim J-Box  
(including type A,B,C,D bushings)



KKJB-07R

Potting resin for IP67 Slim J-Box



# SEN CV RGB 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

<sup>1</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>2</sup> Electrical shop drawing will include detailed information of PSU and relevant control drivers

<sup>3</sup> Cut sheets are available on the controls section of [www.kkdc.lighting](http://www.kkdc.lighting) or upon request