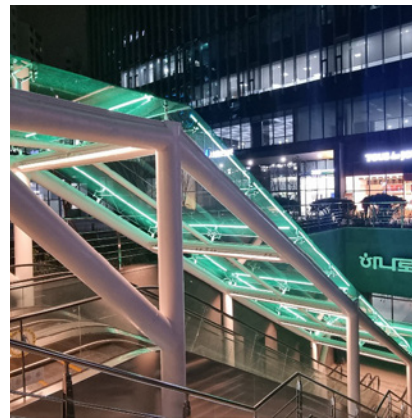


High Power

SEN CV 047 RGBW Fixture Guide



Indoor/Outdoor | Surface | RGBW output

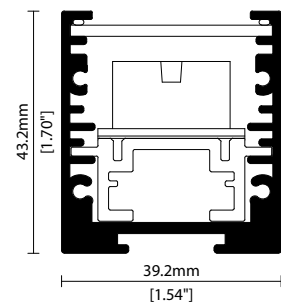


Key applications

- ✓ 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
- ✓ LEDmix 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 047 RGBW

Specification sheet



Dimensions	H43.2/W39.2/L340-1990mm (H1.70/W1.54/L13.39-78.34in)
PCB Cut-point	330mm (13in)
LED Pitch	47.2mm - 21LED/m (1.85in - 7LED/ft)
Chip	RGBW LEDmix
Cover/Optics	15°/25°/60°/Spread lens (15°x30°)/No lens/Micro louvre
CCT	White: 3000K RGB: Red 620-625nm/Blue 455-460nm/Green 520-525nm
LED binning	N/A
CRI	N/A
Lifetime	50,000 hours @ 25°C (50,000 hours @ 77°F)
Operating temp	T _a = -25 to 40°C (T _c max = 83°C) T _a = -13 to 104°F (T _c max = 181°F)
IP Rating	IP44/67
Finish	Silver anodised
Mounting	Surface mounting via brackets
Power feed	Sheathed hardwire tails or male/female connectors
Control*	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)



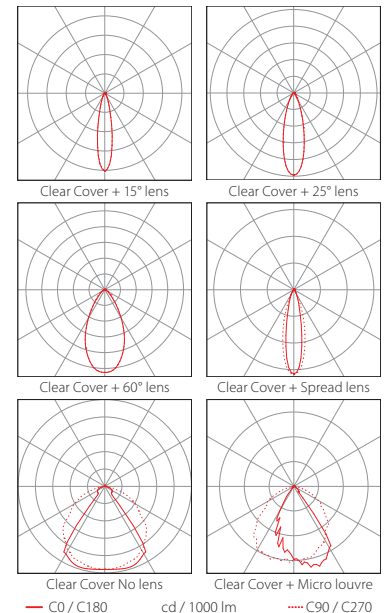
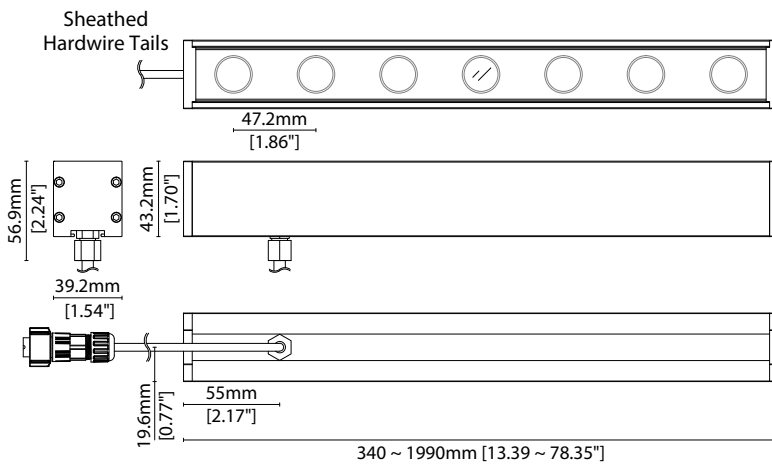
LED Grading Key

Exclusive Grade

h-line*	*KKDC tuned CCT range
Constant Voltage Lensed High Power LED	
3-step CCT range (4-step for 5000K)	

Power consumption	Supply voltage	Supply current
58W/m (17.68W/ft)	24V DC	2.4A/m (0.74A/ft)

	Clear Cover 15°	Clear Cover 25°	Clear Cover 60°	Clear Cover Spread lens	Clear Cover No Lens	Clear Cover + Micro Louvre
h-line	3596lm/m (1096lm/ft) 62lm/W	3596lm/m (1096lm/ft) 62lm/W	3016lm/m (919lm/ft) 52lm/W	3538lm/m (1078lm/ft) 61lm/W	2668lm/m (813lm/ft) 46lm/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 047 RGBW Code Table



FIXTURE

Model	Finish	Cover/Lens ¹		Grade ²	Strip	Colour (CCT)	Length Availability ³	IP	Cable Length	Power Feed ⁴	Cable Exit ⁵	Lens		Input	
SEN CV	SN Silver Anodised	SA Clear	B	h-h	RGBW	RGB+ 3000K	m 340-1990mm 330mm increments	IP44 44 IP67 ⁶ 67	1000mm /39.37"	1000	S00B Single ø6.3mm sheath tail	RC Rear Cable Exit	XX	DC 24V	
			K										15°		15
			Clear+ Micro louvre										SC Side Cable Exit ⁷		25°
60°	60														
										S67B Single ø6.3mm sheath IP67 connector		SL			
										D67B Double ø6.3mm sheath IP67 connector					

- 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 Refer to **Cable Exit Options** on **Options** pages
- ⁶ Due to the clear, flush potted polyurethane top layer on IP67 SEN CV 047 RGBW a colour shift of +/-20K should be expected ⁷ Low adjustable bracket needs side cable exit option
- ⁸ 'No lens' option not available with Micro louvre

Code Example:

SN	-	SA	-	B	-	h	-	RGBW	-	30	-	m	1330	-	44	-	1000	-	D00B	-	RC	-	25	-	g
SEN		Silver anodised		Clear		h		RGBW+3000K		1330mm		IP44		1000mm/39.37"					Double ø6.3mm sheath tail		Rear Cable Exit		25°		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

Connection Accessories

CN67-5P-1000	IP67 5 PIN male & female 1000mm/39.37" pair
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* Refer to **Power feed** 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)
CHROMAX RGBW	055 CHROMAX RGBW	2711.5	826.5	55	16.76	SEN CV 055 CHROMAX RGBW	350-2000mm (13.78-78.74in)	330mm (13in)

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

High Power

SEN CV 047 RGBW Length Availability List

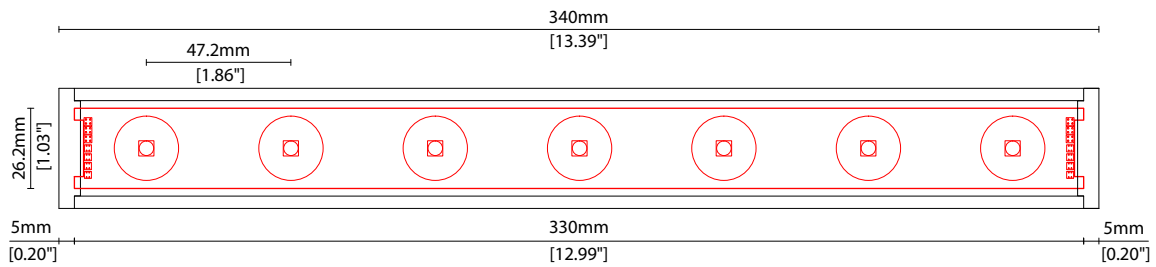


Length Code		Fixture Length ¹		LED Strip ²		End Cap Dimension ³		Wattage (W)	Output (lm)
Metric	Imperial(US)	Metric	Imperial(US)	Metric	Imperial(US)	Metric	Imperial(US)		3000K (Test Data)
m0340	i0013	340mm	13.39in	330mm	12.99in	10mm	0.39in	20.63	1279
m0670	i0026	670mm	26.38in	660mm	25.98in	10mm	0.39in	41.25	2558
m1000	i0039	1000mm	39.37in	990mm	38.98in	10mm	0.39in	62.50	3875
m1330	i0052	1330mm	52.36in	1320mm	51.97in	10mm	0.39in	82.50	5115
m1660	i0065	1660mm	65.35in	1650mm	64.96in	10mm	0.39in	103.13	6394
m1990	i0078	1990mm	78.35in	1980mm	77.95in	10mm	0.39in	123.75	7673

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

² Actual length of PCB strip

³ Actual length of 2x end caps



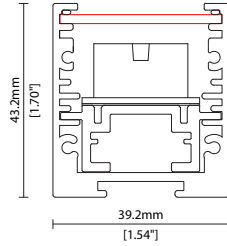
High Power

SEN CV 047 RGBW Options

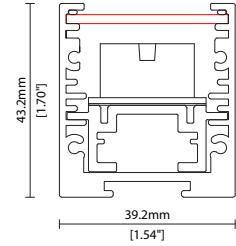
KKDC

COVER OPTIONS

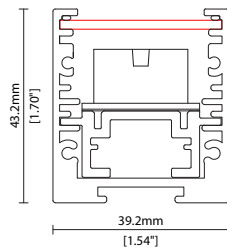
* Options are an integral part of the fixture ordering codes. Please refer to **Code Table** pages.



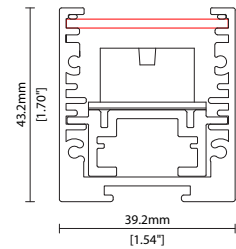
B 15 Clear cover 15° lens
W39.2/H43.2mm (W1.54/H1.70")



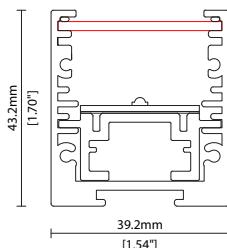
B 25 Clear cover 25° lens
W39.2/H43.2mm (W1.54/H1.70")



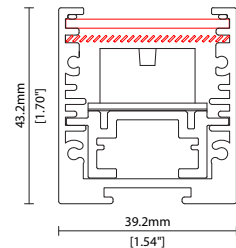
B 60 Clear cover 60° lens
W39.2/H43.2mm (W1.54/H1.70")



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

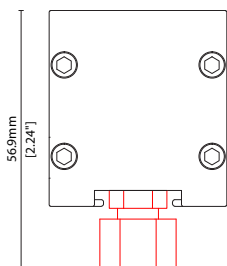


B XX Clear cover No lens
W39.2/H43.2mm (W1.54/H1.70")

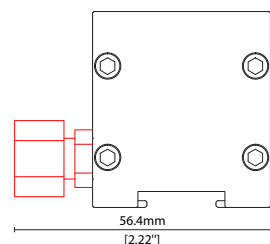


K Clear cover + Micro louvre
W39.2/H43.2mm (W1.54/H1.70")

CABLE EXIT OPTIONS



RC Rear cable exit

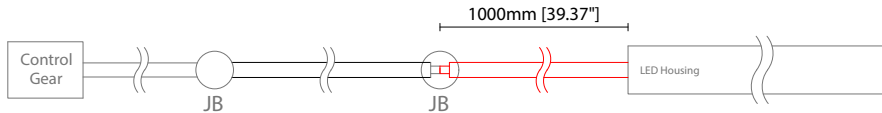


SC Side cable exit

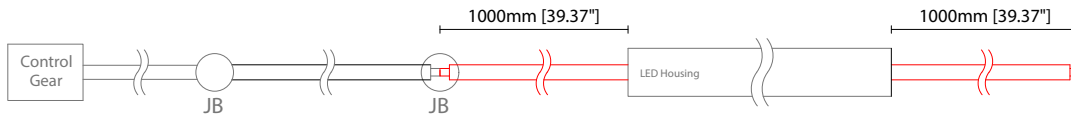
POWER FEED OPTIONS

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

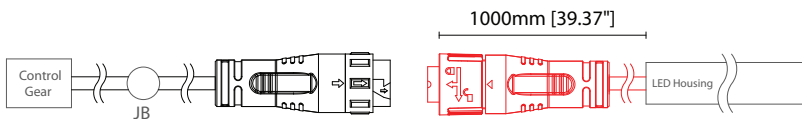
1000 S00B 1000mm (39.37") Single \varnothing 6.3mm sheath tail



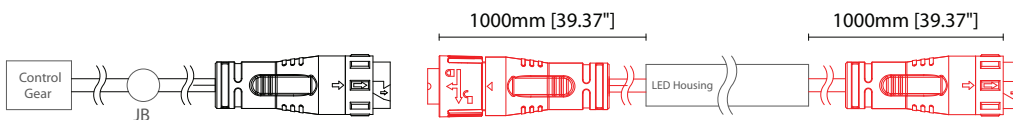
1000 D00B 1000mm (39.37") Double \varnothing 6.3mm sheath tail



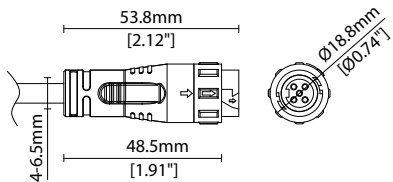
1000 S67B 1000mm (39.37") Single \varnothing 6.3mm sheath connector IP67 (Premoulded)



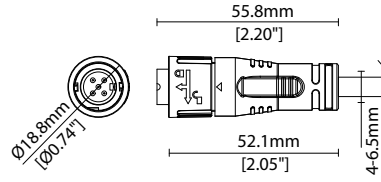
1000 D67B 1000mm (39.37") Double \varnothing 6.3mm sheath connector IP67 (Premoulded)



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

High Power

SEN CV 047 RGBW Accessories

KKDC

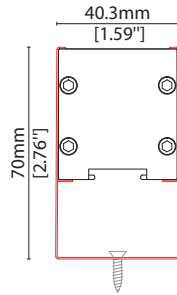
MOUNTING ACCESSORIES

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



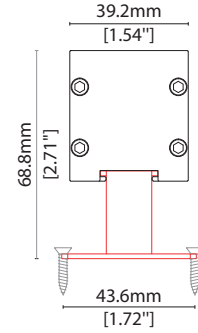
KKCP-12

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



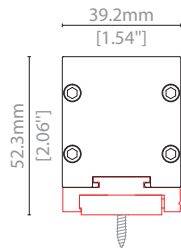
KKBK-02

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



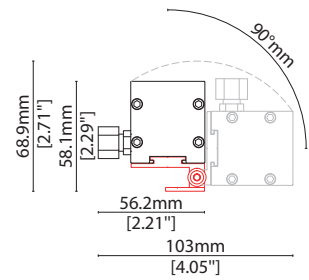
KKBK-09

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



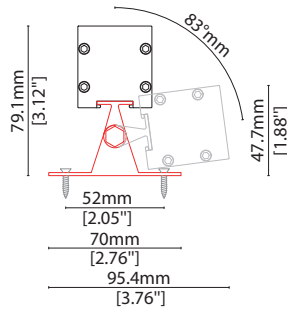
KKBK-23

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



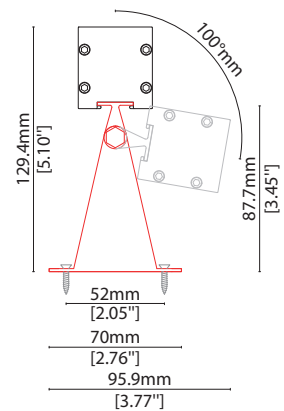
KKBK-16

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

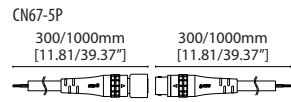




SEN CV 047 RGBW Accessories



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 047 RGBW 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

¹ 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

² Electrical shop drawing will include detailed information of PSU and relevant control drivers

³ Cut sheets are available on the controls section of www.kkdc.lighting or upon request