

High Power

SEN CV 047 RGB Fixture Guide



Indoor/Outdoor | Surface | RGB output

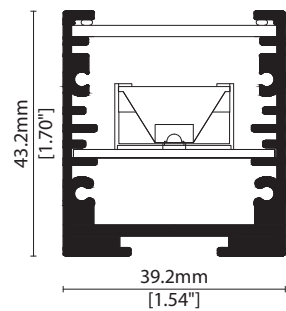


Key applications

- ✓ 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: spotting
- ✓ 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 047 RGB

Specification sheet

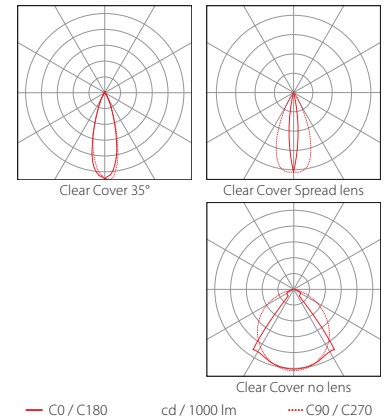
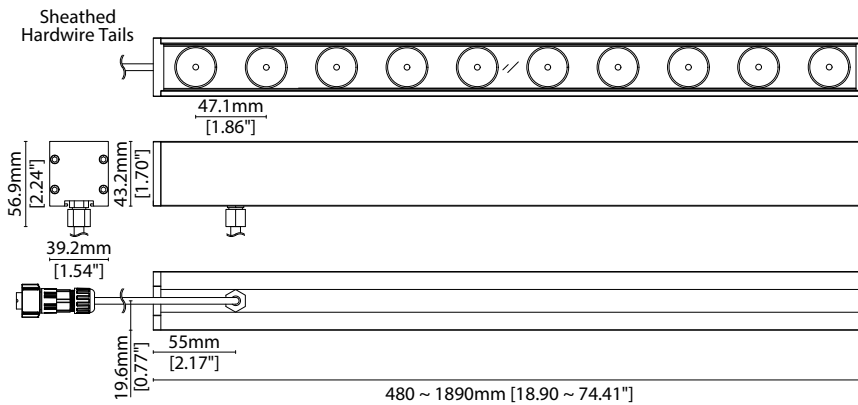


| | |
|-----------------------|---|
| Dimensions | H43.2/W39.2/L480-1890mm (H1.70/W1.54/L18.90-74.41in) |
| PCB Cut-point | 470mm (18.5in) |
| LED Pitch | 47mm - 21LED/m (1.85in - 6LED/ft) |
| Chip | RGB |
| Cover/Optics | 35°/Spread lens (10°x45°)/No lens |
| CCT | Red 618-629nm/Blue 455-465nm/Green 518-535nm |
| LED binning | 17nm tolerance |
| CRI | N/A |
| Lifetime | 50,000 hours @ 25°C (50,000 hours @ 77°F) |
| Operating temp | T _a = -20 to 40°C (T _c max = 60°C) T _a = -4 to 104°F (T _c max = 140°F) |
| IP Rating | IP44/67 |
| Finish | Silver anodised |
| Mounting | Surface mounting via brackets |
| Power feed | Sheathed hardwire tail |
| Control | Integral DMX receiver |



| Power consumption | Supply voltage | Supply current |
|--------------------|----------------|----------------|
| 32.7W/m (9.96W/ft) | 24V DC | 1A/m (0.3A/ft) |

| Clear Cover 35° | Clear Cover Spread lens | Clear Cover No Lens |
|---------------------------|---------------------------|---------------------------|
| Red: 187lm/m (57lm/ft) | Red: 187lm/m (57lm/ft) | Red: 156lm/m (645lm/ft) |
| Green: 774lm/m (236lm/ft) | Green: 774lm/m (236lm/ft) | Green: 645lm/m (197lm/ft) |
| Blue: 43lm/m (13lm/ft) | Blue: 43lm/m (13lm/ft) | Blue: 35lm/m (11lm/ft) |
| RGB: 946lm/m (288lm/ft) | RGB: 946lm/m (288lm/ft) | RGB: 789lm/m (240lm/ft) |



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



SEN CV 047 RGB Code Table



FIXTURE

| Model | Finish | Cover ¹ | Grade | LED | Colour | Length Availability ² | IP | Cable Length | Power Feed ³ | Cable Exit ⁴ | Lens | Control | Input |
|-------|-----------------------|---------------------------------------|-------------|------------|------------|--|---------------------------------------|---------------------------|--|--|---|----------|----------------|
| SEN | SN Silver Anodised | SA Clear Clear+ Micro Louvre | B h K | 047 147 | 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 ⁵ 67 | 1000mm 1000 /39.37" | Single ø6.3mm sheath tail S00B 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 ⁶ SC Spread Lens SL | No lens XX 35° 35 Spread Lens SL | DMX 2 | DC 24V g |

¹ Refer to **Cover Options** on **Options** pages

² Refer to **Length Availability List** or enter total run length instead of length code

³ Refer to **Power Feed Options** on **Options** pages

⁴ Refer to **Cable Exit Options** on **Options** pages

⁵ Due to the clear, flush potted polyurethane top layer on IP67 SEN a colour shift of +/-20K should be expected

⁶ Low adjustable bracket needs side cable exit option

Code Example:

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----|---|-----------------|---|-------|---|---|---|-----|---|-----|---|--------|------|------|----|---------------|------|---------------------------|------|-----------------|----|-----|----|-----|---|--------|---|
| SN | - | SA | - | B | - | h | - | 147 | - | RGB | - | m | 1420 | - | 44 | - | 1000 | - | D00B | - | RC | - | 35 | - | 2 | - | g |
| SEN | | Silver anodised | | Clear | | | | 047 | | 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 |

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

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

* 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 |
|--------|-----|--|---|------|------|----------------|----------------------------|-----------------|
| 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, 1000mA RGB

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SEN CV 047 RGB

Length Availability List

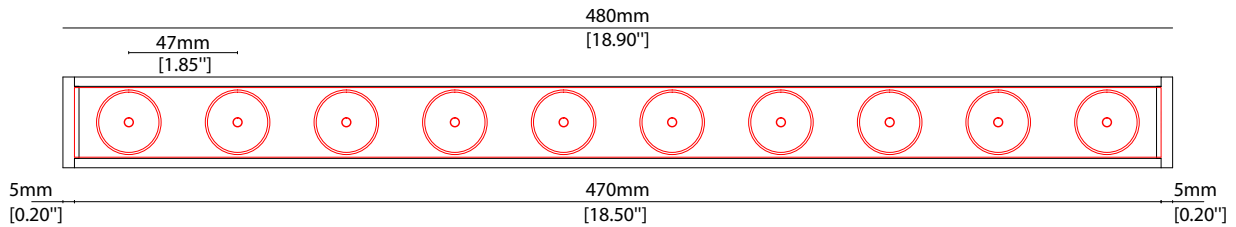


| Length Code | | Fixture Length ¹ | | LED Strip ² | | End Cap Dimension ³ | | Wattage (W) | Output (lm) | | | |
|-------------|--------------|-----------------------------|--------------|------------------------|--------------|--------------------------------|--------------|-------------|-------------|------|-----|------|
| Metric | Imperial(US) | Metric | Imperial(US) | Metric | Imperial(US) | Metric | Imperial(US) | | R | G | B | W |
| m0480 | i0019 | 480mm | 18.90in | 470mm | 18.50in | 10mm | 0.39in | 15.36 | 88 | 364 | 20 | 444 |
| m0715 | i0028 | 715mm | 28.15in | 705mm | 27.76in | 10mm | 0.39in | 30.72 | 176 | 727 | 40 | 889 |
| m0950 | i0037 | 950mm | 37.40in | 940mm | 37.01in | 10mm | 0.39in | 46.08 | 264 | 1091 | 61 | 1333 |
| m1185 | i0047 | 1185mm | 46.65in | 1175mm | 46.26in | 10mm | 0.39in | 61.44 | 351 | 1454 | 81 | 1777 |
| m1420 | i0056 | 1420mm | 55.91in | 1410mm | 55.51in | 10mm | 0.39in | 76.80 | 439 | 1818 | 101 | 2222 |
| m1655 | i0065 | 1655mm | 65.16in | 1645mm | 64.76in | 10mm | 0.39in | 92.16 | 527 | 2181 | 121 | 2666 |
| m1890 | i0074 | 1890mm | 74.41in | 1880mm | 74.02in | 10mm | 0.39in | 107.52 | 615 | 2545 | 141 | 3111 |

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





SEN CV 047 RGB Options

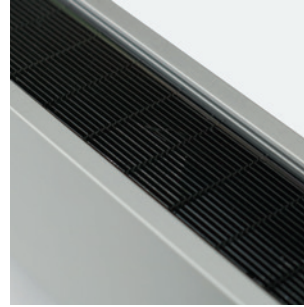
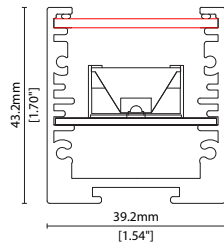


COVER OPTIONS

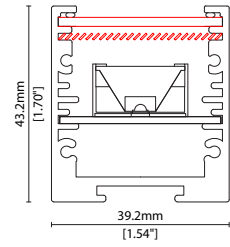
* Options are an integral part of the fixture ordering codes. Please refer to **Code Table** pages.



B Clear



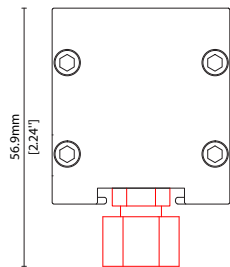
K Clear + Micro Louvre



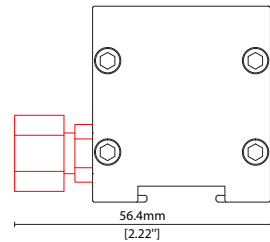
CABLE EXIT OPTIONS



RC Rear cable exit



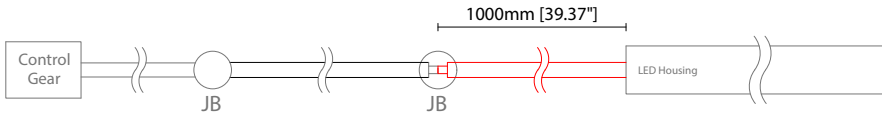
SC Side cable exit



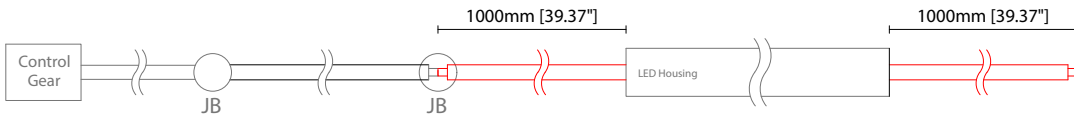
POWER FEED OPTIONS

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

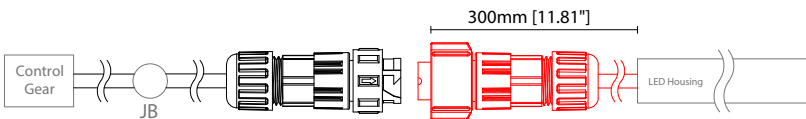
1000 S00B 1000mm (39.37") Single ø6.3mm sheath tail



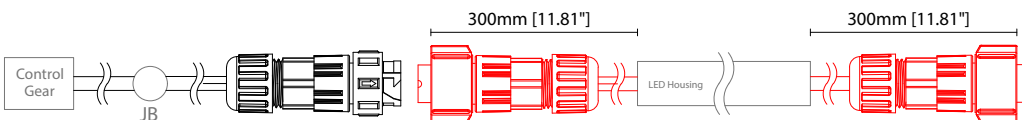
1000 D00B 1000mm (39.37") Double ø6.3mm sheath tail



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

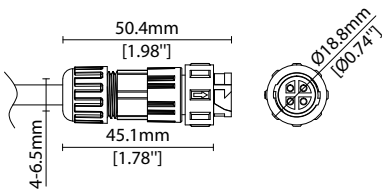


0300 D67B 300mm (11.81") Double ø6.3mm sheath IP67 connector

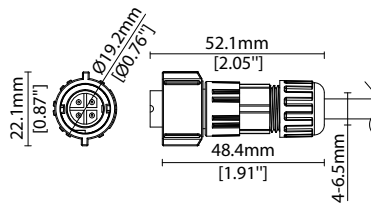


IP67 4 Pin Connector

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 047 RGB Accessories

KKDC

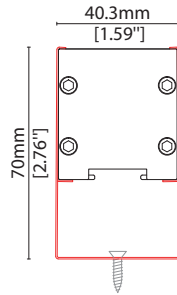
MOUNTING ACCESSORIES

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



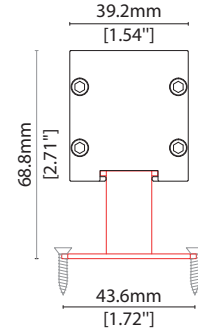
KKCP-12

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



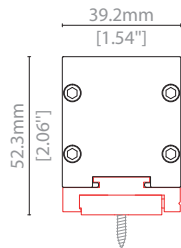
KKBK-02

Fixed bracket (allow 2 per metre/40in)
Steel finish
Pre-assembled for double tail



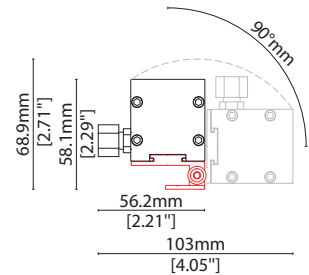
KKBK-09

Mounting plate
(allow 2 per metre/40in – factory fitted)
Silver anodised aluminium finish
Pre-assembled for double tail



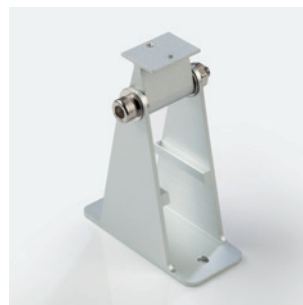
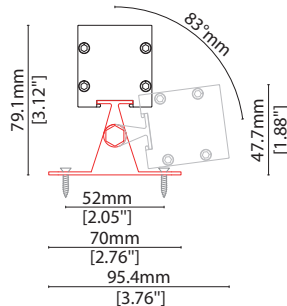
KKBK-23

Low adjustable bracket
(allow 2 per metre/40in)
Silver anodised aluminium finish
Pre-assembled for double tail



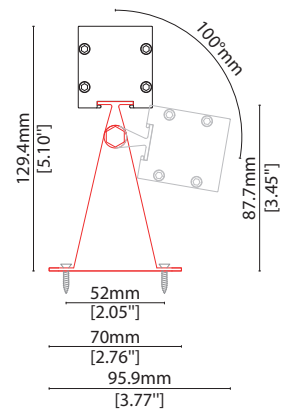
KKBK-16

Small adjustable bracket
(allow 2 per metre/40in)
Silver anodised aluminium finish
Pre-assembled for double tail



KKBK-17

Large adjustable bracket
(allow 2 per metre/40in)
Silver anodised aluminium finish
Pre-assembled for double tail





SEN CV 047 RGB Accessories



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 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 |

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