

High Power

SEN CV 035 Fixture Guide



Indoor/Outdoor | Surface | Output up to 3412lm/m (1040lm/ft)

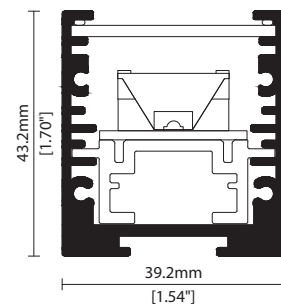


Key applications

- ✓ Building facades
- ✓ Direct lighting
- ✓ Downlighting
- ✓ Exterior
- ✓ Flood lighting
- ✓ Public spaces
- ✓ Retail display
- ✓ 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



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 035

Specification sheet



Dimensions	H43.2/W39.2/L250-2000mm (H1.70/W1.54/L9.84-78.74in) 1250mm (49.21in) max for UL
PCB Cut-point	250mm (9.84in)
LED Pitch	35mm - 28LED/m (1.38in - 9LED/ft)
Chip	h-line
Cover/Optics	10°/20°/30°/Spread lens (10°x45°)/No lens
CCT	h-line: 2700K/3000K/3500K/4000K/5000K (90CRI for 2700K/3000K)
LED binning	h-line: 3-step MacAdam Ellipse h-line: 4-step MacAdam Ellipse(5000K)
CRI	≥ 90 (2700K/3000K) ≥ 80 (3500K/4000K/5000K)
Lifetime	50,000 hours @ 25°C (50,000 hours @ 77°F)
Operating temp	T _a = -25 to 45°C (T _c max = 80°C) T _a = -13 to 113°F (T _c max = 176°F)
IP Rating	IP44/67
Finish	Silver anodised
Mounting	Surface mounting via brackets
Power feed	Sheathed hardwire tails or male/female connectors
Control	1-10V/DMX/DALI



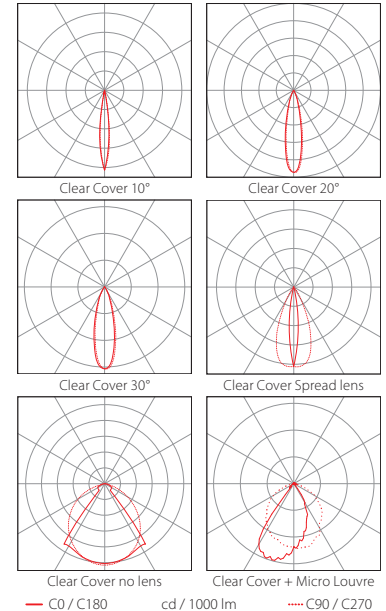
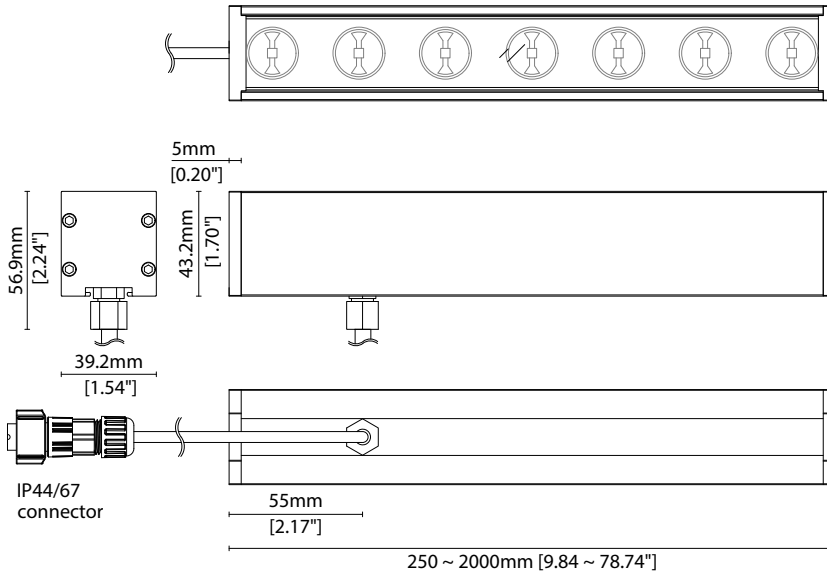
LED Grading Key

Exclusive Grade

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

Power consumption	Supply voltage	Supply current
40W/m (12.19W/ft)	24V DC	1.67A/m (0.51A/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	Rg
h-line	3288lm/m (1002lm/ft) 82.2lm/W	3228lm/m (984lm/ft) 80.7lm/W	3412lm/m (1040lm/ft) 85.3lm/W	3048lm/m (929lm/ft) 76.2lm/W	2684lm/m (818lm/ft) 67.1lm/W	-60% Output when combined with Cover and Lens options	94	64	-	-



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



SEN CV 035

Code Table



FIXTURE

Model	Finish	Lens/Cover ¹	Grade ²	LED	Colour	Length Availability ³	IP	Cable Length	Power Feed ⁴	Cable Exit ⁵	Lens	Input
SEN SN	Silver Anodised SA	Clear B Clear+ Micro louvre K	h h	035	2700K ⁶ 27 3000K ⁶ 30 3500K 35 4000K 40 5000K 50	m 250-2000mm 250mm increments i 9.84-78.74in 9.84in increments (Specify length code OR total run length)	IP44 44 IP67 ⁷ 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 ⁸ SC	No lens ⁹ XX 10° 10 20° 20 30° 30 Spread Lens SL	DC 24V g

¹ Refer to **Cover 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 2700K/3000K – 90CRI

⁷ Due to the clear, flush potted polyurethane top layer on IP67 SEN CV 035 a colour shift of +/-20K should be expected

⁸ Low adjustable bracket needs side cable exit option

⁹ 'No lens' option not available with Micro louvre

Code Example:

SN	-	SA	-	B	-	h	-	035	-	30	-	m	1250	-	44	-	1000	-	D00B	-	RC	-	30	-	g
SEN		Silver anodised		Clear		h		035		3000K		1250mm		IP44		1000mm/39.37"		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

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

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	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)

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

SEN CV 035

Length Availability List

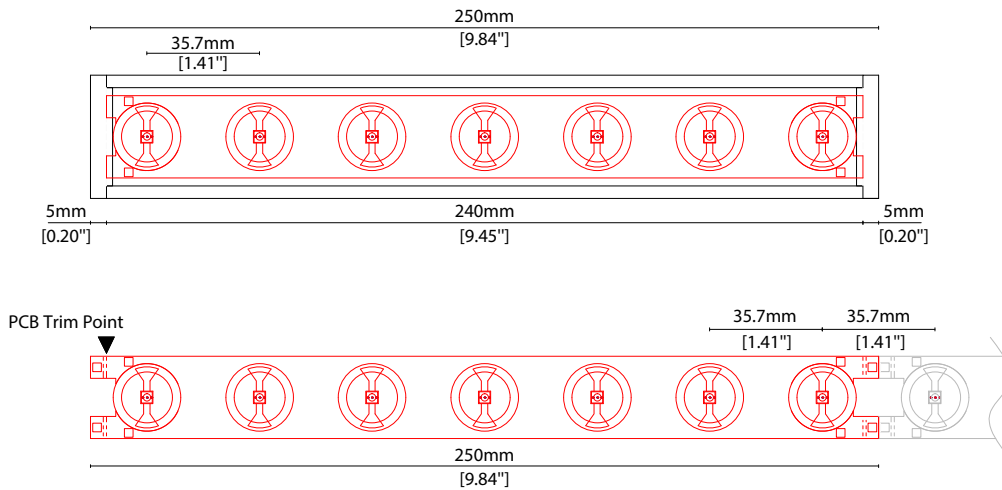


Length Code		Fixture Length ¹		LED Strip ²		End Cap Dimension ³		Wattage (W)	Output (lm) 3000K (Test Data)
Metric	Imperial(US)	Metric	Imperial(US)	Metric	Imperial(US)	Metric	Imperial(US)		
m0250	i0010	250mm	9.84in	240mm	9.45in	10mm	0.39in	12.00	1104
m0500	i0020	500mm	19.69in	490mm	19.29in	10mm	0.39in	24.50	2254
m0750	i0030	750mm	29.53in	740mm	29.13in	10mm	0.39in	37.00	3404
m1000	i0039	1000mm	39.37in	990mm	38.98in	10mm	0.39in	50.00	4600
m1250	i0049	1250mm	49.21in	1240mm	48.82in	10mm	0.39in	62.00	5704
m1500	i0059	1500mm	59.06in	1490mm	58.66in	10mm	0.39in	74.50	6854
m1750	i0069	1750mm	68.90in	1740mm	68.50in	10mm	0.39in	87.00	8004
m2000	i0079	2000mm	78.74in	1990mm	78.35in	10mm	0.39in	99.50	9154

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

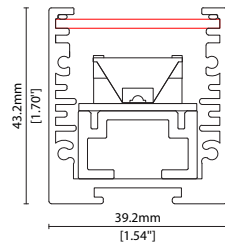
² Actual length of PCB strip

³ Actual length of 2x end caps

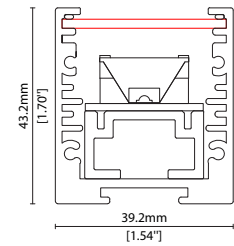


COVER OPTIONS

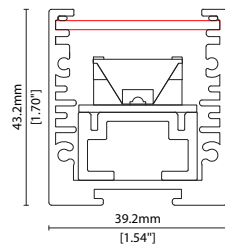
* Options are an integral part of the fixture ordering codes. Please refer to **Code Table** pages.



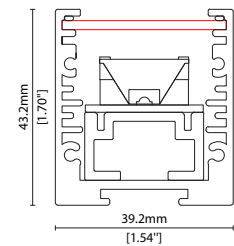
B 10 Clear cover 10° lens
W39.2/H43.2mm (W1.54/H1.70")



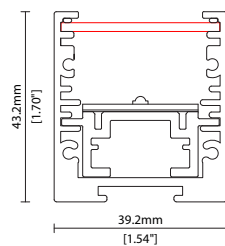
B 20 Clear cover 20° lens
W39.2/H43.2mm (W1.54/H1.70")



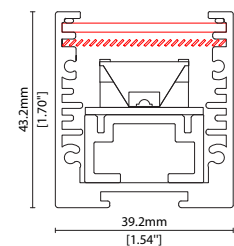
B 30 Clear cover 30° lens
W39.2/H43.2mm (W1.54/H1.70")



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

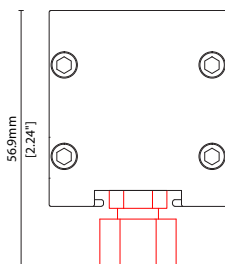


B XX Clear cover no lens
W39.2/H43.2mm (W1.54/H1.70")

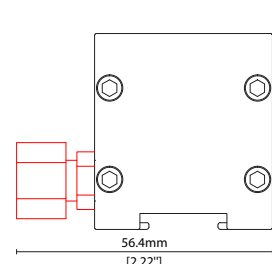


K Clear cover + Micro louvre
W39.2/H43.2mm (W1.54/H1.70")

CABLE EXIT OPTIONS



RC Rear cable exit

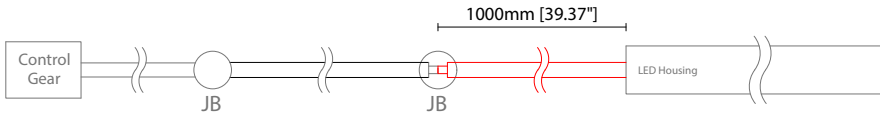


SC Side cable exit

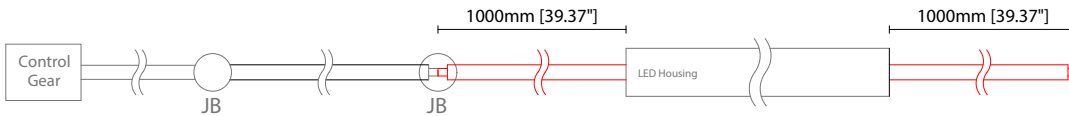
POWER FEED OPTIONS

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

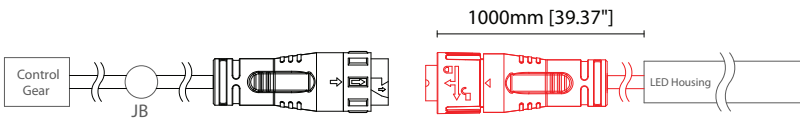
0300 S00B 1000mm (39.37") Single Ø6.3mm sheath tail



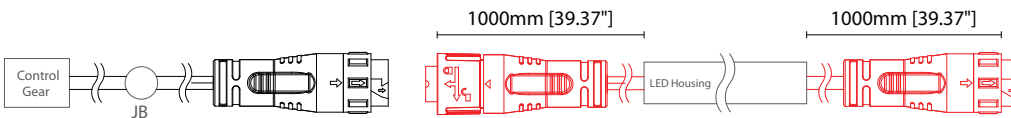
0300 D00B 1000mm (39.37") Double Ø6.3mm sheath tail



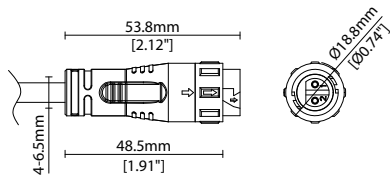
0300 S67B 1000mm (39.37") Single Ø6.3mm sheath connector IP67 (Premoulded)



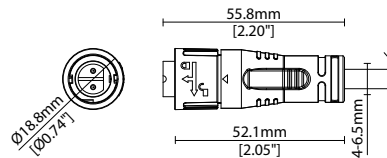
0300 D67B 1000mm (39.37") Double Ø6.3mm sheath connector IP67 (Premoulded)



2 Pin Female Connector IP67 (Premoulded)



2 Pin Male Connector IP67 (Premoulded)



Key

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

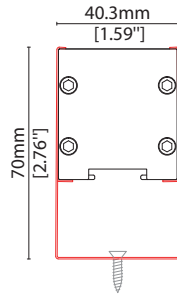
MOUNTING ACCESSORIES

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



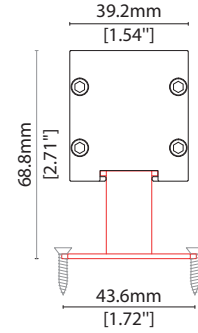
KKCP-12

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



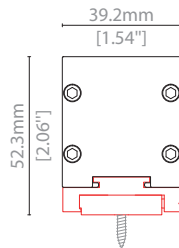
KKBK-02

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



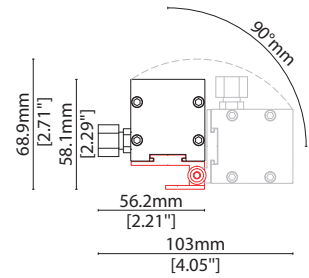
KKBK-09

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



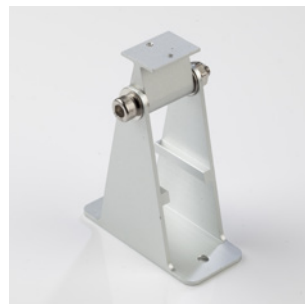
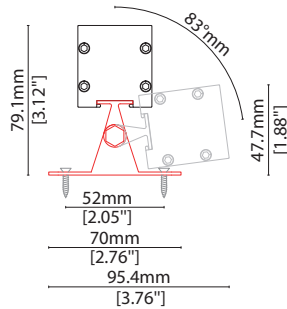
KKBK-23

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



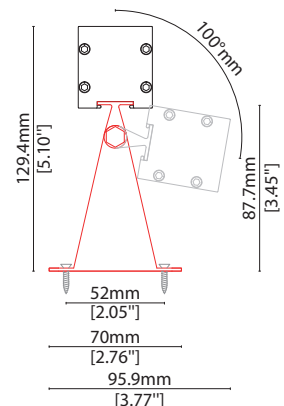
KKBK-16

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





SEN CV 035 Accessories



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)



IP20
Plastic housing
L170/W53.4/H28mm
(L6.69/W2.10/H1.10in)

KKDL-04 DALI-2
visDIM dimmable sub-controller
(4 x 5A max @ 12-36V)



SEN CV 035 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 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

¹ The items shown above cover the most frequently used specification but does not exhaust the possible options

² 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

³ Electrical shop drawing will include detailed information of PSU and relevant control drivers

⁴ Cut sheets are available on the controls section of www.kkdc.lighting or upon request