

High Power

SEN-F CV 035 Fixture Guide



Indoor/Outdoor | Recessed | Max output up to 3610lm/m (1100lm/ft)

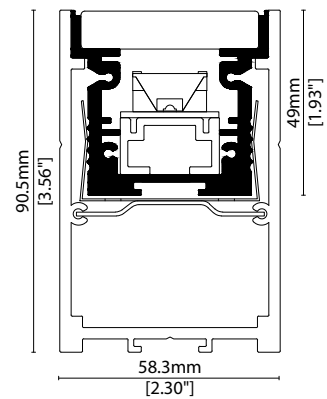


Key applications

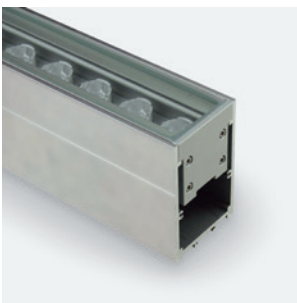
- ✓ Architectural detail
- ✓ Building façades
- ✓ Interior/Exterior
- ✓ Floor
- ✓ Indirect lighting
- ✓ Orientation lighting
- ✓ Public spaces
- ✓ Uplighting
- ✓ Wall grazing

Key features

- ✓ Custom lengths
- ✓ Diffusion: Spotting
- ✓ Direct view
- ✓ Driveover
- ✓ Form factor: Large
- ✓ In-ground walkover
- ✓ IP67
- ✓ Lensed
- ✓ Output max



MOUNTING METHODS



KKCP-12 Lock clip



SEN-F CV 035

Specification sheet



Dimension	H48.9/W52.2/L260-1010mm (H1.93/W2.06/L10.24-39.76in)
PCB increment	250mm (9.84in)
LED pitch	35mm - 28LED/m (1.38in - 9LED/ft)
Chip	h-line Lumileds
Beam angle	10°/20°/30°/Spread lens (10°x45°)/No lens
Colours	h-line White: 2700K/3000K/3500K/4000K/5000K (90CRI for 2700K/3000K)
Bin/Step	h-line 3-step MacAdam Ellipse 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 50°C (T _c max = 90°C) T _a = -13 to 122°F (T _c max = 194°F)
IP rating	IP67
Finish	Silver anodised
Cover/lens	Clear Glass/Frosted Glass/Micro Louvre + Clear Glass
Mounting	Ground Recessed Mounting
Power feed	Sheathed hardwire tails or male/female connectors
Control	1-10V/DMX/DALI



LED Grading Key

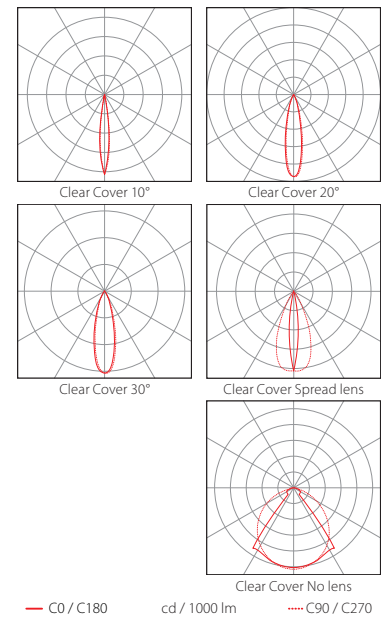
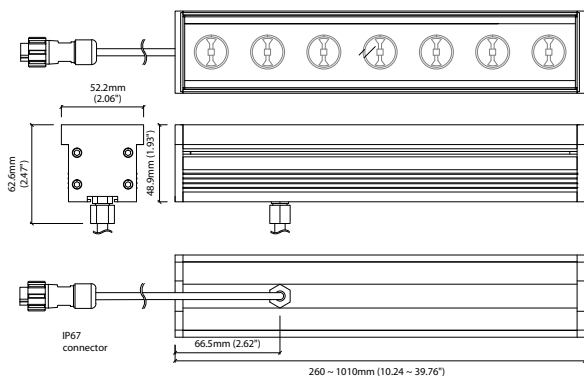
Exclusive Grade

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

PERFORMANCE DATA @ 3000K

Power consumption	Supply voltage	Supply current
67.2 W/m (20.48 W/ft)	24V DC	2.8 A/m (0.85 A/ft)

	Clear Glass 10°	Clear Glass 20°	Clear Glass 30°	Clear Glass Spread Lens	Clear Glass No Lens	CRI	R9	Rf
h-line	3610lm/m (1100lm/ft) 53.7lm/W	3530lm/m (1080lm/ft) 52.5lm/W	3520lm/m (1075lm/ft) 52.3lm/W	3430lm/m (1045lm/ft) 51.1lm/W	2810lm/m (860lm/ft) 41.9lm/W	93	77	



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



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Code Table



FIXTURE

Model	Finish	Cover*	Grade**	LED	Colour (CCT)	Length Availability***	IP	Cable Length	Power Feed****	Lens	Input		
SEN-F	SF Silver Anodised	SA Clear Glass Clear Glass+ Micro Louvre Frosted Glass	E	h	035	2700K (90CRI) 27	m 250-2000mm 250mm increments	IP67	67	1000mm/ 39.37"	S00B Single ø6.3mm sheath tail	XX No lens	DC 24V
					3000K (90CRI) 30								
					3500K (80CRI) 35	i 9.84-78.74in 9.84in increments							
					4000K (80CRI) 40								
					5000K (80CRI) 50								
						(Specify length code OR total run length)							

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

** Refer to **LED Grading Key** on **Specification sheet** page

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

**** Refer to **Power feed Options** on **Options** pages

Code Example:

SF	-	SA	-	L	-	h	-	035	-	30	-	m	1250	-	67	-	1000	-	D00B	-	30	-	g
SEN-F		Silver anodised		Clear Glass+ Micro Louvre		h		035		3000K (90CRI)		1250mm		IP67		1000mm/39.37"		Double ø6.3mm sheath tail		30°		DC 24V	

ACCESSORIES

Mounting Accessories

KKSG-02 Ground box

* Refer to **Mounting options** 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

1-10V/Dali/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	Output	LED	Lumen/m	Lumen/ft	W/m	W/ft	Spec Doc	Length	Increment
Single CCT	Max	035	3610	1100	67.2	20.48	SEN CV 035	250-2000mm/9.84-78.74in	250mm/9.84in

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

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Length Availability List

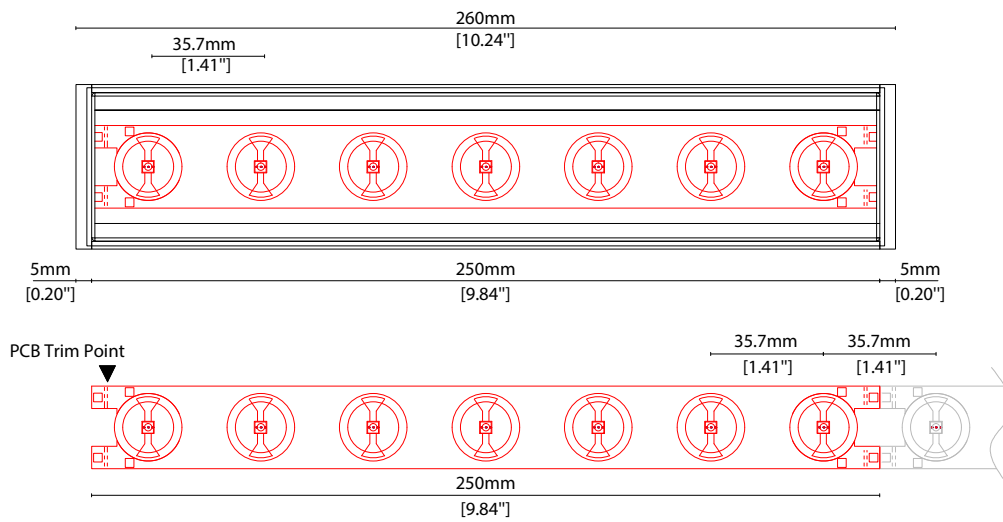


Length Code		Fixture Length ¹		LED Strip ²		End Cap Dimension ³		Wattage (W)	Output (lm)	
Metric	Imperial(US)	Metric	Imperial(US)	Metric	Imperial(US)	Metric	Imperial(US)		3000K (Test Data)	Range Data
m0260	i0010	260mm	10.24in	250mm	9.84in	10mm	0.39in	16.80	902	563-938
m0510	i0020	510mm	20.08in	500mm	19.69in	10mm	0.39in	33.60	1804	1126-1876
m0760	i0030	760mm	29.92in	750mm	29.53in	10mm	0.39in	50.40	2706	1689-2815
m1010	i0040	1010mm	39.76in	1000mm	39.37in	10mm	0.39in	67.20	3609	2253-3753

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



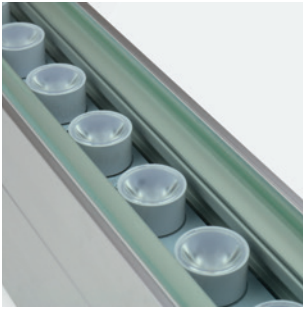


SEN-F CV 035 Options

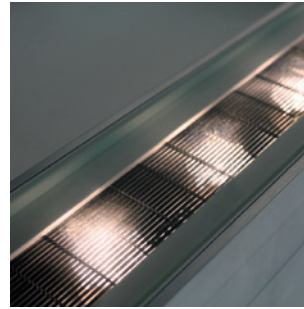
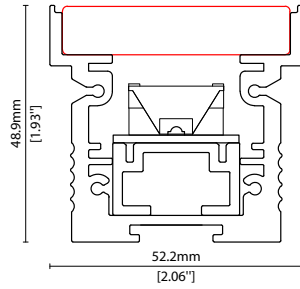


COVER OPTIONS

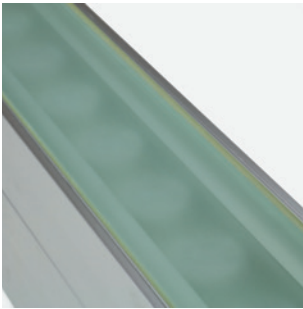
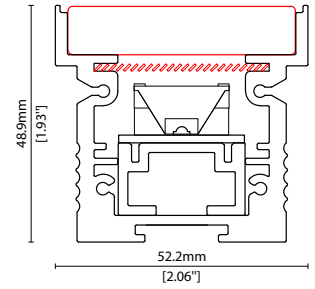
* Options are an integral part of the fixture ordering codes. Please refer to **Code Table** pages.



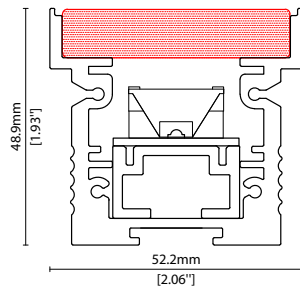
E Clear Glass



L Clear Glass + Micro Louvre



M Frosted Glass





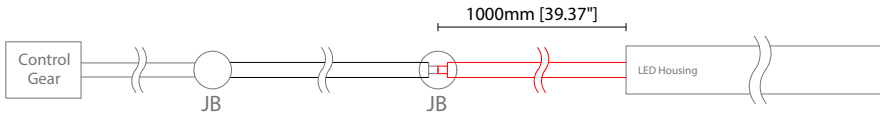
SEN-F CV 035 Options



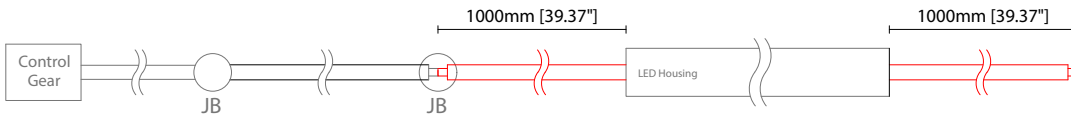
POWER FEED OPTIONS

* 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



Key

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

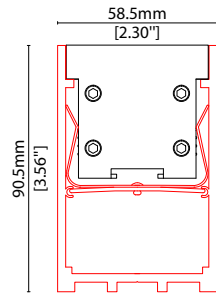


SEN-F CV 035 Accessories



MOUNTING OPTIONS

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



KKSG-02*

Ground box
Anodised aluminium finish

* Specify length to match
SEN-F CV

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-F CV 035

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-05	90-295V	24V	2.5A	60W	100-0.9	IP67/IP20
	HLG-60H-24	KKDM-05	90-295V	24V	2.5A	60W	100-0.9	IP67/IP20
	HLG-100H-24	KKDM-05	90-295V	24V	4.0A	100W	100-0.9	IP67/IP20
	HLG-150H-24	KKDM-05	90-295V	24V	6.3A	150W	100-0.9	IP67/IP20
	HLG-240H-24	KKDM-05	90-295V	24V	10.0A	240W	100-0.9	IP67/IP20
DALI	CEN-60-24	KKDL-02/03	90-295V	24V	2.5A	60W	100-0.1	IP67/IP20
	HLG-60H-24	KKDL-02/03	90-305V	24V	2.5A	60W	100-0.1	IP67/IP20
	HLG-100H-24	KKDL-02/03	90-305V	24V	4.0A	100W	100-0.1	IP67/IP20
	HLG-150H-24	KKDL-02/03	90-305V	24V	6.3A	150W	100-0.1	IP67/IP20
	HLG-240H-24	KKDL-02/03	90-305V	24V	10.0A	240W	100-0.1	IP67/IP20
DMX RGB	CEN-60-24	KKSC-03	90-295V	24V	2.5A	60W	100-0.9	IP67/IP20
	HLG-60H-24	KKSC-03	90-305V	24V	2.5A	60W	100-0.9	IP67/IP20
	HLG-100H-24	KKSC-03	90-305V	24V	4A	100W	100-0.9	IP67/IP20
	HLG-150H-24	KKSC-03	90-305V	24V	6.3A	150W	100-0.9	IP67/IP20
	HLG-240H-24	KKSC-03	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