

High Power

# SEN-F CV 035 Fixture Guide

# KKDÖ

Indoor/Outdoor | Recessed | Output up to 3488lm/m (1063lm/ft)

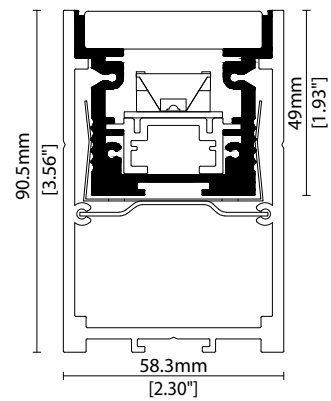


## Key applications

- ✓ Building façades
- ✓ Direct lighting
- ✓ Exterior
- ✓ In ground
- ✓ Public spaces
- ✓ Uplighting
- ✓ Wall grazing
- ✓ Wet area

## Key features

- ✓ Constant Voltage (CV)
- ✓ Diffusion: spotting
- ✓ In ground driveover
- ✓ In ground walkover
- ✓ IP67 waterproof
- ✓ Lens options



## MOUNTING METHODS



KKSG-02 Ground box



# SEN-F CV 035

## Specification sheet



<b>Dimensions</b>	H48.9/W52.2/L260-1010mm (H1.93/W2.06/L10.24-39.76in)
<b>PCB Cut-point</b>	250mm (9.84in)
<b>LED Pitch</b>	35mm - 28LED/m (1.38in - 9LED/ft)
<b>Chip</b>	<b>h-line</b>
<b>Cover/Optics</b>	10°/20°/30°/Spread lens (10°x45°)/No lens
<b>CCT</b>	<b>h-line White:</b> 2700K/3000K/3500K/4000K/5000K (90CRI for 2700K/3000K)
<b>LED binning</b>	<b>h-line:</b> 3-step MacAdam Ellipse <b>h-line:</b> 4-step MacAdam Ellipse(5000K)
<b>CRI</b>	≥ 90 (2700K/3000K) ≥ 80 (3500K/4000K/5000K)
<b>Lifetime</b>	50,000 hours @ 25°C (50,000 hours @ 77°F)
<b>Operating temp</b>	T <sub>a</sub> = -25 to 45°C (T <sub>c</sub> max = 80°C) T <sub>a</sub> = -13 to 113°F (T <sub>c</sub> max = 176°F)
<b>IP Rating</b>	IP67
<b>Finish</b>	Silver anodised
<b>Mounting</b>	Ground Recessed Mounting
<b>Power feed</b>	Sheathed hardwire tails
<b>Control</b>	1-10V/DMX/DALI



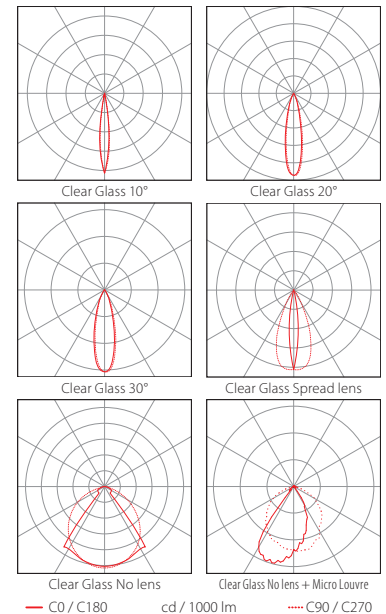
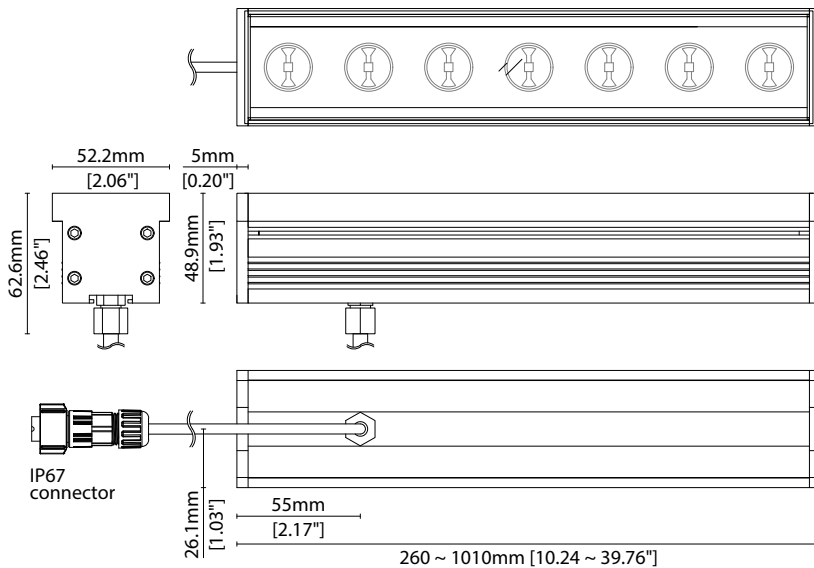
### LED Grading Key

#### Exclusive Grade

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

<b>Power consumption</b>	<b>Supply voltage</b>	<b>Supply current</b>
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
<b>h-line</b>	3356lm/m (1023lm/ft)	3332lm/m (1016lm/ft)	3488lm/m (1063lm/ft)	3148lm/m (960lm/ft)	3000lm/m (914lm/ft)	-60% Output when combined with Cover and Lens options	94	65	-	-
	83.9lm/W	83.3lm/W	87.2lm/W	78.7lm/W	75lm/W					



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



# SEN-F CV 035

## Code Table



### FIXTURE

Model	Finish	Cover/Lens <sup>1</sup>	Grade <sup>2</sup>	LED	Colour (CCT)	Length Availability <sup>3</sup>	IP	Cable Length	Power Feed <sup>4</sup>	Lens	Input				
SEN-F	SF Silver Anodised	SA Clear Glass Clear Glass+ Micro louvre	E h	h	035	2700K (90CRI) 27	m 250-2000mm 250mm increments	IP67	67	1000mm/ 39.37"	S00B Single ø6.3mm sheath tail	XX DC 24V			
						3000K (90CRI) 30							10° 10		
						3500K (80CRI) 35	i 9.84-78.74in 9.84in increments							20° 20	
						4000K (80CRI) 40									30° 30
						5000K (80CRI) 50	(Specify length code OR total run length)								

<sup>1</sup> Refer to **Cover/Lens Options** on **Options** pages

<sup>2</sup> Refer to **LED Grading Key** on **Specification sheet** page

<sup>3</sup> Refer to **Length Availability List** or enter total run length instead of length code

<sup>4</sup> 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 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

1-10V/DALI/DMX

\* Refer to **Driver/PSU Options** page for details or provide requirement and KKDC to offer the suitable option

# SEN-F CV 035

## Length Availability List

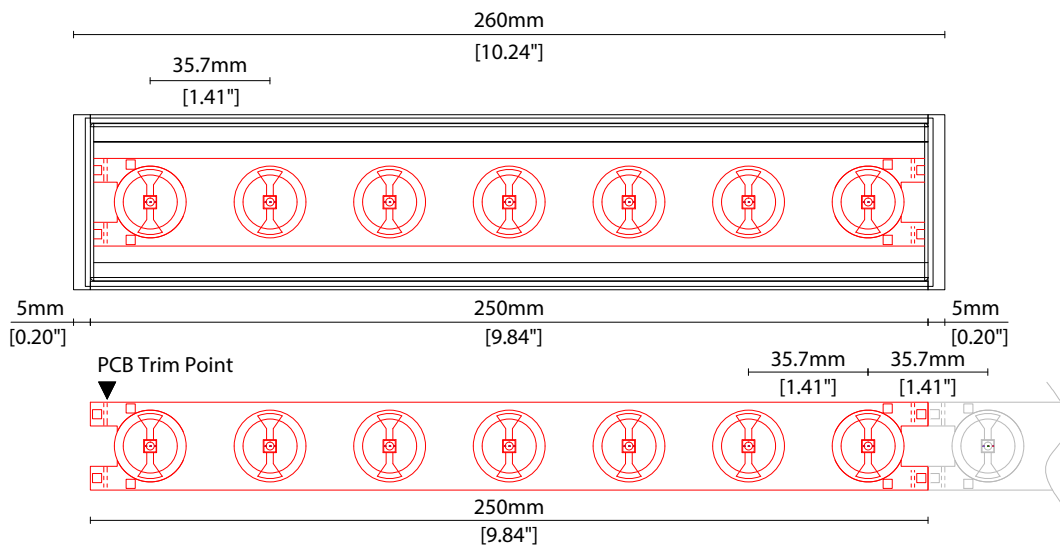


Length Code		Fixture Length <sup>1</sup>		LED Strip <sup>2</sup>		End Cap Dimension <sup>3</sup>		Wattage (W)	Output (lm)
Metric	Imperial(US)	Metric	Imperial(US)	Metric	Imperial(US)	Metric	Imperial(US)		3000K (Test Data)
m0260	i0010	260mm	10.24in	250mm	9.84in	10mm	0.39in	12.50	1099
m0510	i0020	510mm	20.08in	500mm	19.69in	10mm	0.39in	25.00	2198
m0760	i0030	760mm	29.92in	750mm	29.53in	10mm	0.39in	37.50	3296
m1010	i0040	1010mm	39.76in	1000mm	39.37in	10mm	0.39in	50.00	4395

<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

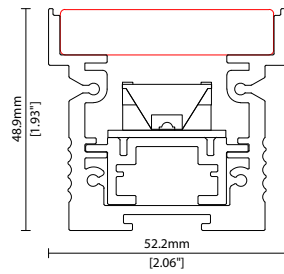


### COVER LENS OPTIONS

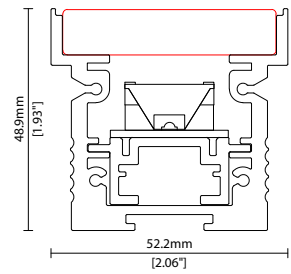
\* Options are an integral part of the fixture ordering codes. Please refer to **Code Table** pages.



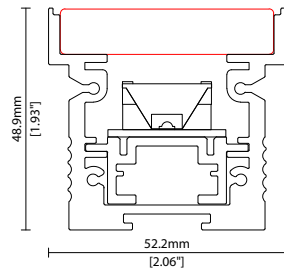
**E 10** Clear glass 10° lens  
W52.5/H48.9mm (W2.06/H1.93")



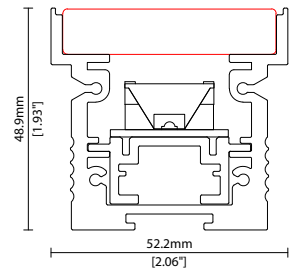
**E 20** Clear glass 20° lens  
W52.5/H48.9mm (W2.06/H1.93")



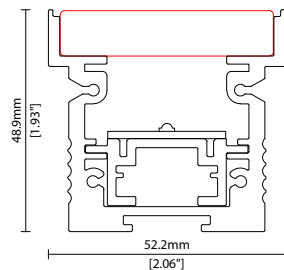
**E 30** Clear glass 30° lens  
W52.5/H48.9mm (W2.06/H1.93")



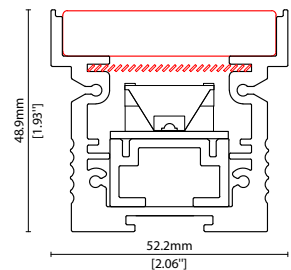
**E SL** Clear glass + Spread lens  
W52.5/H48.9mm (W2.06/H1.93")



**E XX** Clear glass No lens  
W52.5/H48.9mm (W2.06/H1.93")



**L** Clear glass + Micro louvre  
W52.5/H48.9mm (W2.06/H1.93")





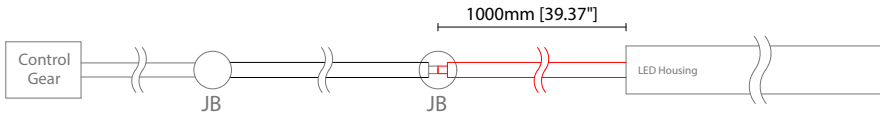
# SEN-F CV 035 Options



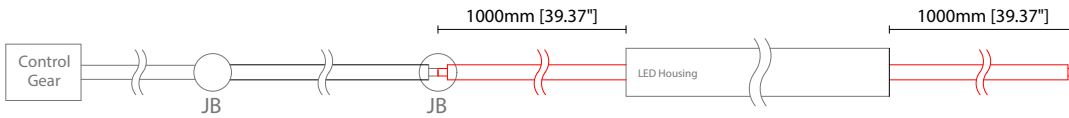
## POWER FEED OPTIONS

\* 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

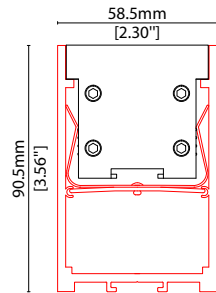


# SEN-F CV 035 Accessories



## MOUNTING ACCESSORIES

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-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	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-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

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

<sup>2</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>3</sup> Electrical shop drawing will include detailed information of PSU and relevant control drivers

<sup>4</sup> Cut sheets are available on the controls section of [www.kkdc.lighting](http://www.kkdc.lighting) or upon request