

High Power

SEN-F CC 033 Fixture Guide

KKDÖ

Indoor/Outdoor | Recessed | Max output up to 3624lm/m (1105lm/ft)

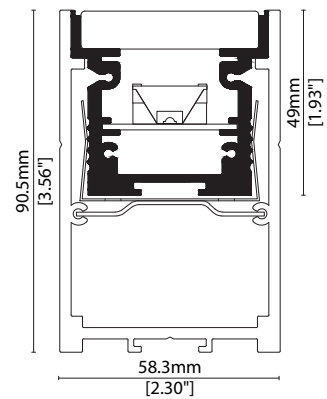


Key applications

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

Key features

- ✓ Custom lengths
- ✓ Diffusion: Spotting
- ✓ Direct view
- ✓ Form factor: Large
- ✓ In-ground walk/driveover
- ✓ IP67
- ✓ Lensed
- ✓ Output max



MOUNTING METHODS



KKSG-02 Ground box



SEN-F CC 033

Specification sheet



Dimension	H48.9/W52.2/L210-1010mm (H1.93/W2.06/L8.27-39.76in)
PCB increment	100mm (3.94in)
LED pitch	33mm - 30LED/m (1.30in - 9.1LED/ft)
Chip	hcc-line CREE/Lumileds
Beam angle	10°/20°/30°/60°/Spread lens (10°x45°)/No lens
Colours	hcc-line White: 2700K/3000K/3500K/4000K/5000K hcc-line Single colours: Red/Green/Blue
Bin/Step	hcc-line 3-step MacAdam Ellipse
CRI	80 (2700K-4000K)/75 (5000K)
Lifetime	50,000 hours @ 25°C (50,000 hours @ 77°F)
Operating temp	350mA: $T_a = -25^{\circ}\text{C}$ to 70°C ($T_c \text{ max} = 76^{\circ}\text{C}$) $T_a = -13$ to 158°F ($T_c \text{ max} = 168.8^{\circ}\text{F}$) 700mA: $T_a = -25^{\circ}\text{C}$ to 40°C ($T_c \text{ max} = 57^{\circ}\text{C}$) $T_a = -13$ to 104°F ($T_c \text{ max} = 134.6^{\circ}\text{F}$)
IP rating	IP67
Finish	Silver anodised
Cover/lens	Clear Glass/Frosted Glass/Micro Louvre + Clear Glass
Mounting	Ground Recessed Mounting
Power feed	Sheathed hardwire tail
Control	0-10V/1-10V/DMX/DALI via. External power supply options



LED Grading Key

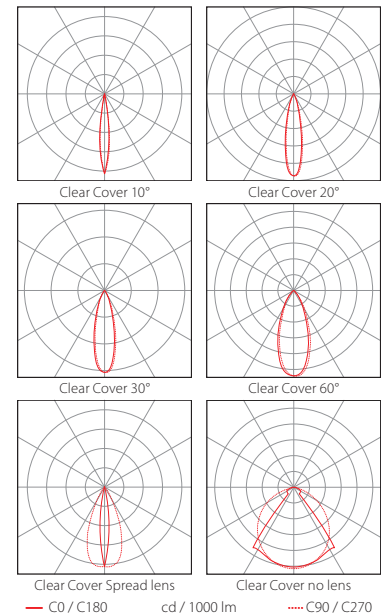
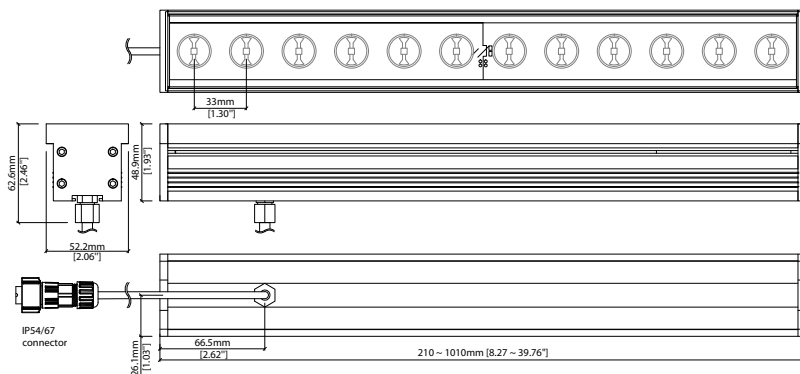
Exclusive Grade

hcc-line*	*KKDC tuned CCT range
Constant Current Lensed	
High Power LED	
3-step CCT range	

PERFORMANCE DATA @ 3000K

Power consumption	Supply voltage	Supply current
TYP. 32.025W/m (9.76W/ft) @ 350mA TYP. 69.3W/m (21.12W/ft) @ 700mA	TYP. 91.5V/m (27.9V/ft) @ 350mA TYP. 99.0V/m (30.2V/ft) @ 700mA	0.35/0.7A/m (0.107/0.213A/ft)

	Clear Glass 10°	Clear Glass 20°	Clear Glass 30°	Clear Glass 60°	Clear Glass Spread Lens	Clear Glass No Lens	Clear Glass + Micro Louvre	CRI	R9	Rf	Rg
hcc-line	2136lm/m (651lm/ft) 67.7lm/W @ 3000K, 350mA	2146lm/m (654lm/ft) 67lm/W @ 3000K, 350mA	2008lm/m (612lm/ft) 62.7lm/W @ 3000K, 350mA	2235lm/m (681lm/ft) 69.8lm/W @ 3000K, 350mA	2050lm/m (625lm/ft) 64lm/W @ 3000K, 350mA	1726lm/m (526lm/ft) 53.9lm/W @ 3000K, 350mA	-60% Output when combined with Cover and Lens options	-	-	-	-
	3465lm/m (1056lm/ft) 50lm/W @ 3000K, 700mA	3479lm/m (1060lm/ft) 50.2lm/W @ 3000K, 700mA	3264lm/m (995lm/ft) 47.1lm/W @ 3000K, 700mA	3624lm/m (1105lm/ft) 52.3lm/W @ 3000K, 700mA	3326lm/m (1014lm/ft) 48lm/W @ 3000K, 700mA	2800lm/m (853lm/ft) 40.4lm/W @ 3000K, 700mA	-60% Out put when combined with Cover and Lens options	-	-	-	-



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



SEN-F CC 033

Code Table



FIXTURE

Model	Finish	Cover ¹	Grade ²	LED	Colour (CCT)	Length Availability ³	IP	Cable Length	Power Feed ⁴	Lens	Input															
SEN-F	SF	Silver Anodised SA	Clear Glass E	h ^{SC} h	033	2700K 27	m 210-1010mm 100mm increments	IP67	67	1000mm/ 39.37"	1000	Single ø6.3mm sheath tail S00B	No lens XX	Constant current (DC) a												
						3000K 30																				
						3500K 35	i 8.27-39.76in 3.94in increments																			
						4000K 40																				
						5000K 50																				
							Frosted Glass M										RED RED	(Specify length code OR total run length)								
																	GREEN GRN									
					BLUE BLU																					

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

Code Example:

SF	-	SA	-	L	-	h	-	033	-	30	-	m	610	-	67	-	1000	-	D00B	-	30	-	a	
SEN-F		Silver Anodised		Clear Glass+Micro Louvre		h ^{SC}		033		3000K		610mm		IP67		1000mm/39.37"		Double ø6.3mm sheath tail		D00B		30°		Constant current (DC)

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

0-10V/1-10V/DALI/DMX via External power supply options

* 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	033	3624	1105	69.3	21.12	SEN-F CC 033	210-1010mm (8.27-39.76in)	100mm (3.94in)
	Max	050	2611	796	46.2	14.08	SEN-F CC 050	210-1010mm (8.27-39.76in)	100mm (3.94in)
	High	100	1287	392	23.1	7.04	SEN-F CC 100	210-1010mm (8.27-39.76in)	100mm (3.94in)

* Performance data: hcc-line, clear glass 60°, 700mA, 3000K

High Power

SEN-F CC 033 (350mA) Length Availability List

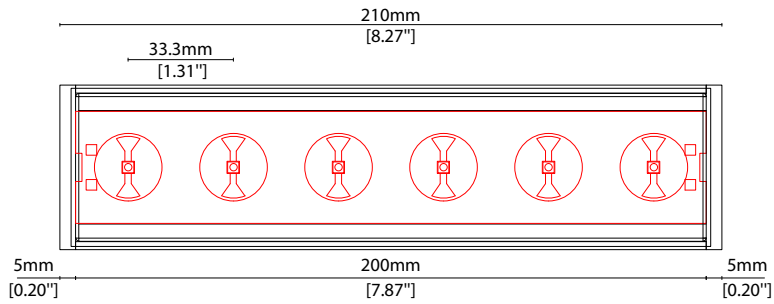


Length Code		Fixture Length ¹		LED Strip ²		End Cap Dimension ³		Wattage (W)	Output (lm)	
Metric	Imperial(US)	Metric	Imperial(US)	Metric	Imperial(US)	Metric	Imperial(US)		3000K (Test Data)	Range Data
m0210	i0008	210mm	8.27in	200mm	7.87in	10mm	0.39in	6.40	447	166-465
m0310	i0012	310mm	12.20in	300mm	11.81in	10mm	0.39in	9.60	670	248-697
m0410	i0016	410mm	16.14in	400mm	15.75in	10mm	0.39in	12.80	893	331-929
m0510	i0020	510mm	20.08in	500mm	19.69in	10mm	0.39in	16.00	1117	414-1161
m0610	i0024	610mm	24.02in	600mm	23.62in	10mm	0.39in	19.20	1340	497-1394
m0710	i0028	710mm	27.95in	700mm	27.56in	10mm	0.39in	22.40	1564	580-1626
m0810	i0032	810mm	31.89in	800mm	31.50in	10mm	0.39in	25.60	1787	662-1858
m0910	i0036	910mm	35.83in	900mm	35.43in	10mm	0.39in	28.80	2010	745-2091
m1010	i0040	1010mm	39.76in	1000mm	39.37in	10mm	0.39in	32.00	2234	828-2323

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-F CC 033 (700mA) Length Availability List

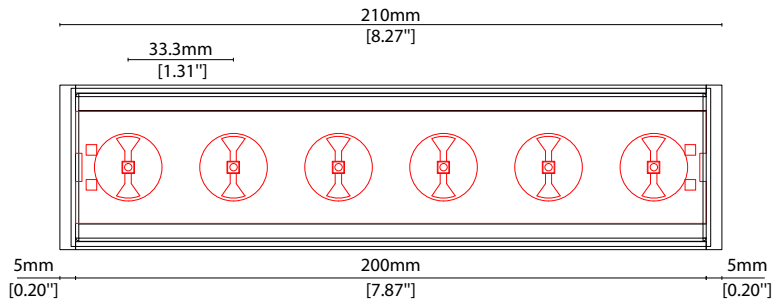


Length Code		Fixture Length ¹		LED Strip ²		End Cap Dimension ³		Wattage (W)	Output (lm)	
Metric	Imperial(US)	Metric	Imperial(US)	Metric	Imperial(US)	Metric	Imperial(US)		3000K (Test Data)	Range Data
m0210	i0008	210mm	8.27in	200mm	7.87in	10mm	0.39in	13.86	725	313-754
m0310	i0012	310mm	12.20in	300mm	11.81in	10mm	0.39in	20.79	1087	470-1131
m0410	i0016	410mm	16.14in	400mm	15.75in	10mm	0.39in	27.72	1450	627-1508
m0510	i0020	510mm	20.08in	500mm	19.69in	10mm	0.39in	34.65	1812	783-1885
m0610	i0024	610mm	24.02in	600mm	23.62in	10mm	0.39in	41.58	2175	940-2262
m0710	i0028	710mm	27.95in	700mm	27.56in	10mm	0.39in	48.51	2537	1097-2639
m0810	i0032	810mm	31.89in	800mm	31.50in	10mm	0.39in	55.44	2900	1253-3015
m0910	i0036	910mm	35.83in	900mm	35.43in	10mm	0.39in	62.37	3262	1410-3392
m1010	i0040	1010mm	39.76in	1000mm	39.37in	10mm	0.39in	69.30	3624	1567-3769

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



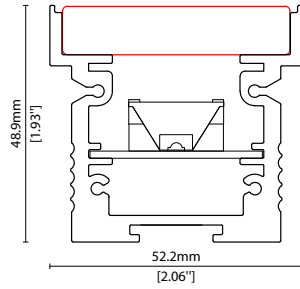


SEN-F CC 033 Options

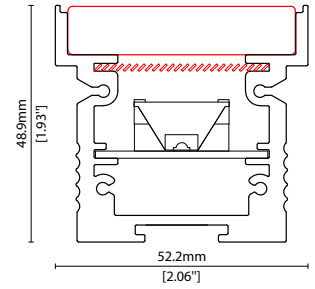
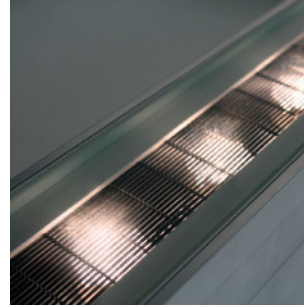


COVER OPTIONS

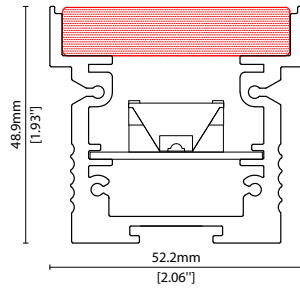
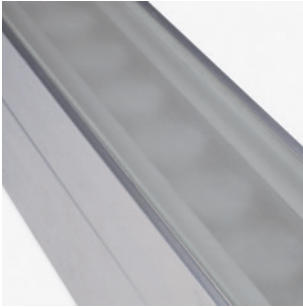
* Options are an integral part of the fixture ordering codes. Please refer to **Code Table** pages.



E Clear Glass



L Clear Glass + Micro Louvre

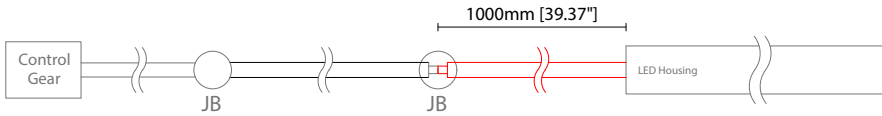


M Frosted Glass

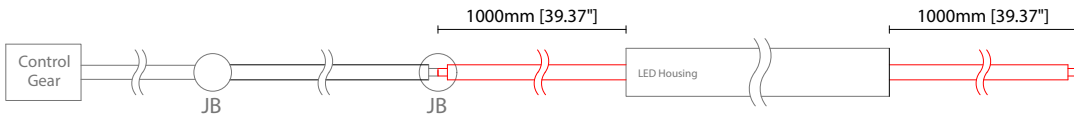
POWER FEED OPTIONS

* 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

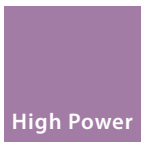


1000 D00B 1000mm (39.37") Double ø6.3mm sheath tail



Key

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

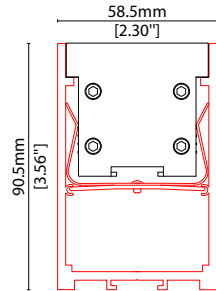
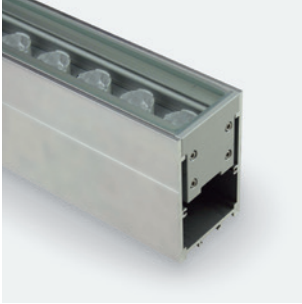


SEN-F CC 033 Accessories



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

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 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	HLG-60H-C350A	90-305V	100V-200V	0.35A	70W	-	IP65
	HLG-60H-C700A	90-305V	50V-100V	0.7A	70W	-	IP65
	HLG-80H-C350A	90-305V	128V-257V	0.35A	90W	-	IP65
	HLG-80H-C700A	90-305V	64V-129V	0.7A	90W	-	IP65
	HLG-120H-C350A	90-305V	215-430V	0.35A	150W	-	IP65
	HLG-120H-C700A	90-305V	107V-215V	0.7A	150W	-	IP65
	HLG-185H-C700A	90-305V	143V-286V	0.7A	199W	-	IP65
0-10V (1-10V)	HLG-60H-C350B	90-305V	100V-200V	0.35A	70W	-	IP67
	HLG-60H-C700B	90-305V	50V-100V	0.7A	70W	-	IP67
	HLG-80H-C350B	90-305V	128V-257V	0.35A	90W	-	IP67
	HLG-80H-C700B	90-305V	64V-129V	0.7A	90W	-	IP67
	HLG-120H-C350B	90-305V	215-430V	0.35A	150W	-	IP67
	HLG-120H-C700B	90-305V	107V-215V	0.7A	150W	-	IP67
	HLG-185H-C700B	90-305V	143V-286V	0.7A	199W	-	IP67
DMX	POWERdrive 1060/A	120 - 277V	2V-57V	0.35A, 0.7A	100W	-	-
	POWERdrive 106/M	120 - 277V	2V-57V	0.35A, 0.7A	100W	-	-
	POWERdrive 106/S	120 - 277V	2V-57V	0.35A, 0.7A	100W	-	-
	POWERdrive 1061/M	120 - 277V	2V-57V	0.35A, 0.7A	100W	-	-
	POWERdrive 1061/S	120 - 277V	2V-57V	0.35A, 0.7A	100W	-	-
DALI	ELG-100-C350DA	180-295V	143-286V	0.35A	100W	-	IP67
	ELG-100-C700DA	180-295V	71-143V	0.7A	100W	-	IP67
	ELG-150-C700DA	180-295V	150-300V	0.7A	150W	-	IP67