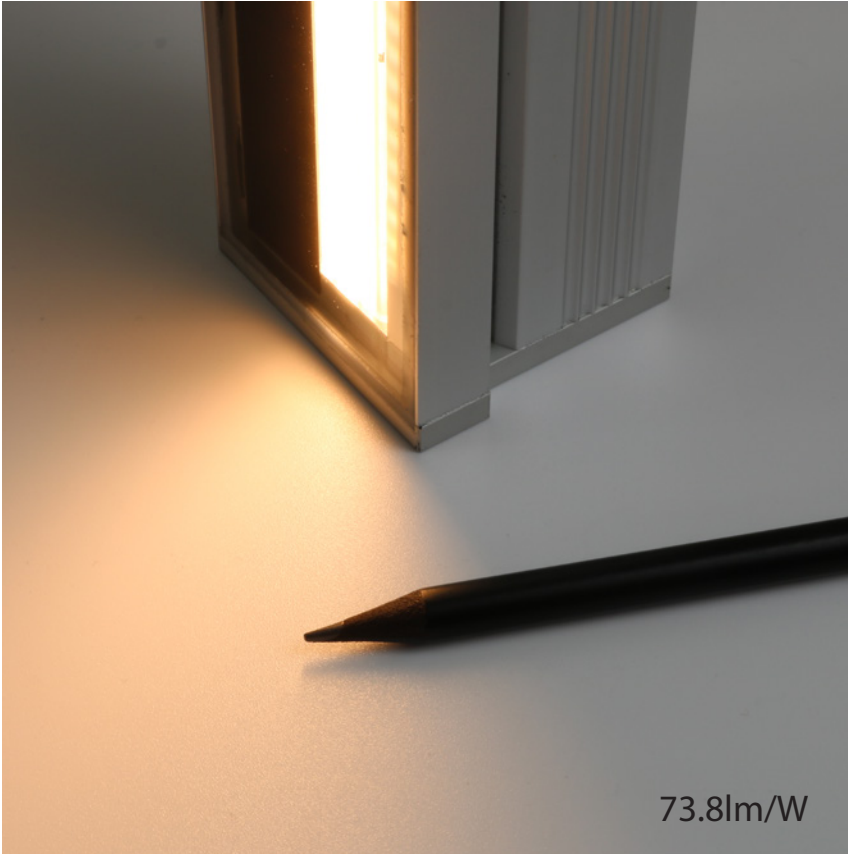


Linear

SEN-F Asymmetric A040 (40W) Fixture Guide

KKDÖ

Exterior | Surface | Output up to 2952lm/m (900lm/ft)

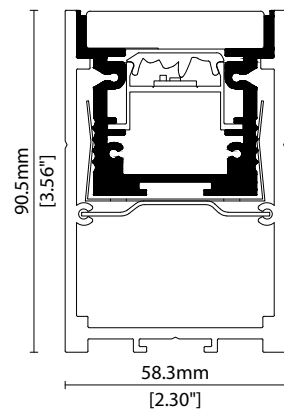


Key applications

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

Key features

- ✓ A-line (High Efficacy)
- ✓ Asymmetric lens
- ✓ Constant Voltage (CV)
- ✓ Diffusion: homogenous
- ✓ Direct view
- ✓ High lumen efficacy
- ✓ In ground driveover
- ✓ In ground walkover
- ✓ IP67 waterproof
- ✓ Lens options



MOUNTING METHODS



KKSG-02 Ground box

Linear

SEN-F Asymmetric A040 (40W)

Specification sheet



Dimensions	H48.9/W52.2/L510/1010mm (H1.92/W2.05/L20.07-39.76in)
PCB Cut-point	500mm increment/1000mm max (19.69in increment/39.37in max)
LED Pitch	4.8mm - 208LED/m (0.19in - 64LED/ft)
Chip	A-line
Cover/Optics	Clear glass + KKLN-A1 Asymmetric lens (Beam tilt 25°, Beam angle 50°)
CCT	A-line: 2700K/3000K/4000K
LED binning	A-line: 3-step MacAdam ellipse
CRI	93
Lifetime	50,000 hours @ 25°C (50,000 hours @ 77°F)
Operating temp	T _a = -20 to 50°C (T _c max = 75.6°C) T _a = -13 to 122°F (T _c max = 168°F)
IP Rating	IP67
Finish	Silver anodised
Mounting	Ground Recessed Mounting
Power feed	Sheathed hardwire tails or male/female connectors
Control	0-10V/1-10V/DMX/DALI



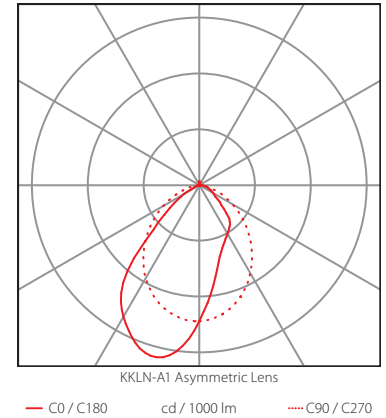
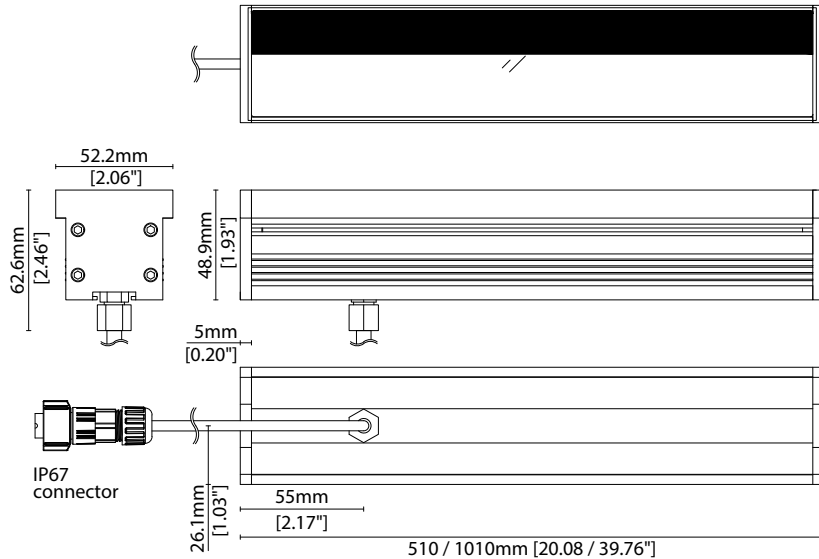
LED Grading Key

Exclusive Grade	*KKDC tuned CCT range
A-line*	CCT range
3-step CCT range	
KKDC highest lumen efficacy LED	

Power consumption	Supply voltage	Supply current
40W/m (12.19W/ft)	24V DC	1.67A/m (0.51A/ft)

Performance Data (3000K)

	R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	
A-line	93	95	95	93	92	93	94	85	65	87	93	75	93	97	
Clear + KKLN-A1															
												CRI	R9	Rf	Rg
A-line	2952lm/m (900lm/ft) 73.8lm/W											93	65	-	-



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

Linear

SEN-F Asymmetric A040 (40W) Code Table



FIXTURE

Model	Finish	Cover/Lens ¹	Grade ²	LED	Colour (CCT)	Length Availability ³	IP	Cable Length	Power Feed ⁴	Input										
SEN-F	SF	Silver Anodised	SA	Clear + KKLN-A1 (Asymmetric lens)	EA1	A-	A	A040	2700K	27	m	510/1010mm	IP44	44	300mm (11.81in)	0300	Single ø6.3mm sheath tail	S00B	DC 24V	g
									3000K	30	i	20.08-39.76in	IP67 ⁵	67			Double ø6.3mm sheath tail	D00B		
									4000K	40	(Specify length code OR total run length)						Single ø6.3mm sheath IP67 Male connector	S67B		

¹ Refer to **Cover/lens 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 Due to the clear, flush potted polyurethane top layer on IP67 SEN Asymmetric a colour shift of +/- 20K should be expected

Code Example:

SF	-	SA	-	EA1	-	A-	-	A	-	A040	-	30	-	m	-	510	-	67	-	0300	-	D67B	-	g
SEN Asymmetric		Silver Anodised		KKLN-A1 (Asymmetric lens)		A-		A040		3000K		510mm		IP67		300mm (11.81in)		Double ø6.3mm sheath IP67 connector		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

Linear

SEN-F Asymmetric A040 (40W) Length Availability List

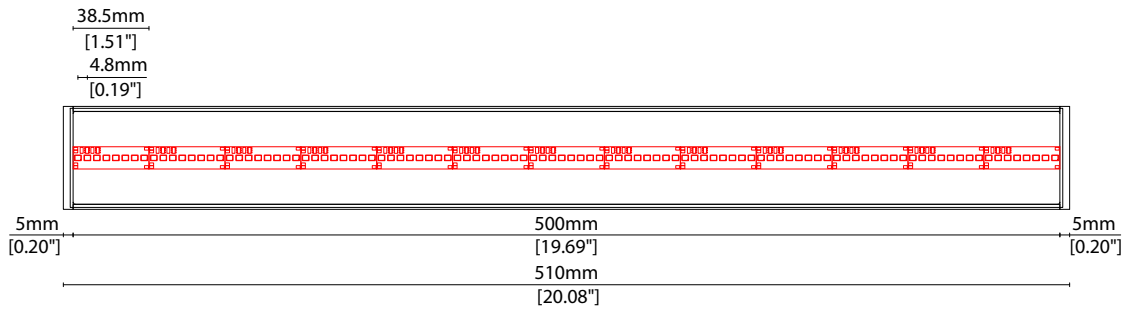


Length Code		Fixture Length ¹		LED Strip ²		End Cap Dimension ³		Wattage (W)	Output (lm)
Metric	Imperial(US)	Metric	Imperial(US)	Metric	Imperial(US)	Metric	Imperial(US)		3000K (Test Data)
m0520	i0020	510mm	20.08in	500mm	19.69in	10mm	0.39in	20.00	1820
m1020	i0040	1010mm	39.76in	1000mm	39.37in	10mm	0.39in	40.00	3640

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



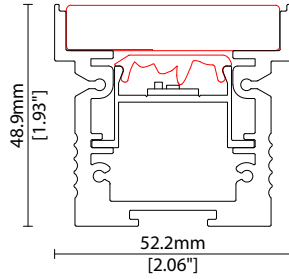
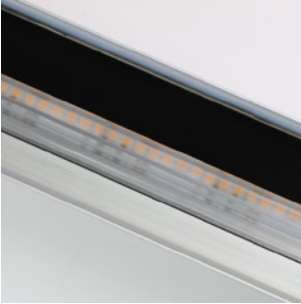
Linear

SEN-F Asymmetric A040 (40W) Options

KKDC

COVER/LENS OPTIONS

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

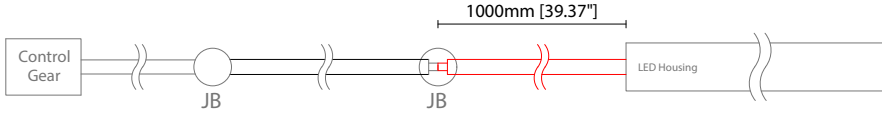


EA1 Clear + KKLN-A1 Asymmetric
W13/H16mm (W0.51/H0.63")

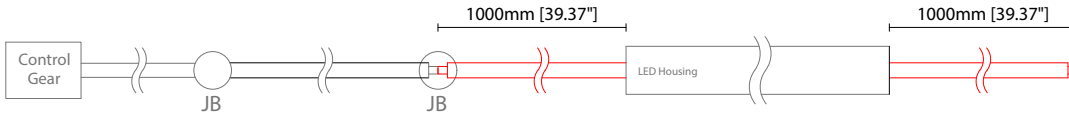
POWER FEED OPTIONS

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

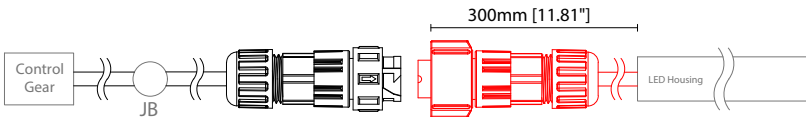
1000 S00B 1000mm (39.37") Single \varnothing 6.3mm sheath tail



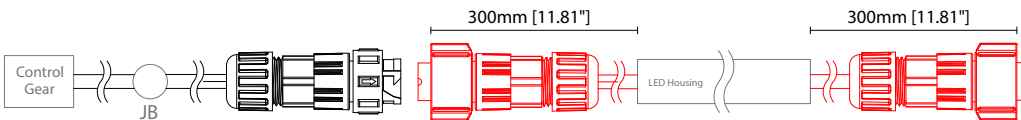
1000 D00B 1000mm (39.37") Double \varnothing 6.3mm sheath tail



0300 S67B 300mm (11.81") Single \varnothing 6.3mm sheath IP67 connector

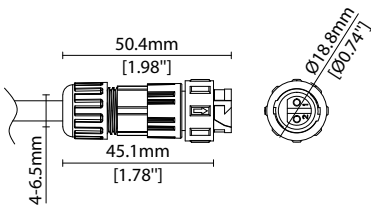


0300 D67B 300mm (11.81") Double \varnothing 6.3mm sheath IP67 connector

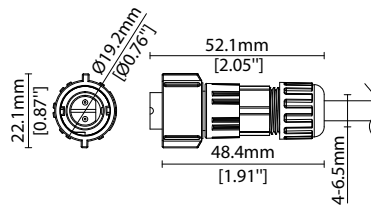


IP67 2 Pin Connector

Female connector
2 PIN (IP67)



Male connector
2 PIN (IP67)



Key

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

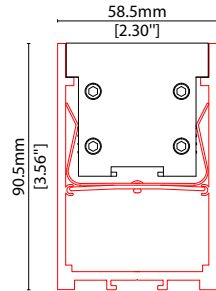
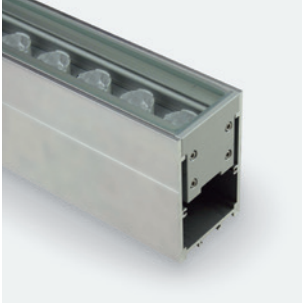
Linear

SEN-F Asymmetric A040 (40W) Accessories

KKDC

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

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

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