

Flexible

UNI FX 4 Fixture Guide

KKDÖ

Indoor | Surface | Output up to 1450lm/m (442lm/ft)

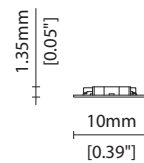


Key applications

- ✓ Architectural detail
- ✓ Backlighting/Signage
- ✓ Cabinet/Furniture
- ✓ Cove lighting
- ✓ Indirect lighting
- ✓ Interior
- ✓ Mirror back lighting
- ✓ Special effect

Key features

- ✓ Custom lengths
- ✓ Diffusion: Spotting
- ✓ Extensive CCT range
- ✓ Flexible
- ✓ Form factor: Micro
- ✓ High lumen efficacy
- ✓ IP20
- ✓ Output high



Flexible

UNI FX 4

Specification sheet



Dimensions	H1.35/W10/L250-3000mm(H0.05/W0.39/L9.84-118.11in)
PCB Cut-point	Power connection and cut points every 125mm (4.92in), price rounded up to closest 250mm (9.84in) increment
LED Pitch	20.8mm - 48 LED/m (0.82in - 15LED/ft)
Chip	s-line
Cover/Optics	120°
CCT	s-line: 2100K/2300K/2500K/2700K/3000K/3200K/3500K/4000K/5000K
LED binning	s-line: 2-step MacAdam ellipse
CRI	≥ 90
Lifetime	50,000 hours @ 25°C (50,000 hours @ 77°F)
Operating temp	T _a = -25°C to 40°C (T _c max = 85°C) T _a = -13°F to 104°F (T _c max = 185°F)
IP Rating	IP20
Finish	N/A
Mounting	3M double sided tape and surface mounting clips
Min bend radius	20mm (0.79in) Ø
Power feed	Hardwire tails or male/female connectors
Control	0-10V/1-10V/DMX/DALI



LED Grading Key

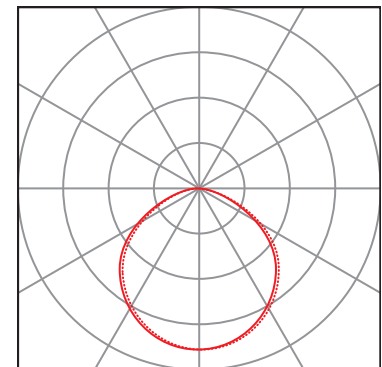
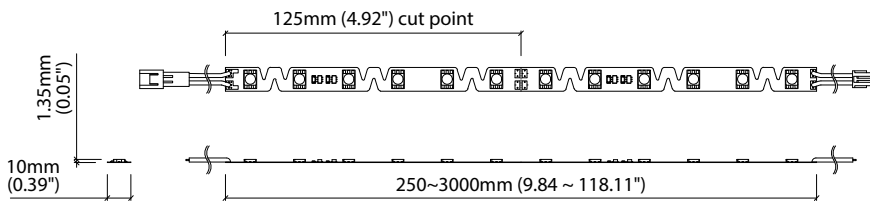
Exclusive Grade

s-line*
2-step CCT range

*KKDC tuned
CCT range

Power consumption	Supply voltage	Supply current
15W/m (4.57W/ft)	24V DC	0.62A/m (0.19A/ft)

No Cover		CRI	R9	Rf	Rg
s-line	1450lm/m (442lm/ft) 96.6lm/W	90	50	-	-



— C0 / C180 cd / 1000 lm C90 / C270

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

Flexible

UNI FX 4

Code Table

KKDC

FIXTURE

Model	Grade ¹	LED	Colour (CCT)		Length Availability ²		IP	Cable Length		Power Feed ³		Input				
UNI FX 4	FX	s	s	903	2100K	21	m	250-3000mm 125mm increments	IP20	20	50mm (1.97in)	0050	DC 24V	g		
					2300K	23										
					2500K	25										
					2700K	27	i	9.84-118.11in 4.92in increments			50mm (1.97in)	0300			Single no sheath tail	S00X
					3000K	30									Double no sheath tail	D00X
					3200K	32					(Specify length code OR total run length)	Single no sheath IP20 connector			S20X	
					3500K	35						Double no sheath IP20 connector			D20X	
					4000K	40										
					5000K	50										

¹ Refer to **LED Grading Key** on **Specification sheet** page

² Refer to **Length Availability List** or enter total run length instead of length code

³ Refer to **Power Feed Options** on **Options** pages

Code Example:

FX	-	s	-	903	-	35	-	m	-	500	-	20	-	0050	-	D20X	-	g
UNI FX4		s		UNI FX4		3500K				500mm		IP20		50mm/1.97"		Double no sheath IP20 connector		DC 24V

ACCESSORIES

Mounting Accessories

KKCP-07 Side clip

* Refer to **Mounting accessories** on **Accessories** pages

Connection Accessories

KKCN-01 2 PIN male & female 50mm (1.97in) pair

KKCN-03 2 PIN male & female 300mm (11.81in) pair

KKCN-06 2 PIN 300mm (11.81in) extension lead

* Refer to **Power feed** on **Accessories** pages

PSU/Driver

0-10V/1-10V/DALI/DMX

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

Flexible

UNI FX 4

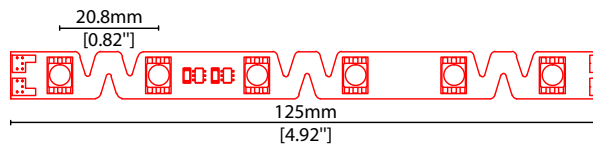
Length Availability List

KKDC

Length Code		Fixture Length ¹		LED Strip ²		End Cap Dimension		Wattage (W)	Output (lm)
Metric	Imperial(US)	Metric	Imperial(US)	Metric	Imperial(US)	Metric	Imperial(US)		3000K (Test Data)
m0250	i0010	250mm	9.84in	250mm	9.84in	N/A	N/A	3.75	362
m0375	i0015	375mm	14.76in	375mm	14.76in	N/A	N/A	5.63	543
m0500	i0020	500mm	19.69in	500mm	19.69in	N/A	N/A	7.50	725
m0625	i0025	625mm	24.61in	625mm	24.61in	N/A	N/A	9.38	906
m0750	i0030	750mm	29.53in	750mm	29.53in	N/A	N/A	11.25	1087
m0875	i0034	875mm	34.45in	875mm	34.45in	N/A	N/A	13.13	1268
m1000	i0039	1000mm	39.37in	1000mm	39.37in	N/A	N/A	15.00	1449
m1125	i0044	1125mm	44.29in	1125mm	44.29in	N/A	N/A	16.88	1630
m1250	i0049	1250mm	49.21in	1250mm	49.21in	N/A	N/A	18.75	1811
m1375	i0054	1375mm	54.13in	1375mm	54.13in	N/A	N/A	20.63	1992
m1500	i0059	1500mm	59.06in	1500mm	59.06in	N/A	N/A	22.50	2174
m1625	i0064	1625mm	63.98in	1625mm	63.98in	N/A	N/A	24.38	2355
m1750	i0069	1750mm	68.90in	1750mm	68.90in	N/A	N/A	26.25	2536
m1875	i0074	1875mm	73.82in	1875mm	73.82in	N/A	N/A	28.13	2717
m2000	i0079	2000mm	78.74in	2000mm	78.74in	N/A	N/A	30.00	2898
m2125	i0084	2125mm	83.66in	2125mm	83.66in	N/A	N/A	31.88	3079
m2250	i0089	2250mm	88.58in	2250mm	88.58in	N/A	N/A	33.75	3260
m2375	i0094	2375mm	93.50in	2375mm	93.50in	N/A	N/A	35.63	3441
m2500	i0098	2500mm	98.43in	2500mm	98.43in	N/A	N/A	37.50	3623
m2625	i0103	2625mm	103.35in	2625mm	103.35in	N/A	N/A	39.38	3804
m2750	i0108	2750mm	108.27in	2750mm	108.27in	N/A	N/A	41.25	3985
m2875	i0113	2875mm	113.19in	2875mm	113.19in	N/A	N/A	43.13	4166
m3000	i0118	3000mm	118.11in	3000mm	118.11in	N/A	N/A	45.00	4347

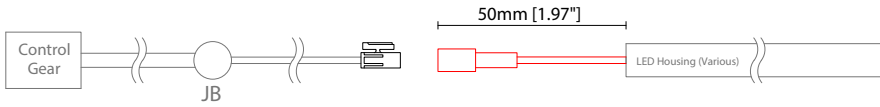
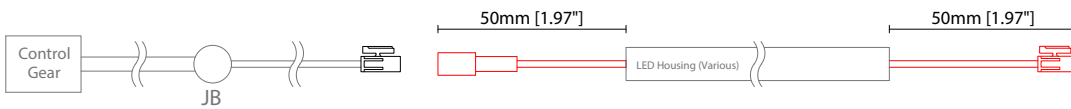
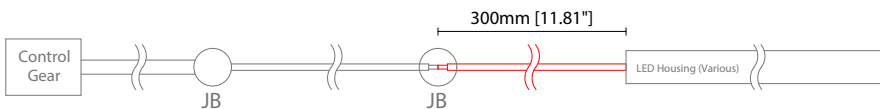
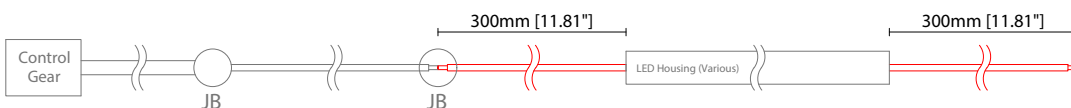
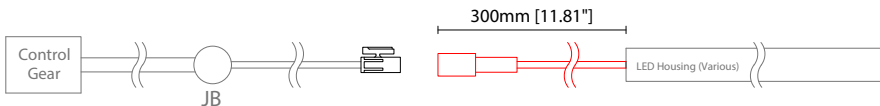
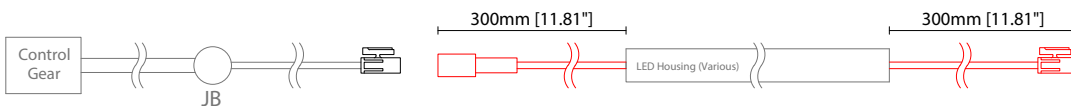
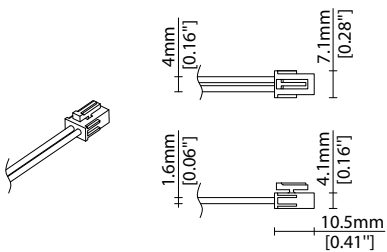
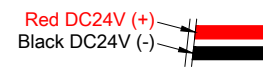
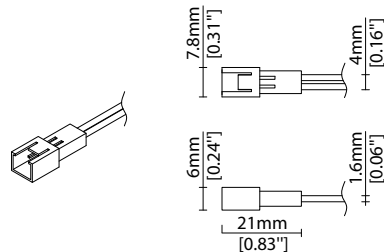
¹ Actual total overall length of light fixture (LED strip + end caps + void/wire hole)

² Actual length of PCB strip



POWER FEED OPTIONS

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

0050 S20X 50mm (1.97") Single no sheath IP20 connector**0050 D20X 50mm (1.97") Double no sheath IP20 connector****0300 S00X 300mm (11.81") Single no sheath tail****0300 D00X 300mm (11.81") Double no sheath tail****0300 S20X 300mm (11.81") Single no sheath IP20 connector****0300 D20X 300mm (11.81") Double no sheath IP20 connector****2 Pin Female Connector****2 Pin Male Connector****Key**

Control Gear Power supply, sub-controllers & control systems

JB Junction box / cable connection

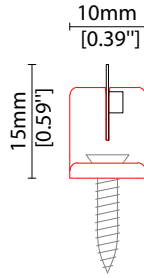
Flexible

UNI FX 4 Accessories

KKDC

MOUNTING ACCESSORIES

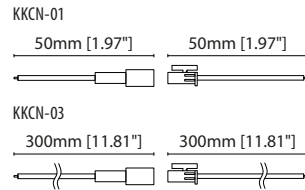
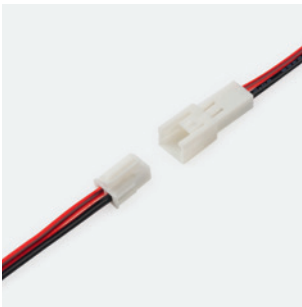
Note: Accessories are to be ordered separately with corresponding code shown below.



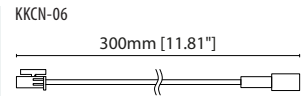
KKCP-07

Side clip
(allow 4 per metre/40in)
White plastic
L10/W10/H15mm
(L0.39/W0.39/H0.59")

POWER FEED



KKCN-01 50mm (1.97in) pair
KKCN-03 300mm (11.81in) pair
2 PIN male + female connector set



KKCN-06
2 PIN 300mm (11.81in) extension lead

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)



UNI FX 4 Accessories



KKDC CONTROL (CONTINUED)



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)

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