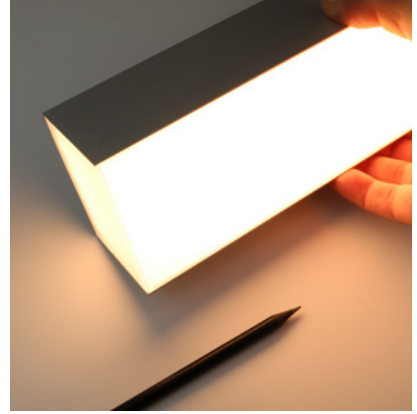


Linear

TIA 80 A080 (80W) Fixture Guide



Indoor | Surface | Output up to 5920lm/m (1804lm/ft)

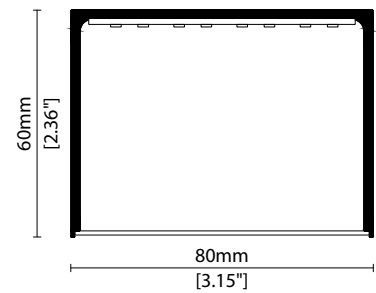


Key applications

- ✓ Ceiling pendant
- ✓ Downlighting
- ✓ Direct lighting
- ✓ Interior

Key features

- ✓ Illuminated End Caps
- ✓ Diffusion: Homogenous
- ✓ Direct view
- ✓ Form factor: Large
- ✓ High lumen efficacy
- ✓ IP40



MOUNTING METHODS



KKS-10 TIA 80 Suspension mounting kit

Linear

TIA 80 A080 (80W)

Specification sheet



Dimensions	H60/W80/L510 or 1010mm (H2.36/W3.15/L20 or 39.76in)
PCB Cut-point	500mm increment/1000mm max (19.69in increment/39.37in max)
LED Pitch	8.3mm - 480LED/m (0.33in - 146LED/ft)
Chip	A-line
Cover/Optics	Diffused (120°)
CCT	A-line: 2700K/3000K/4000K
LED binning	A-line: 3-step MacAdam ellipse
CRI	94
Lifetime	50,000 hours @ 25°C (50,000 hours @ 77°F)
Operating temp	T _a = -25 to 50°C (T _c max = 81.6°C) T _a = -13 to 122°F (T _c max = 178°F)
IP Rating	IP40
Finish	Silver anodised
Mounting	Suspended via suspension kit
Power feed	Hardwire tails
Control	0-10V/1-10V/DMX/DALI



LED Grading Key

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

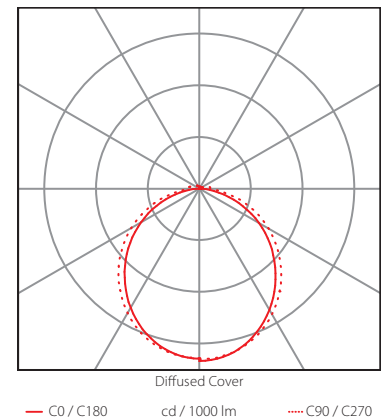
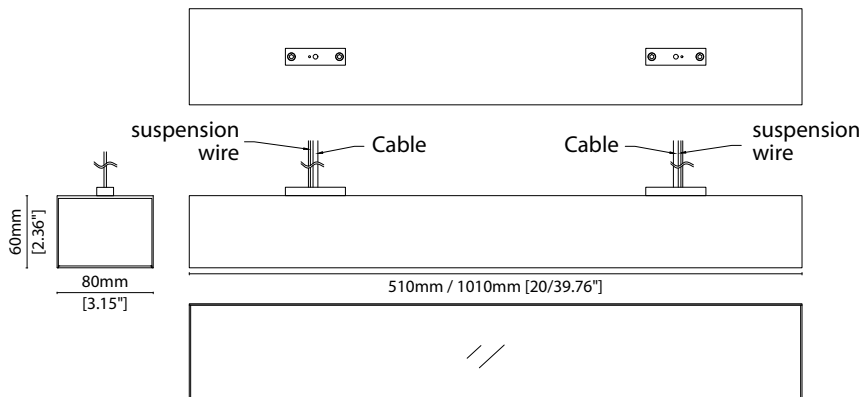
Power consumption	Supply voltage	Supply current
80W/m (24.38W/ft)	24V DC	3.33A/m (1.02A/ft)

Performance Data (3000K)

	R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14
A-line	94	95	94	94	93	93	95	87	72	88	94	76	94	96

Diffused Cover

		CRI	R9	Rf	Rg
A-line	5920lm/m (1804lm/ft) 74lm/W	94	72	-	-



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

Linear

TIA 80 A080 (80W)

Code Table



FIXTURE

Model	Finish	Cover/Lens ¹	Grade ²	LED	Colour (CCT)	Length Availability ³	IP	Cable Length	Power Feed	Input			
TIA 80	T80	Silver Anodised SA	Diffused C	A	A	A080	2700K 27 3000K 30 4000K 40	m 510/1010mm 500mm increments i L20/39.76in 19.69 in increments (Specify length code OR total run length)	IP40 40	3000mm (118.11in) 3000	Suspension single no sheath tail	S00H	DC 24V g

¹ Refer to **Cover/Lens options** on **Options** page

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

Code Example:

T80	-	SA	-	C	-	A	-	A080	-	30	-	m	510	-	40	-	3000	-	S00H	-	g
TIA 80		Silver Anodised		Diffused		A		A080		3000K		510mm		IP40		3000mm (118.11in)		Suspension single no sheath tail		DC 24V	

ACCESSORIES

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

Linear

TIA 80 A080 (80W)

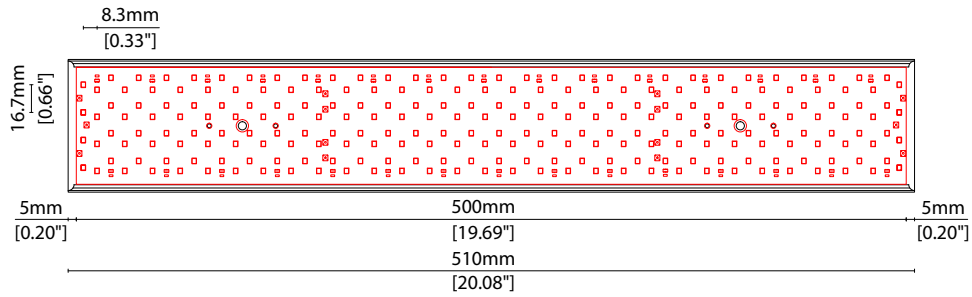
Length Availability List



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)
m0510	i0004	510mm	20.08in	500mm	19.69in	N/A	N/A	40.00	2960
m1010	i0005	1010mm	39.76in	1000mm	39.37in	N/A	N/A	80.00	5920

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

² Actual length of PCB strip



Linear

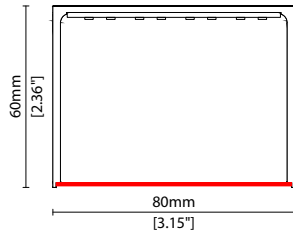
TIA 80 A080 (80W)

Options



COVER/LENS OPTIONS

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



C Diffused cover

H60/W80 (H2.36/W3.15")

Linear

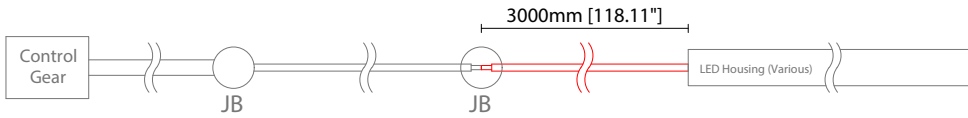
TIA 80 A080 (80W) Options

KKDC

POWER FEED OPTIONS

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

3000 S00H 3000mm (118.11") Suspension single no sheath tail



Key

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

Linear

TIA 80 A080 (80W)

Accessories

KKDC

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)



IP20
Plastic housing
L170/W59/H29mm
(L6.69/W2.32/H1.14in)

KKDL-02 DALI

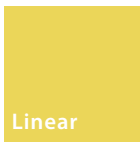
visDIM dimmable sub-controller
(4 x 8A max @ 12-36V)



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)



TIA

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

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