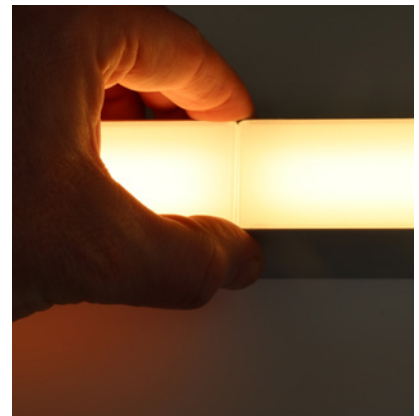


Linear

TIA 40 A025x2 (50W) Fixture Guide

KKDÖ

Indoor | Surface | High output up to 4150lm/m (1265lm/ft)

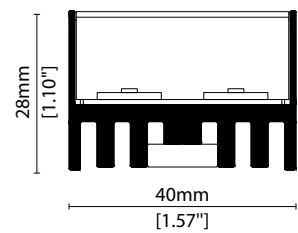


Key applications

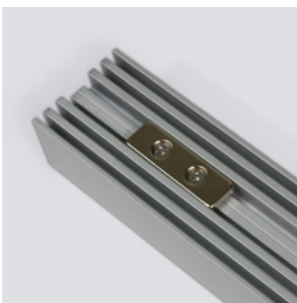
- ✓ Ceiling
- ✓ Downlighting
- ✓ Interior
- ✓ Retail display
- ✓ Shelving display
- ✓ Under bench
- ✓ Under cabinet

Key features

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



MOUNTING METHODS



Direct magnet attachment

Linear

TIA 40 A025x2 (50W)

Specification sheet



Dimension	H28/W40/L510/1010mm (H1.1/W1.57/L20/39.76in)	
PCB increment	500mm increment/1000mm max (19.69in increment/39.37in max)	
LED pitch	4.8mm - 416LED/m (0.19in - 127LED/ft)	
Chip	A-line	
Beam angle	120° (Diffused Cover)	
Colours	A-line 2700K/3000K/4000K	
Bin/Step	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 = 79.5°C) T _a = -13 to 104°F (T _c max = 175.1°F)	
IP rating	IP40	
Finish	Silver anodised	
Cover/lens	Diffused	
Mounting	Surface mounting via magnet	
Power feed	Non Sheathed tail	
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	

PERFORMANCE DATA @ 3000K

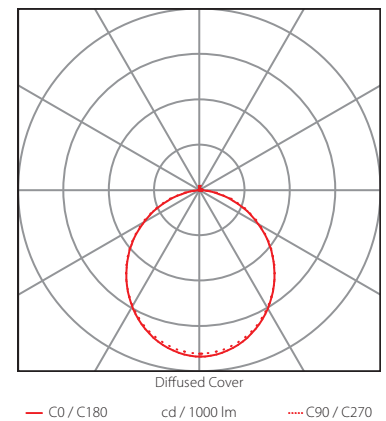
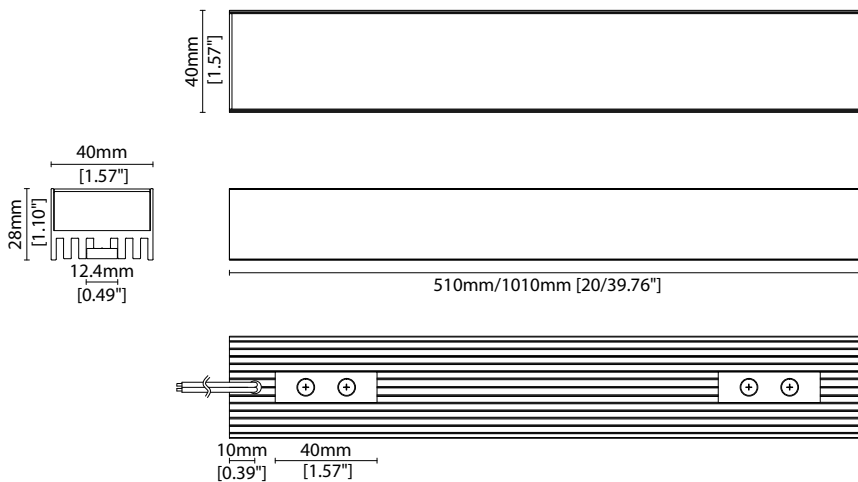
Power consumption	Supply voltage	Supply current
50W/m (15.24W/ft)	24V DC	2.08A/m (0.76A/ft)

Colour Rendering Index (CRI)

	R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14
A-line	94	95	94	94	93	92	95	89	71	87	94	77	95	96

Diffused Cover

			CRI	R9	Rf	Rg
A-line	4150lm/m (1265lm/ft)	83lm/W	93	71	-	-



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

See KKDC website for product document updates.

www.kkdc.lighting

TIA40A025x250WS-02.04EN-20221116

Linear

TIA 40 A025x2 (50W)

Code Table



FIXTURE

Model	Finish	Cover/Lens	Grade ¹	LED	Colour (CCT)	Length Availability ²	IP	Cable Length	Power Feed	Input
TIA T40	Silver Anodised SA	Diffused C	A- A	2x A025	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	500mm (19.69in) 0500	Single no sheath tail S00X	DC 24V g

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

Code Example:

T40	-	SA	-	C	-	A	-	A025	-	30	-	m	510	-	40	-	0500	-	S00X	-	g
TIA		Silver Anodised		Diffused		A-		2x A025		3000K		510mm		IP40		500mm (19.69in)		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 40 A025x2 (50W)

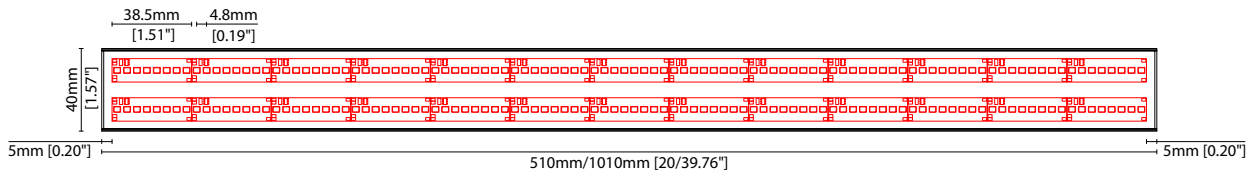
Length Availability List



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	i0020	510mm	20.08in	500mm	19.69in	N/A	N/A	25.00	2075
m1010	i0040	1010mm	39.76in	1000mm	39.37in	N/A	N/A	50.00	4150

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

² Actual length of PCB strip



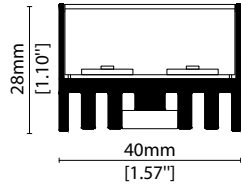
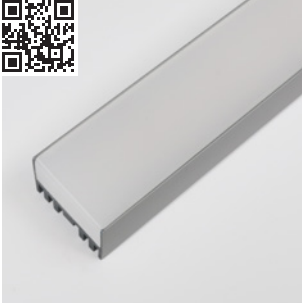
Linear

TIA 40 A025x2 (50W) Options

KKDC

COVER/LENS OPTIONS

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



C Diffused cover

W40/H28mm (W1.57/H1.10")

Linear

TIA 40 A025x2 (50W)

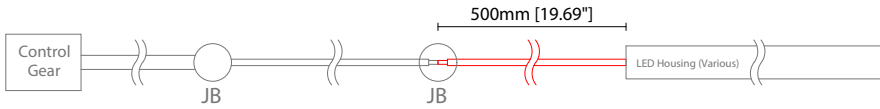
Options



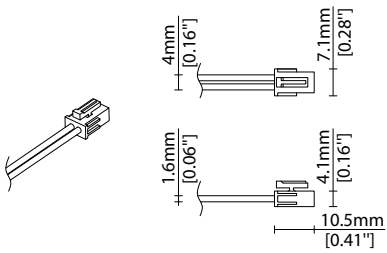
POWER FEED OPTIONS

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

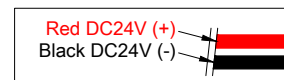
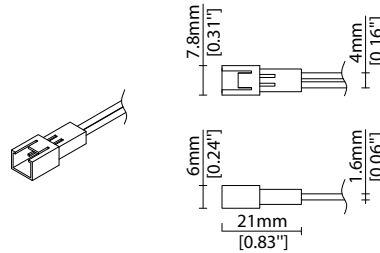
0500 S00X 500mm (19.69") Single no sheath tail



2 Pin Female Connector



2 Pin Male Connector



Key

Control Gear Power supply, sub-controllers & control systems

JB Junction box / cable connection

Linear

TIA 40 A025x2 (50W)

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)

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