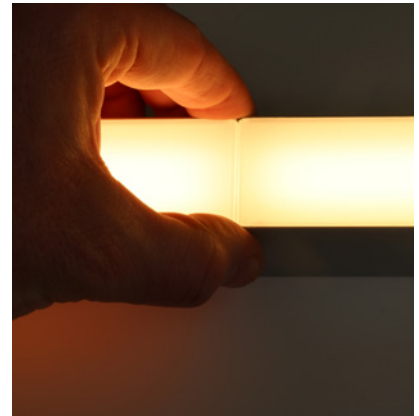


Linear

# TIA 40 A025x2 (50W) Fixture Guide

# KKDÖ

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

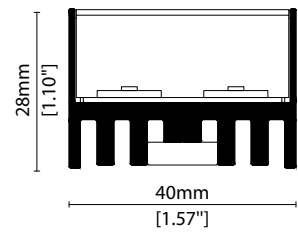


## Key applications

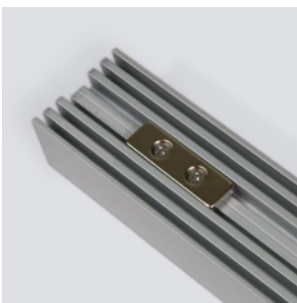
- ✓ Ceiling
- ✓ Downlighting
- ✓ Interior
- ✓ Retail display
- ✓ Shelving display
- ✓ Under bench
- ✓ Under cabinet

## Key features

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



## MOUNTING METHODS



Direct magnet attachment

Linear

# TIA 40 A025x2 (50W)

## Specification sheet



<b>Dimensions</b>	H28/W40/L510 or 1010mm (H1.1/W1.57/L20 or 39.8in)
<b>PCB Cut-point</b>	38.46mm increment/2000mm max (1.51in increment/78.74in max)
<b>LED Pitch</b>	4.8mm - 208LED/m (0.19in - 64LED/ft)
<b>Chip</b>	<b>A-line</b>
<b>Cover/Optics</b>	Diffused (120°)
<b>CCT</b>	<b>A-line:</b> 2700K/3000K/4000K
<b>LED binning</b>	<b>A-line:</b> 3-step MacAdam ellipse
<b>CRI</b>	94
<b>Lifetime</b>	50,000 hours @ 25°C (50,000 hours @ 77°F)
<b>Operating temp</b>	T <sub>a</sub> = -25 to 50°C (T <sub>c</sub> max = 79.5°C) T <sub>a</sub> = -13 to 104°F (T <sub>c</sub> max = 175.1°F)
<b>IP Rating</b>	IP40
<b>Finish</b>	Silver anodised
<b>Mounting</b>	Surface mounting via magnet
<b>Power feed</b>	Non Sheathed tail
<b>Control</b>	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

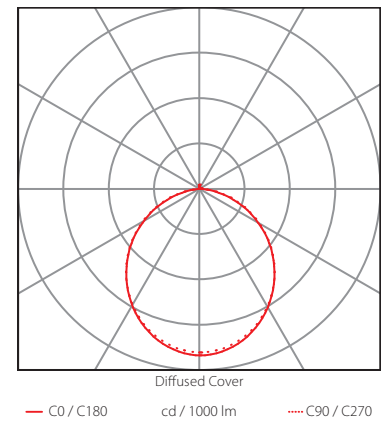
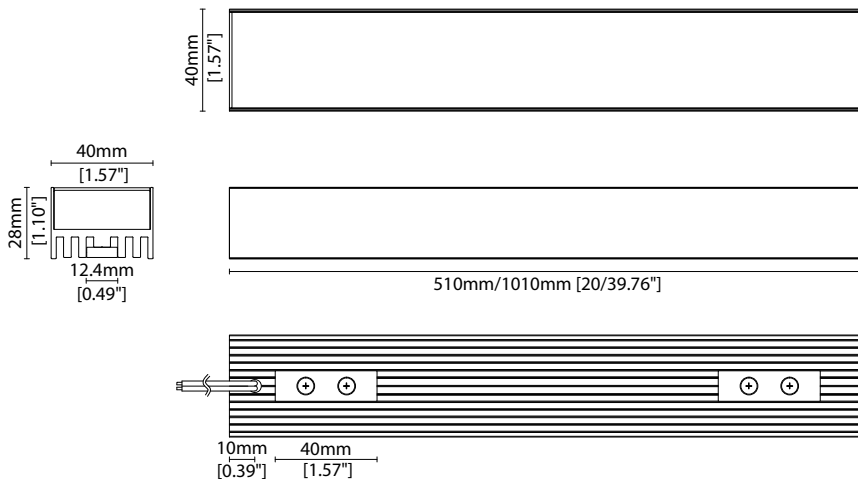
<b>Power consumption</b>	<b>Supply voltage</b>	<b>Supply current</b>
50W/m (15.24W/ft)	24V DC	2.08A/m (0.76A/ft)

### Performance Data (3000K)

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

### Diffused Cover

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



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

Linear

# TIA 40 A025x2 (50W)

## Code Table



### FIXTURE

Model	Finish	Cover/Lens <sup>1</sup>	Grade <sup>2</sup>	LED	Colour (CCT)	Length Availability <sup>3</sup>	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

<sup>1</sup> Refer to **Cover/Lens options** on **Options** page

<sup>2</sup> Refer to **LED Grading Key** on **Specification sheet** page

<sup>3</sup> 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

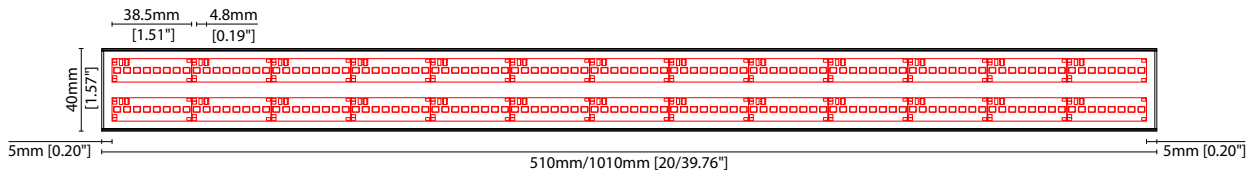
# TIA 40 A025x2 (50W) Length Availability List



Length Code		Fixture Length <sup>1</sup>		LED Strip <sup>2</sup>		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	25.00	2075
m1010	i0005	1010mm	39.76in	1000mm	39.37in	N/A	N/A	50.00	4150

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

<sup>2</sup> Actual length of PCB strip



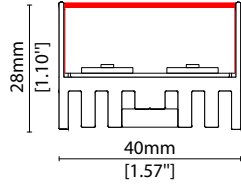
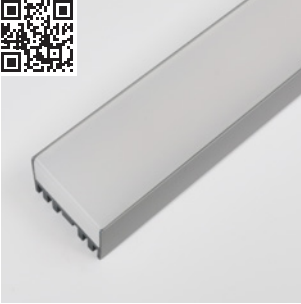
Linear

# 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

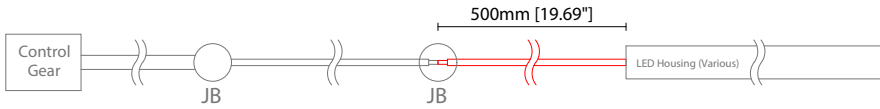
# TIA 40 A025x2 (50W) Options



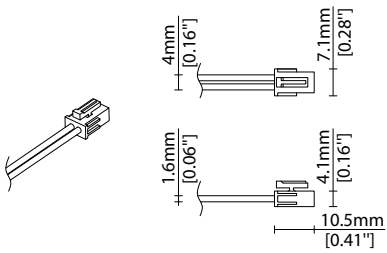
## POWER FEED OPTIONS

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

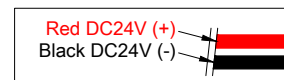
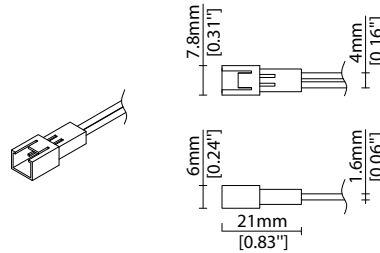
0500 S00X 500mm (19.69") Single no sheath tail



### 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

<sup>1</sup> The items shown above cover the most frequently used specification but does not exhaust the possible options

<sup>2</sup> 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

<sup>3</sup> Electrical shop drawing will include detailed information of PSU and relevant control drivers

<sup>4</sup> Cut sheets are available on the controls section of [www.kkdc.lighting](http://www.kkdc.lighting) or upon request