350mA LED Drivers

Constant Current Drivers   Driver sheet - Page 1
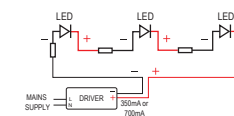
LEDs use specific drivers to run them, they are different from normal low voltage fittings in that they must be wired in series and need a constant current. Drivers can be placed 10m from the LEDs. Longer distances of 10-40m can be achieved by using a larger diameter cable to reduce the volt drop, or taking one LED off the maximum the driver can run. Please contact us for more information.

Example fittings that use these drivers include: LD41-350, LD42-350, LD53-350, LD150-350, LD10236-350, LD26-350, LD36-350

350mA Constant Current Drivers		TXDL06CC350	TXDS2	TXDP12	TXDEL350S	TXDEL350CAS	TXDEL350D	TXDEL350DALI	TXDEL4S350D	TXDEL4S350DALI	TXDEL4A350DMX TXDEL4A350DALI
		GE Lightec	Arditi	TCI	EldoLED	Casambi	EldoLED	EldoLED	EldoLED	EldoLED	EldoLED
1.2W fittings	1 LED (Number of LEDs in each fitting)	1 - 4	1 - 3	1 - 12	1 - 14	1 - 14	1 - 14	1 - 14	56 (4 x 1-14)	56 (4 x 1-14)	56 (4 x 1-14) 2-13 RGB tri chips
3.6W (3x1.2W) fittings	3 LED	1	1	1 - 4	1 - 4	1 - 4	1 - 4	1 - 4	16 (4 x 1-4)	16 (4 x 1-4)	16 (4 x 1-4)
5W fittings	4 LED E1 Engine	1	-	1 - 3	1 - 4	1 - 4	1 - 4	1 - 4	12 (4 x 1-3)	12 (4 x 1-3)	12 (4 x 1-3) 2-13 RGBW
7W fittings	6 LED Cluster & COB	-	-	1 - 2	1 - 2	1 - 2	1 - 2	1 - 2	8 (4 x 1-2)	8 (4 x 1-2)	8 (4 x 1-2)
Number of outputs/circuits		1	1	1	1	1	1	1	4	4	4 Individually addressable
Dimmable		no	no	no	no	Casambi	0 - 10V (0-100%)*	DALI (0-100%)*	0-10V (0-100%)*	DALI (0-100%)*	DMX, DALI (0-100%)*
Output Current (mA)		350mA	350mA	350mA	350mA	350mA	350mA	350mA	350mA	350mA	350mA
Output Voltage (V)		2 - 20V	3 - 12V	43V	2 - 55V	2 - 55V	2 - 55V	2 - 55V	2 - 57V per channel	2 - 57V per channel	2 - 57V per channel
Output Wattage (W)		6W	6W	15W	30W	30W	30W	30W	100W	100W	100W
Dimensions L x W x H (mm)		45 x 60 x 25	42 x 40 x 21	115 x 34 x 19	210 x 41 x 34	210 x 41 x 34	210 x 41 x 34	210 x 41 x 34	388 x 42 x 30	388 x 42 x 30	388 x 42 x 30
Hole Cut - out (mm)		51Ø	44Ø	40Ø	51Ø	51Ø	51Ø	51Ø	N/A	N/A	N/A
IP Rated		IP67 as standard	Drivers can be supplied with an IP rated box for use in wet environments.(Sold separately)								

Replaces TXDD350 (above TXDEL350S column)
Replaces TXDL20 TXDD350D (above TXDEL350D column)

Wiring in series

LEDs need to connected with an 'in series' wiring method required.

RGB/ RGBW LED note:
Green and blue LEDs have a maximum forward voltage of 3.8V (white is max 3.2V at 350mA). So take off 1 LED of the total the driver can run. TXDEL4A350 DMX/ DALI drivers list the amount of RGB and RGBW LEDs they can run.

NB: (number of circuits) x (number of LEDs)
* Dimming range can vary depending on the manufacturer and type of control system used

500mA LED Drivers

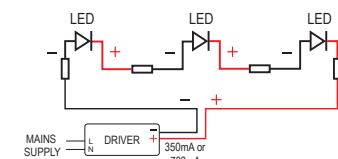Constant Current Drivers | Driver sheet - Page 2

LEDs use specific drivers to run them, they are different from normal low voltage fittings in that they must be wired in series and need a constant current. Drivers can be placed 10m from the LEDs. Longer distances of 10-40m can be achieved by using a larger diameter cable to reduce the volt drop, or taking one LED off the maximum the driver can run. Please contact us for more information.
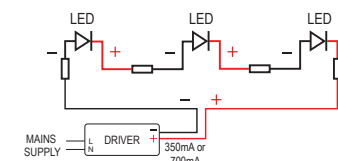
Example fittings that use these drivers include: LD42-500, LD1030-500, LD36-500, LD26-500

		500mA Constant Current Drivers	Replaces TXDD500		Replaces TXDL20/500 TXDD500D					
			TXDL06CC500	TXDL12CC500	TXDEL500S	TXDEL500CAS	TXDEL500D	TXDEL500DALI	TXDEL4S500D	TXDEL4S500DALI	TXDEL4A500DMX TXDEL4A500DALI
			GE Lightec	GE Lightec	EldoLED	Casambi	EldoLED	EldoLED	EldoLED	EldoLED	EldoLED
	Number of LEDs in each fitting										
1.2W fittings	1 LED		1 - 3	1 - 8	1 - 14	1 - 14	1 - 14	1 - 14	56 (4 x 1-14)	56 (4 x 1-14)	56 (4 x 1-14)
3.6W (3x1.2W) fittings	3 LED		1	1 - 2	1 - 4	1 - 4	1 - 4	1 - 4	16 (4 x 1-4)	16 (4 x 1-4)	16 (4 x 1-4)
5W fittings	4 LED E1 Engine		1	1	1 - 4	1 - 4	1 - 4	1 - 4	12 (4 x 1-3)	12 (4 x 1-3)	12 (4 x 1-3) 2-13 RGBW
7W fittings	6 LED Cluster & COB		-	1	1 - 2	1 - 2	1 - 2	1 - 2	8 (4 x 1-2)	8 (4 x 1-2)	8 (4 x 1-2)
Number of outputs/circuits			1	1	1	1	1	1	4	4	4 individually addressable
Dimmable			no	no	no	0 - 10V (0-100%)*	0 - 10V (0-100%)*	DALI (0-100%)*	0-10V (0-100%)*	DALI (0-100%)*	DMX, DALI (0-100%)*
Output Current (mA)			500mA	500mA	500mA	500mA	500mA	500mA	500mA	500mA	500mA
Output Voltage (V)			2 - 14V	2 - 26V	2 - 55V	2 - 55V	2 - 55V	2 - 55V	2 - 50V per channel	2 - 50V per channel	2 - 50V per channel
Output Wattage (W)			6W	12W	30W	30W	30W	30W	100W	100W	100W
Dimensions L x W x H (mm)			45 x 60 x 25	100 x 40 x 28	210 x 41 x 34	210 x 41 x 34	210 x 41 x 34	210 x 41 x 34	388 x 42 x 30	388 x 42 x 30	388 x 42 x 30
Hole Cut - out (mm)			51Ø	48Ø	51Ø	51Ø	51Ø	51Ø	N/A	N/A	N/A
IP Rated			IP67 as standard	Drivers can be supplied with an IP rated box for use in wet environments.(Sold separately)							

Wiring in series

LEDs need to connected with an 'in series' wiring method required.

RGB/ RGBW LED note:
Green and blue LEDs have a maximum forward voltage of 3.8V (white is max 3.2V at 350mA). So take off 1 LED of the total the driver can run. TXDEL4A500 DMX/ DALI drivers list the amount of RGB and RGBW LEDs they can run.

NB: (number of circuits) x (number of LEDs)
* Dimming range can vary depending on the manufacturer and type of control system used

LightGraphix
Creative Lighting Solutions

700mA LED Drivers

Constant Current Drivers

LEDs use specific drivers to run them, they are different from normal low voltage fittings in that they must be wired in series and need a constant current. Drivers can be placed 10m from the LEDs. Longer distances of 10-40m can be achieved by using a larger diameter cable to reduce the volt drop, or taking one LED off the maximum the driver can run. Please contact us for more information.

Example fittings that use these drivers include: LD56-700, LD1250-700, LD51-700, LD38-700

Replaces TXDL20/700
TXDD700D

500mA Constant Current Drivers		TXDS2/700	TXDP17	TXDEL700S	TXDEL700CAS	TXDEL700D	TXDEL700DALI	TXDEL4S700D	TXDEL4S700DALI	TXDEL4A700DMX TXDEL4A700DALI
		Arditi	Arditi	EldoLED	Casambi	EldoLED	EldoLED	EldoLED	EldoLED	EldoLED
1.2W fittings	Number of LEDs in each fitting / 1 LED	1 - 2	1 - 6	1 - 13	1 - 13	1 - 13	40 (4 x 1-10)	40 (4 x 1-10)	40 (4 x 1-10)	40 (4 x 1-10)
5W fittings	4 LED E1 Engine	-	1	1 - 3	1 - 3	1 - 3	1 - 3	8 (4 x 1-2)	8 (4 x 1-2)	8 (4 x 1-2)
7W fittings	6 LED Cluster & COB	-	1	1 - 2	1 - 2	1 - 2	1 - 2	4 (4 x 1)	4 (4 x 1)	4 (4 x 1)
Number of outputs/circuits		1	1	1	1	1	1	4	4	4 individually addressable
Dimmable		no	no	no	0 - 10V (0-100%)*	0 - 10V (0-100%)*	DALI (0-100%)*	0-10V (0-100%)*	DALI (0-100%)*	DMX, DALI (0-100%)*
Output Current (mA)		700mA	700mA	700mA	700mA	700mA	700mA	700mA	700mA	700mA
Output Voltage (V)		3 - 8.5V	3 - 24V	2 - 42V	2 - 42V	2 - 42V	2 - 42V	2 - 35.7V	2 - 35.7V	2 - 35.7V
Output Wattage (W)		6W	17W	30W	30W	30W	30W	100W	100W	100W
Dimensions L x W x H (mm)		42 x 40 x 21	125 x 38 x 22	210 x 41 x 34	210 x 41 x 34	210 x 41 x 34	210 x 41 x 34	388 x 42 x 30	388 x 42 x 30	388 x 42 x 30
Hole Cut - out (mm)		44Ø	43Ø	51Ø	51Ø	51Ø	51Ø	N/A	N/A	N/A
IP Rated		Drivers can be supplied with an IP rated box for use in wet environments.(Sold separately)								

Wiring in series

LEDs need to connected with an 'in series' wiring method required.

RGB/ RGBW LED note:
Green and blue LEDs have a maximum forward voltage of 3.8V (white is max 3.2V at 350mA). So take off 1 LED of the total the driver can run. TXDEL4A700 DMX/ DALI drivers list the amount of RGB and RGBW LEDs they can run.

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350 - 700mA Phase/Mains Dimmable LED Drivers

Constant Current Drivers

Phase/mains dimmable drivers must always be specified with care as there are many factors that can effect how well they dim. If possible on a project it is best to use mains dimmable drivers from the same manufacturer, especially if they are on the same room or circuit. Drivers can be placed 10m from the LEDs. Longer distances of 10-40m can be achieved by using a larger diameter cable to reduce the volt drop, or taking one LED off the maximum the driver can run. Please contact us for more information.

350mA
Constant Current Drivers

		TXDTC350PHD
1.2W fittings	Number of LEDs in each fitting 1 LED	1 - 14
3.6W (3x1.2W) fittings	3 LED	1 - 4
5W fittings	4 LED E1 Engine	1 - 3
7W fittings	6 LED Cluster & COB	1 - 2
Number of outputs/circuits		1
Dimmable		240V trailing & leading edge (5 - 100%)
Output Current (mA)		350mA
Output Voltage (V)		2 - 47V
Dimensions LxWxH (mm)		166 x 46 x 34
Hole Cut - out (mm)		51Ø
IP Rated		Can be supplied with an IP rated box for use in wet environments. (Sold separately)

500mA
Constant Current Drivers

		TXDTC500PHD
1.7W fittings	Number of LEDs in each fitting 1 LED	1 - 14
5.1W (3x1.7W) fittings	3 LED	1 - 4
7W fittings	4 LED E1 Engine	1 - 3
10W fittings	6 LED Cluster & COB	1 - 2
Number of outputs/circuits		1
Dimmable		240V trailing & leading edge (5 - 100%)
Output Current (mA)		500mA
Output Voltage (V)		2 - 47V
Dimensions LxWxH (mm)		166 x 46 x 34
Hole Cut - out (mm)		51Ø
IP Rated		Can be supplied with an IP rated box for use in wet environments. (Sold separately)

700mA
Constant Current Drivers

		TXDTC700PHD
2.4W fittings	Number of LEDs in each fitting 1 LED	1 - 13
10W fittings	4 LED E1 Engine	1 - 3
14W fittings	6 LED Cluster & COB	1 - 2
Number of outputs/circuits		1
Dimmable		240V trailing & leading edge (5 - 100%)
Output Current (mA)		700mA
Output Voltage (V)		2 - 46V
Dimensions LxWxH (mm)		166 x 46 x 34
Hole Cut - out (mm)		51Ø
IP Rated		Can be supplied with an IP rated box for use in wet environments. (Sold separately)

350mA - 700mA LED Drivers (24V Input)

Constant Current Drivers

These drivers require a 24V input and provide an output of either 350mA, 500mA or 700mA constant current supply. This makes them particularly useful for boat applications where there is only a 24V supply. The drivers can dimmed using a pulse width modulation signal (PWM) from a TXDO DIM controller (see 24V LED driver section).

350mA 24V DC Input

	Number of LEDs in each fitting	TXDT24V350	TXDT24V350IP68
1.2W fittings	1 LED	1 - 6	1 - 6
3.6W (3x1.2W) fittings	3 LED	1 - 2	1 - 2
5W fittings	4 LED E1 Engine	1	1
7W fittings	6 LED Cluster & COB	1	1
Number of outputs/circuits		1	1
Dimmable		PWM (TXDO-DIM, 1-10V, DALI, DMX)	PWM (TXDO-DIM, 1-10V, DALI, DMX)
Output Current (mA)		350mA	350mA
Output Voltage (V)		20V	20V
Dimensions L x W x H (mm)		58 x 31 x 21	57 x 34 x 22
Hole Cut - out (mm)		Ø38	35Ø
IP Rating		-	IP68

* the information provided above is based on a 24V input.   * see driver data sheet for more information.

500mA 24V DC Input

	Number of LEDs in each fitting	TXDT24V500	TXDT24V500IP68
1.7W fittings	1 LED	1 - 6	1 - 6
5.1W (3x1.7W) fittings	3 LED	1 - 2	1 - 2
7W fittings	4 LED E1 Engine	1	1
10W fittings	6 LED Cluster & COB	1	1
Number of outputs/circuits		1	1
Dimmable		PWM (TXDO-DIM, 1-10V, DALI, DMX)	PWM (TXDO-DIM, 1-10V, DALI, DMX)
Output Current (mA)		500mA	500mA
Output Voltage (V)		20V	20V
Dimensions L x W x H (mm)		58 x 31 x 21	57 x 34 x 22
Hole Cut - out (mm)		38Ø	35Ø
IP Rating		-	IP68

* see driver data sheet for more information.

700mA 24V DC Input

	Number of LEDs in each fitting	TXDT24V700	TXDT24V700IP68
2.4W fittings	1 LED	1 - 6	1 - 6
10W fittings	4 LED E1 Engine	1	1
14W fittings	6 LED Cluster & COB	1	1
Number of outputs/circuits		1	1
Dimmable		PWM (TXDO-DIM, 1-10V, DALI, DMX)	PWM (TXDO-DIM, 1-10V, DALI, DMX)
Output Current (mA)		700mA	700mA
Output Voltage (V)		20V	20V
Dimensions L x W x H (mm)		58 x 31 x 21	57 x 34 x 22
Hole Cut - out (mm)		38Ø	35Ø
IP Rating		-	IP68

* see driver data sheet for more information.

Wiring in series

One driver to run multiple LEDs wired in series. 24V power supply feeds one driver. Ideal use on boats with 24V power supply
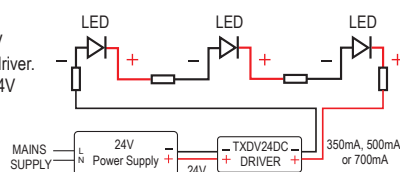
Wiring in parallel

One driver per LED, allowing parallel wiring from 24V power supply