

TRANSFORMERS AND CONTROLLERS

Transformers and Controllers

We produce transformers for both our 12V and 24V lighting systems and luminaires, including IP65 transformers for exterior mounting dedicated to our outdoor products.

All our transformers are safety isolating and built to EN60742. In addition to these we also supply a range of electronic converters, where small size, low weight and heat is a requirement.



TRANSFORMERS AND CONTROLLERS

TXLB Compact 12V Transformers

Made of extruded aluminium TXLB transformers are low profile boxed units, fitted with cable restraints and a primary fuse. The enclosure will fit through a 60mmØ hole.

Dimmable using inductive load dimmers.

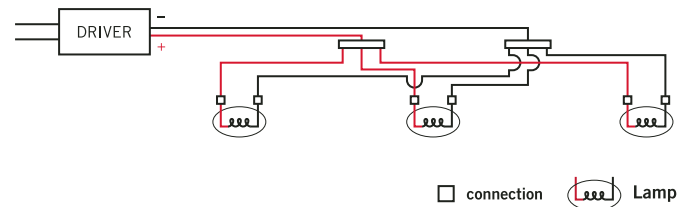


	VA	L	W	H	kg
TXLB 20	20	273	46	52	0.7
TXLB 50	50	313	46	52	1.3
TXLB 100	100	373	46	52	1.8

Wiring Methods

Due to high secondary currents, all 12volt lighting installations should be wired in a 'radial' method

'Radial' wiring methods



Adequate rating secondary cables must also be installed. Size guide below:

	Conductor overall diameter (mm ²)				
	Total W	1.5	2.5	4.0	6.0
Max	50W	3.4	5.6	8.7	13.5
Cable	100W	1.7	2.8	4.4	6.8
Length	150W	1.1	1.9	2.9	4.5
(metres)	200W	0.9	1.4	2.2	3.4

For further information see Cable manufacturers' Data or IEE regulations.

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IP20 Electronic Transformers

These high efficiency transformers provide a constant voltage for any load from within their range. They are compact and lightweight, with a much lower case temperature than conventional transformers.

These units have auto resetting protection against short circuit and overload, with auto regulating thermal protection. All TXE transformers are dimmable on the leading or trailing edge. They are suitable for use with hard-fired dimmers and virtually all scene setting and programmable controllers.

Note: Lead lengths on electronic transformers should not be longer than 2m.

Compliant with EN55015 and EN50082-1 for EMC emissions, these class II transformers are cased in UL94-VO plastic



Product Code	V	VA	L	W	H
TXES 12060	12	20-60	120	30	20
TXET 12070	12	20-70	102	51	30
TXET 12105	12	35-105	102	51	30
TXE 12150	12	75-150	190	54	41
TXE 12215	12	75-215	190	54	41
TXE 24105	24	35-105	150	49	35
TXE 24215	24	75-215	190	54	41
TXE 24250	24	75-250	270	65	42
TXE 24315	24	150-315	270	65	42

Secondary (SELV) cables for electronic transformers should not exceed 2000mm, with wiring method and cable sizes as detailed on page 177.

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TXB 24V Transformers

These class II short circuit proof, safety isolating transformers are enclosed in a black thermoplastic case and resin filled. Protection is provided by auto resetting, thermal cut outs and also primary fuses on models from 200VA upwards.

They are supplied with cable tails, 0.5m primary and 1.0m secondary.

TXB transformers are dimmable using inductive load dimmers.




 t_a 40°C IP40

	VA	L	W	H	kg
TXB24050	50VA	90	62	62	0.9
TXB24100	100VA	110	75	80	2.2
TXB24200	200VA	130	95	100	3.5
TXB24300	300VA	130	95	100	3.9
TXB24400	400VA	180	110	110	5.9
TXB24600	600VA	185	108	130	8.0

NB Dimensions do not include cables emerging from each end

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TXIP 12V and 24V IP65 Transformers

Sealed to IP65 for external mounting these transformers are encapsulated in resin within a thermoplastic case with a gasket and lid, removable for wiring. They are supplied with IP68 glands for both primary and secondary cable entry. Protection is provided by means of auto resetting, thermal cut outs and also primary fuses on models from 200VA upwards.

TXIP transformers are dimmable using inductive load dimmers



Product Code	VA	L	W	H	KG
TXIP 12050 12	50	106	121	78	1.0
TXIP 12100 12	100	120	121	78	2.3
TXIP 24050 24	50	106	121	78	1.0
TXIP 24100 24	100	120	121	78	2.3
TXIP 24200 24	200	141	134	88	3.3
TXIP 24300 24	300	141	134	88	4.0
TXIP 24400 24	400	155	172	110	6.0
TXIP 24600 24	600	175	172	110	8.0

NB Dimensions do not include cable glands






 t_a 40°C IP65

TRANSFORMERS AND CONTROLLERS

IPC 2 in-line IP68 connector

For use on primary and secondary side of TXIP transformers. Ideal for making connections to FootLights.



Order Code	Description
IPC	Connector & gland for 6 - 8mmØ cable