Lumière

Low Voltage & Transformers

DESCRIPTION

Transformers reduce line voltage to 12 volts for use with Lumière low voltage fixtures.

Transformers are available in four basic types:

- · Hard wire installation Standard outdoor low voltage lighting transformer for hard wiring direct to conduit.
- · Cord and plug Plug in directly to existing outlets, for ease of installation. Also available with a built in timer.
- Inground Low profile inground installation for reduced visual impact and increased flexibility.
- Compact solid state electronic transformers For use in approved housings or boxes.

Transformer Selection

The total wattage of all lamps used must not exceed the rating of the transformer selected for the installation. For example, a 150VA (VA = watts) transformer cannot power four fixtures with 50 watt lamps.

The transformer selected should match the total lamp wattage as closely as possible. It is good practice to use at least 33 to 50 percent, and no more than 85 to 90 percent, of the transformer's rated capacity.

Make sure that the transformer selected reduces the appropriate line voltage. For example, do not use a 120 to 12 volt transformer with a 277 volt system. Lumière Atlantis series fixtures (model 1407 - 1409) must be used with model T300, which is approved for use in pool and spa type applications.

Transformers must be installed in accordance with local and national electrical codes and other rules, regulations and requirements.

Voltage Drop

Resistance to electricity passing through electrical wiring causes the voltage at the end of a run of wire to be lower than the voltage at the transformer. This will cause fixtures at the end of a run to be noticeably dimmer than those closer to the transformer.

The factors affecting voltage drop are the total wattage of lamps on the run, the length of the run and the gauge of the wire.

There are several ways to minimize the impact of voltage drop:

- Use larger gauge cable
- Shorten cable runs
- Use lower wattage lamps
- Reduce the number of fixtures on the run
- Divide the fixtures over more runs from the transformer
- Use multiple transformers

VOLTAGE DROP FORMULA

Total watts on cable x length of run	- = Voltage Drop	
Cable size constant*		

Voltage drop is not always bad.

For example, dropping voltage at the lamp to 11.5 volts will give 80% of the lamp's rated candlepower, and double the rated life of the lamp. This is acceptable in most applications, and will result in lower maintenance costs.

The accompanying chart demonstrates how voltage at the lamp affects rated lamp life and rated candlepower:

CABLE SIZE CONSTANT CHART*

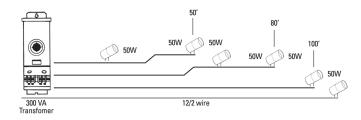
Cable size	#18	#16	#14	#12	#10	#8	#6
Cable constant	1380	2200	3500	7500	11,920	18,960	30,150

Sample Landscape Lighting Installation

We recommend using 12/2 or larger inground stranded cable. To control voltage drop, for each 100 watts allowed, use 100 feet of wire, maximum, to stay at approximately 10 volts at the end of the run. For example, a 300 watt (300VA) transformer may have three separate runs with 100' maximum on each run. This is standard procedure for low voltage installations. Any setup within these parameters will maintain sufficient lumen output. (Provided as an example only — output requirements may vary depending on individual situations and preferences.)

VOLTAGE DROP CHART

Vo	oltage at lamp	Life expectancy of lamp	% of rated candlepower
	13.2	2/3 rated life	350
	12.6	3/4 rated life	180
	12.0	as rated	100
	11.5	2X rated life	80
	11.0	3X rated life	74
	10.5	5X rated life	65
	10.0	9X rated life	50



ORDERING INFORMATION

Order transformers and low voltage cable as separate line items.



Transformers for Hard Wire Installation (120 to 12 Volt)	MODEL	DESCRIPTION
Core and coil construction	T50	50VA Wet listed low voltage lighting transformer
Pre-wired primary and secondary	T100	for hard wire installation 100VA Wet listed low voltage lighting transformer
Secondary protection Potted for guiet operation and long life	T150	for hard wire installation 150VA Wet listed low voltage lighting transformer
Case 3R outdoor listed		for hard wire installation
	T250	250VA Wet listed low voltage lighting transformer for hard wire installation
	T300	300VA Wet listed low voltage lighting transformer for hard wire installation
	T750	(Model T300 is approved for use with underwater lighting fixtures) 750VA Wet listed low voltage lighting transformer
	T1000	for hard wire installation 1000VA Wet listed low voltage lighting transformer
		for hard wire installation
ransformers for Hard Wire Installation (277 to 12 Volt)	MODEL	DESCRIPTION
Core and coil construction	TC300	300VA Wet listed low voltage lighting transformer
Pre-wired primary and secondary	TC500	for hard wire installation 500VA Wet listed low voltage lighting transformer
Secondary protection		for hard wire installation
Potted for quiet operation and long life Case 3R outdoor listed	TC750	750VA Wet listed low voltage lighting transformer for hard wire installation
nground Transformer (120 to 12 Volt)	MODEL	DESCRIPTION
Core and coil construction Corrosion-proof composite material for inground installation	T56	300VA wet listed low voltage transformer housed in composite container for inground installation
Removable lid		
nemovable na		
O-ring seals to insure fixture durability and weatherability Potted to protect against moisture Note: Do not bury inground transformers up to the top of the lid. Ensure hat soil does not reach the bottom of the transformer's lid. Follow installati	on	
O-ring seals to insure fixture durability and weatherability Potted to protect against moisture Note: Do not bury inground transformers up to the top of the lid. Ensure hat soil does not reach the bottom of the transformer's lid. Follow installation occodures for inground fixtures for proper operation. Solid State Transformers (120 to 12 Volt)	on MODEL	DESCRIPTION
O-ring seals to insure fixture durability and weatherability Potted to protect against moisture lote: Do not bury inground transformers up to the top of the lid. Ensure nat soil does not reach the bottom of the transformer's lid. Follow installati rocedures for inground fixtures for proper operation. Solid State Transformers (120 to 12 Volt) Quiet operation	MODEL T60	75VA solid state transformer. Halogen and Non-LED MR16 o
O-ring seals to insure fixture durability and weatherability Potted to protect against moisture lote: Do not bury inground transformers up to the top of the lid. Ensure nat soil does not reach the bottom of the transformer's lid. Follow installati rocedures for inground fixtures for proper operation. Solid State Transformers (120 to 12 Volt) Quiet operation Small size	MODEL T60 T61	75VA solid state transformer. Halogen and Non-LED MR16 o 60VA solid state transformer with 8' cord and plug
O-ring seals to insure fixture durability and weatherability Potted to protect against moisture Note: Do not bury inground transformers up to the top of the lid. Ensure hat soil does not reach the bottom of the transformer's lid. Follow installation or control of the transformer	MODEL T60	75VA solid state transformer. Halogen and Non-LED MR16 o
O-ring seals to insure fixture durability and weatherability Potted to protect against moisture lote: Do not bury inground transformers up to the top of the lid. Ensure nat soil does not reach the bottom of the transformer's lid. Follow installati rocedures for inground fixtures for proper operation. olid State Transformers (120 to 12 Volt) Quiet operation Small size High efficiency Epoxy seal to protect against damp conditions Ideal for use in listed J-Boxes or housings	MODEL T60 T61 T65	75VA solid state transformer. Halogen and Non-LED MR16 o 60VA solid state transformer with 8' cord and plug 150VA solid state transformer
O-ring seals to insure fixture durability and weatherability Potted to protect against moisture ote: Do not bury inground transformers up to the top of the lid. Ensure nat soil does not reach the bottom of the transformer's lid. Follow installati rocedures for inground fixtures for proper operation. olid State Transformers (120 to 12 Volt) Quiet operation Small size High efficiency Epoxy seal to protect against damp conditions Ideal for use in listed J-Boxes or housings	MODEL T60 T61 T65	75VA solid state transformer. Halogen and Non-LED MR16 of 60VA solid state transformer with 8' cord and plug 150VA solid state transformer DESCRIPTION
O-ring seals to insure fixture durability and weatherability Potted to protect against moisture ote: Do not bury inground transformers up to the top of the lid. Ensure nat soil does not reach the bottom of the transformer's lid. Follow installation rocedures for inground fixtures for proper operation. olid State Transformers (120 to 12 Volt) Quiet operation Small size High efficiency Epoxy seal to protect against damp conditions Ideal for use in listed J-Boxes or housings ransformers with Cords, Plugs & Timers (120 to 12 Volt) Core and coil construction	MODEL T60 T61 T65	75VA solid state transformer. Halogen and Non-LED MR16 o 60VA solid state transformer with 8' cord and plug 150VA solid state transformer
O-ring seals to insure fixture durability and weatherability Potted to protect against moisture lote: Do not bury inground transformers up to the top of the lid. Ensure nat soil does not reach the bottom of the transformer's lid. Follow installati rocedures for inground fixtures for proper operation. olid State Transformers (120 to 12 Volt) Quiet operation Small size High efficiency Epoxy seal to protect against damp conditions Ideal for use in listed J-Boxes or housings ransformers with Cords, Plugs & Timers (120 to 12 Volt) Core and coil construction Epoxy impregnated for quiet, cool operation	MODEL T60 T61 T65 MODEL TR150 TR150T	75VA solid state transformer. Halogen and Non-LED MR16 of 60VA solid state transformer with 8' cord and plug 150VA solid state transformer DESCRIPTION 150VA wet listed outdoor transformer with 8' cord and plug 150VA wet listed outdoor transformer with timer and 8' cord and plug
O-ring seals to insure fixture durability and weatherability Potted to protect against moisture lote: Do not bury inground transformers up to the top of the lid. Ensure nat soil does not reach the bottom of the transformer's lid. Follow installati rocedures for inground fixtures for proper operation. colid State Transformers (120 to 12 Volt) Quiet operation Small size High efficiency Epoxy seal to protect against damp conditions Ideal for use in listed J-Boxes or housings ransformers with Cords, Plugs & Timers (120 to 12 Volt) Core and coil construction Epoxy impregnated for quiet, cool operation Thermostat protection on primary	MODEL T60 T61 T65 MODEL TR150	75VA solid state transformer. Halogen and Non-LED MR16 of 60VA solid state transformer with 8' cord and plug 150VA solid state transformer DESCRIPTION 150VA wet listed outdoor transformer with 8' cord and plug 150VA wet listed outdoor transformer with timer and 8' cord and plug 300VA wet listed outdoor transformer with 8' cord and plug 300VA wet listed outdoor transformer with 8' cord and plug 300VA wet listed outdoor transformer with 18' cord and plug 300VA wet listed outdoor transformer with 18' cord and 190VA wet listed outdoor transformer with 18' cord and 190VA wet listed outdoor transformer with 18' cord and 190VA wet listed outdoor transformer with 18' cord and 190VA wet listed outdoor transformer with 18' cord and 190VA wet listed outdoor transformer with 18' cord and 190VA wet listed outdoor transformer with 18' cord and 190VA wet listed outdoor transformer with 18' cord and 190VA wet listed outdoor transformer with 18' cord and 190VA wet listed outdoor transformer with 18' cord and 190VA wet listed outdoor transformer with 18' cord and 190VA wet listed outdoor transformer with 18' cord and 190VA wet listed outdoor transformer with 18' cord and 190VA wet listed 000VA
O-ring seals to insure fixture durability and weatherability Potted to protect against moisture Note: Do not bury inground transformers up to the top of the lid. Ensure hat soil does not reach the bottom of the transformer's lid. Follow installation transformers for inground fixtures for proper operation. Solid State Transformers (120 to 12 Volt) Quiet operation Small size High efficiency Epoxy seal to protect against damp conditions Ideal for use in listed J-Boxes or housings Transformers with Cords, Plugs & Timers (120 to 12 Volt) Core and coil construction Epoxy impregnated for quiet, cool operation Thermostat protection on primary Circuit breaker protection on secondary Electrostatic grounded shield between primary and secondary	MODEL T60 T61 T65 MODEL TR150 TR150T TR300 TR300T	75VA solid state transformer. Halogen and Non-LED MR16 of 60VA solid state transformer with 8' cord and plug 150VA solid state transformer DESCRIPTION 150VA wet listed outdoor transformer with 8' cord and plug 150VA wet listed outdoor transformer with timer and 8' cord and plug 300VA wet listed outdoor transformer with 8' cord and plug 300VA wet listed outdoor transformer with 8' cord and plug 300VA wet listed outdoor transformer with timer and 8' cord and plug
O-ring seals to insure fixture durability and weatherability Potted to protect against moisture Jote: Do not bury inground transformers up to the top of the lid. Ensure hat soil does not reach the bottom of the transformer's lid. Follow installation to the top of the lid. Ensure hat soil does not reach the bottom of the transformer's lid. Follow installation to the lid. Ensure hat soil does not reach the transformer's lid. Follow installation to the lid. Ensure hat soil does not reach the transformer's lid. Follow installation to the lid. Ensure hat soil does not reach the top of the lid. Ensure hat soil does not reach the lid. Ensure hat soil does not reach the top of the lid. Ensure hat soil does not reach the lid. Ensure hat s	MODEL T60 T61 T65 MODEL TR150 TR150T TR300	75VA solid state transformer. Halogen and Non-LED MR16 of 60VA solid state transformer with 8' cord and plug 150VA solid state transformer DESCRIPTION 150VA wet listed outdoor transformer with 8' cord and plug 150VA wet listed outdoor transformer with timer and 8' cord and plug 300VA wet listed outdoor transformer with 8' cord and plug 300VA wet listed outdoor transformer with timer and 8' cord and plug 600VA wet listed outdoor transformer with 8' cord and plug 600VA wet listed outdoor transformer with 8' cord and plug 600VA wet listed outdoor transformer with timer and 8'
O-ring seals to insure fixture durability and weatherability Potted to protect against moisture Note: Do not bury inground transformers up to the top of the lid. Ensure that soil does not reach the bottom of the transformer's lid. Follow installation procedures for inground fixtures for proper operation. Solid State Transformers (120 to 12 Volt) Quiet operation Small size High efficiency Epoxy seal to protect against damp conditions Ideal for use in listed J-Boxes or housings Fransformers with Cords, Plugs & Timers (120 to 12 Volt) Core and coil construction Epoxy impregnated for quiet, cool operation Thermostat protection on primary Circuit breaker protection on secondary Electrostatic grounded shield between primary and secondary On-off switch 12 volt easy wiring strip	MODEL T60 T61 T65 MODEL TR150 TR150T TR300 TR300T TR600	75VA solid state transformer. Halogen and Non-LED MR16 of 60VA solid state transformer with 8' cord and plug 150VA solid state transformer DESCRIPTION 150VA wet listed outdoor transformer with 8' cord and plug 150VA wet listed outdoor transformer with timer and 8' cord and plug 300VA wet listed outdoor transformer with 8' cord and plug 300VA wet listed outdoor transformer with timer and 8' cord and plug 600VA wet listed outdoor transformer with 8' cord and plug 600VA wet listed outdoor transformer with 8' cord and plug 600VA wet listed outdoor transformer with 8' cord and plug
O-ring seals to insure fixture durability and weatherability Potted to protect against moisture lote: Do not bury inground transformers up to the top of the lid. Ensure nat soil does not reach the bottom of the transformer's lid. Follow installati rocedures for inground fixtures for proper operation. Solid State Transformers (120 to 12 Volt) Quiet operation Small size High efficiency Epoxy seal to protect against damp conditions Ideal for use in listed J-Boxes or housings Transformers with Cords, Plugs & Timers (120 to 12 Volt) Core and coil construction Epoxy impregnated for quiet, cool operation Thermostat protection on primary Circuit breaker protection on secondary Electrostatic grounded shield between primary and secondary On-off switch 12 volt easy wiring strip Equipped with 6' line cord and 3 prong plug	MODEL T60 T61 T65 MODEL TR150 TR150T TR300 TR300T TR600 TR600T	75VA solid state transformer. Halogen and Non-LED MR16 of 60VA solid state transformer with 8' cord and plug 150VA solid state transformer DESCRIPTION 150VA wet listed outdoor transformer with 8' cord and plug 150VA wet listed outdoor transformer with timer and 8' cord and plug 300VA wet listed outdoor transformer with 8' cord and plug 300VA wet listed outdoor transformer with timer and 8' cord and plug 600VA wet listed outdoor transformer with 8' cord and plug 600VA wet listed outdoor transformer with 8' cord and plug 600VA wet listed outdoor transformer with timer and 8' cord and plug
O-ring seals to insure fixture durability and weatherability Potted to protect against moisture lote: Do not bury inground transformers up to the top of the lid. Ensure nat soil does not reach the bottom of the transformer's lid. Follow installation rocedures for inground fixtures for proper operation. Olid State Transformers (120 to 12 Volt) Quiet operation Small size High efficiency Epoxy seal to protect against damp conditions Ideal for use in listed J-Boxes or housings ransformers with Cords, Plugs & Timers (120 to 12 Volt) Core and coil construction Epoxy impregnated for quiet, cool operation Thermostat protection on primary Circuit breaker protection on secondary Electrostatic grounded shield between primary and secondary On-off switch 12 volt easy wiring strip Equipped with 6' line cord and 3 prong plug	MODEL T60 T61 T65 MODEL TR150 TR150T TR300 TR300T TR600 TR600T TR900	75VA solid state transformer. Halogen and Non-LED MR16 of 60VA solid state transformer with 8' cord and plug 150VA solid state transformer DESCRIPTION 150VA wet listed outdoor transformer with 8' cord and plug 150VA wet listed outdoor transformer with timer and 8' cord and plug 300VA wet listed outdoor transformer with 8' cord and plug 300VA wet listed outdoor transformer with timer and 8' cord and plug 600VA wet listed outdoor transformer with 8' cord and plug 600VA wet listed outdoor transformer with timer and 8' cord and plug 900VA wet listed outdoor transformer with 8' cord and plug 900VA wet listed outdoor transformer with 8' cord and plug 900VA wet listed outdoor transformer with 1' cord and plug 900VA wet listed outdoor transformer with 1' cord and plug 900VA wet listed outdoor transformer with 1' cord and plug 900VA wet listed outdoor transformer with 1' cord and 1' cord
O-ring seals to insure fixture durability and weatherability Potted to protect against moisture lote: Do not bury inground transformers up to the top of the lid. Ensure nat soil does not reach the bottom of the transformer's lid. Follow installation recedures for inground fixtures for proper operation. olid State Transformers (120 to 12 Volt) Quiet operation Small size High efficiency Epoxy seal to protect against damp conditions Ideal for use in listed J-Boxes or housings ransformers with Cords, Plugs & Timers (120 to 12 Volt) Core and coil construction Epoxy impregnated for quiet, cool operation Thermostat protection on primary Circuit breaker protection on secondary Electrostatic grounded shield between primary and secondary On-off switch 12 volt easy wiring strip Equipped with 6' line cord and 3 prong plug hard wiring capability	MODEL T60 T61 T65 MODEL TR150 TR150T TR300 TR300T TR600 TR600T TR900T TR900T TRPC	75VA solid state transformer. Halogen and Non-LED MR16 of 60VA solid state transformer with 8' cord and plug 150VA solid state transformer DESCRIPTION 150VA wet listed outdoor transformer with 8' cord and plug 150VA wet listed outdoor transformer with timer and 8' cord and plug 300VA wet listed outdoor transformer with timer and 8' cord and plug 300VA wet listed outdoor transformer with timer and 8' cord and plug 600VA wet listed outdoor transformer with 8' cord and plug 600VA wet listed outdoor transformer with timer and 8' cord and plug 900VA wet listed outdoor transformer with 8' cord and plug 900VA wet listed outdoor transformer with 8' cord and plug 900VA wet listed outdoor transformer with timer and 8' cord and plug Photo cell for use with TR300, TR300T, TR600, TR600T, TR900, TR900T
O-ring seals to insure fixture durability and weatherability Potted to protect against moisture Note: Do not bury inground transformers up to the top of the lid. Ensure hat soil does not reach the bottom of the transformer's lid. Follow installation transformers for inground fixtures for proper operation. Solid State Transformers (120 to 12 Volt) Quiet operation Small size High efficiency Epoxy seal to protect against damp conditions Ideal for use in listed J-Boxes or housings Fransformers with Cords, Plugs & Timers (120 to 12 Volt) Core and coil construction Epoxy impregnated for quiet, cool operation Thermostat protection on primary Circuit breaker protection on secondary Electrostatic grounded shield between primary and secondary On-off switch 12 volt easy wiring strip Equipped with 6' line cord and 3 prong plug hard wiring capability	MODEL T60 T61 T65 MODEL TR150 TR150T TR300 TR300T TR600 TR600T TR900 TR900T TRPC MODEL	75VA solid state transformer. Halogen and Non-LED MR16 o 60VA solid state transformer with 8' cord and plug 150VA solid state transformer DESCRIPTION 150VA wet listed outdoor transformer with 8' cord and plug 150VA wet listed outdoor transformer with timer and 8' cord and plug 300VA wet listed outdoor transformer with 8' cord and plug 300VA wet listed outdoor transformer with timer and 8' cord and plug 600VA wet listed outdoor transformer with 8' cord and plug 600VA wet listed outdoor transformer with timer and 8' cord and plug 900VA wet listed outdoor transformer with 8' cord and plug 900VA wet listed outdoor transformer with 1' cord and plug 900VA wet listed outdoor transformer with 1' cord and plug 900VA wet listed outdoor transformer with 1' cord and plug 900VA wet listed outdoor transformer with 1' cord and plug Photo cell for use with TR300, TR300T, TR600, TR600T, TR900, TR900T
O-ring seals to insure fixture durability and weatherability Potted to protect against moisture Note: Do not bury inground transformers up to the top of the lid. Ensure hat soil does not reach the bottom of the transformer's lid. Follow installation transformers for inground fixtures for proper operation. Solid State Transformers (120 to 12 Volt) Quiet operation Small size High efficiency Epoxy seal to protect against damp conditions Ideal for use in listed J-Boxes or housings Fransformers with Cords, Plugs & Timers (120 to 12 Volt) Core and coil construction Epoxy impregnated for quiet, cool operation Thermostat protection on primary Circuit breaker protection on secondary Electrostatic grounded shield between primary and secondary On-off switch 12 volt easy wiring strip Equipped with 6' line cord and 3 prong plug hard wiring capability	MODEL T60 T61 T65 MODEL TR150 TR150T TR300 TR300T TR600 TR600T TR900T TR900T TRPC	75VA solid state transformer. Halogen and Non-LED MR16 of 60VA solid state transformer with 8' cord and plug 150VA solid state transformer DESCRIPTION 150VA wet listed outdoor transformer with 8' cord and plug 150VA wet listed outdoor transformer with timer and 8' cord and plug 300VA wet listed outdoor transformer with timer and 8' cord and plug 300VA wet listed outdoor transformer with timer and 8' cord and plug 600VA wet listed outdoor transformer with 8' cord and plug 600VA wet listed outdoor transformer with timer and 8' cord and plug 900VA wet listed outdoor transformer with 8' cord and plug 900VA wet listed outdoor transformer with 8' cord and plug 900VA wet listed outdoor transformer with timer and 8' cord and plug Photo cell for use with TR300, TR300T, TR600, TR600T, TR900, TR900T
O-ring seals to insure fixture durability and weatherability Potted to protect against moisture Note: Do not bury inground transformers up to the top of the lid. Ensure that soil does not reach the bottom of the transformer's lid. Follow installation procedures for inground fixtures for proper operation. Solid State Transformers (120 to 12 Volt) Quiet operation Small size High efficiency Epoxy seal to protect against damp conditions Ideal for use in listed J-Boxes or housings Fransformers with Cords, Plugs & Timers (120 to 12 Volt) Core and coil construction Epoxy impregnated for quiet, cool operation Thermostat protection on primary Circuit breaker protection on secondary Electrostatic grounded shield between primary and secondary On-off switch 12 volt easy wiring strip Equipped with 6' line cord and 3 prong plug hard wiring capability Fransformers for Under Water Fixtures (120 to 12 Volt) Pool and Spa Rated	MODEL T60 T61 T65 MODEL TR150 TR150T TR300 TR300T TR600 TR600T TR900 TR900T TRPC MODEL T300 PX100	75VA solid state transformer. Halogen and Non-LED MR16 of 60VA solid state transformer with 8' cord and plug 150VA solid state transformer DESCRIPTION 150VA wet listed outdoor transformer with 8' cord and plug 150VA wet listed outdoor transformer with timer and 8' cord and plug 300VA wet listed outdoor transformer with 8' cord and plug 300VA wet listed outdoor transformer with timer and 8' cord and plug 600VA wet listed outdoor transformer with 8' cord and plug 600VA wet listed outdoor transformer with 8' cord and plug 900VA wet listed outdoor transformer with 8' cord and plug 900VA wet listed outdoor transformer with timer and 8' cord and plug 900VA wet listed outdoor transformer with timer and 8' cord and plug Photo cell for use with TR300, TR300T, TR600, TR600T, TR900, TR900T DESCRIPTION 300VA Pool and Spa Rated, Magnetic 100VA Pool and Spa Rated, Solid State
O-ring seals to insure fixture durability and weatherability Potted to protect against moisture lote: Do not bury inground transformers up to the top of the lid. Ensure nat soil does not reach the bottom of the transformer's lid. Follow installation rocedures for inground fixtures for proper operation. Solid State Transformers (120 to 12 Volt) Quiet operation Small size High efficiency Epoxy seal to protect against damp conditions Ideal for use in listed J-Boxes or housings Transformers with Cords, Plugs & Timers (120 to 12 Volt) Core and coil construction Epoxy impregnated for quiet, cool operation Thermostat protection on primary Circuit breaker protection on secondary Electrostatic grounded shield between primary and secondary On-off switch 12 volt easy wiring strip Equipped with 6' line cord and 3 prong plug hard wiring capability Transformers for Under Water Fixtures (120 to 12 Volt) Pool and Spa Rated Ow Wattage Transformers for LED use	MODEL T60 T61 T65 MODEL TR150 TR150T TR300 TR300T TR600 TR600T TR900 TR900T TRPC MODEL T300 PX100 MODEL	75VA solid state transformer. Halogen and Non-LED MR16 of 60VA solid state transformer with 8' cord and plug 150VA solid state transformer DESCRIPTION 150VA wet listed outdoor transformer with 8' cord and plug 150VA wet listed outdoor transformer with timer and 8' cord and plug 300VA wet listed outdoor transformer with timer and 8' cord and plug 600VA wet listed outdoor transformer with timer and 8' cord and plug 600VA wet listed outdoor transformer with 8' cord and plug 600VA wet listed outdoor transformer with timer and 8' cord and plug 900VA wet listed outdoor transformer with timer and 8' cord and plug 900VA wet listed outdoor transformer with timer and 8' cord and plug Photo cell for use with TR300, TR300T, TR600, TR600T, TR900, TR900T DESCRIPTION 300VA Pool and Spa Rated, Magnetic 100VA Pool and Spa Rated, Solid State
O-ring seals to insure fixture durability and weatherability Potted to protect against moisture Note: Do not bury inground transformers up to the top of the lid. Ensure hat soil does not reach the bottom of the transformer's lid. Follow installation procedures for inground fixtures for proper operation. Solid State Transformers (120 to 12 Volt) Quiet operation Small size High efficiency Epoxy seal to protect against damp conditions Ideal for use in listed J-Boxes or housings Fransformers with Cords, Plugs & Timers (120 to 12 Volt) Core and coil construction Epoxy impregnated for quiet, cool operation Thermostat protection on primary Circuit breaker protection on secondary Electrostatic grounded shield between primary and secondary On-off switch 12 volt easy wiring strip Equipped with 6' line cord and 3 prong plug hard wiring capability Fransformers for Under Water Fixtures (120 to 12 Volt) Pool and Spa Rated	MODEL T60 T61 T65 MODEL TR150 TR150T TR300 TR300T TR600 TR600T TR900 TR900T TRPC MODEL T300 PX100	75VA solid state transformer. Halogen and Non-LED MR16 of 60VA solid state transformer with 8' cord and plug 150VA solid state transformer DESCRIPTION 150VA wet listed outdoor transformer with 8' cord and plug 150VA wet listed outdoor transformer with timer and 8' cord and plug 300VA wet listed outdoor transformer with 8' cord and plug 300VA wet listed outdoor transformer with timer and 8' cord and plug 600VA wet listed outdoor transformer with 8' cord and plug 600VA wet listed outdoor transformer with 8' cord and plug 900VA wet listed outdoor transformer with 8' cord and plug 900VA wet listed outdoor transformer with timer and 8' cord and plug 900VA wet listed outdoor transformer with timer and 8' cord and plug Photo cell for use with TR300, TR300T, TR600, TR600T, TR900, TR900T DESCRIPTION 300VA Pool and Spa Rated, Magnetic 100VA Pool and Spa Rated, Solid State
O-ring seals to insure fixture durability and weatherability Potted to protect against moisture Note: Do not bury inground transformers up to the top of the lid. Ensure that soil does not reach the bottom of the transformer's lid. Follow installation procedures for inground fixtures for proper operation. Solid State Transformers (120 to 12 Volt) Quiet operation Small size High efficiency Epoxy seal to protect against damp conditions Ideal for use in listed J-Boxes or housings Fransformers with Cords, Plugs & Timers (120 to 12 Volt) Core and coil construction Epoxy impregnated for quiet, cool operation Thermostat protection on primary Circuit breaker protection on secondary Electrostatic grounded shield between primary and secondary On-off switch 12 volt easy wiring strip Equipped with 6' line cord and 3 prong plug hard wiring capability Fransformers for Under Water Fixtures (120 to 12 Volt) Pool and Spa Rated Low Wattage Transformers for LED use To be installed in wet listed J-box	MODEL T60 T61 T65 MODEL TR150 TR150T TR300 TR300T TR600 TR600T TR900 TR900T TRPC MODEL T300 PX100 MODEL T20-PK	75VA solid state transformer. Halogen and Non-LED MR16 of 60VA solid state transformer with 8' cord and plug 150VA solid state transformer DESCRIPTION 150VA wet listed outdoor transformer with 8' cord and plug 150VA wet listed outdoor transformer with timer and 8' cord and plug 300VA wet listed outdoor transformer with timer and 8' cord and plug 600VA wet listed outdoor transformer with timer and 8' cord and plug 600VA wet listed outdoor transformer with 8' cord and plug 600VA wet listed outdoor transformer with timer and 8' cord and plug 900VA wet listed outdoor transformer with timer and 8' cord and plug 900VA wet listed outdoor transformer with timer and 8' cord and plug 900VA wet listed outdoor transformer with timer and 8' cord and plug Photo cell for use with TR300, TR300T, TR600, TR600T, TR900, TR900T DESCRIPTION 300VA Pool and Spa Rated, Magnetic 100VA Pool and Spa Rated, Solid State DESCRIPTION 20VA Magnetic, 120V

