

POOL LIGHTING TRANSFORMERS

IMPORTANT INFORMATION



Which Transformer should you be using with your Spa Electrics Underwater Lights?

As stated in the Australian Electrical Standards (AS/NZS 3000:2007, Reference No 6.3.4.5 Luminaires, appliances and other electrical equipment) low voltage pool lighting is now required to be fitted with one light on one transformer. Multiple lights can be accommodated to one transformer if the transformer has been specifically designed under the new Electrical Standards.

SPA ELECTRICS have released two new dual light transformers, both adhere to the new Australian Electrical Standards by having two separate output lighting terminals (see example below).

Once you have chosen the type (Ceramic Light Engine LED or Halogen) and how many underwater lights to put in your pool, the tables below indicate which transformer/s you should use.

Halogen Pool Lights

Number of Pool Lights	Transformer requirements
1	1 x 100 VA – 12 volt transformer
2	1 x 200 VA – 12 volt transformer
3	1 x 100 VA – 12 volt transformer + 1 x 200 VA – 12 volt transformer (only one power outlet is necessary as the 100 VA will plug into the 200 VA)
4	1 x 200 VA – 12 volt transformer + 1 x 200 VA – 12 volt transformer (only one power outlet is necessary as the 200 VA will plug into the 200 VA)
5	1 x 200 VA – 12 volt transformer + 1 x 200 VA – 12 volt transformer + 1 x 100 VA – 12 volt transformer (only one power outlet is necessary as the 200 VA will plug into the 200 VA and the 100 VA will piggy back on the end of the second 200 VA)
more than 5	If you require more than five Halogen lights please contact Spa Electrics

Ceramic Light Engine LED Lights

Number of Pool Lights	Transformer requirements
1	1 x 25 VA – 12 volt transformer
2	1 x 50 VA – 12 volt transformer
3	1 x 25 VA – 12 volt transformer + 1 x 50 VA – 12 volt transformer (only one power outlet is necessary as the 25 VA will plug into the 50 VA)
4	1 x 50 VA – 12 volt transformer + 1 x 50 VA – 12 volt transformer (only one power outlet is necessary as the 50 VA will plug into the 50 VA)
5	1 x 50 VA – 12 volt transformer + 1 x 50 VA – 12 volt transformer + 1 x 25 VA – 12 volt transformer (only one power outlet is necessary as the 50 VA will plug into the 50 VA and the 25 VA will piggy back on the end of the second 50 VA)
more than 5	If you require more than five LED lights please contact Spa Electrics



Example of a 5 Halogen light transformer setup.