

Airfield Ground Lighting Series Transformers



ALS offers a complete range of Airfield Ground Lighting Series Transformers (AGLSTs), available from 30 to 500 Watts, with a wide combination of input and output currents. Leads of any length, or leads with any combination of plugs and sockets can be supplied along with 'daisy chains' of transformers. All ALS transformers are designed and manufactured to BS EN 61823. This also exceeds the requirements of the FAA AC 150/5345-47. All AGLSTs come encapsulated in high quality polyurethane resin and are suitable for burial directly into the ground or submersion. ALS AGLSTs are resistant to acid and alkaline soils and to chemicals such as oils, fuels and de-icing fluids which are commonly found on airfields.

Compliance:

All AGLSTs meet the following industry standards:

- BS EN 61823
- FAA specification AC 150/5345-47
- ICAO Design Manual, Part 5, Electrical Systems

Features:

- Encapsulated in a homogenous high quality polyurethane resin
- 8mm insulation between outer and any core components exceeding requirements of 6.5mm
- 12hr minimum water testing prior to despatch
- Ambient temperature range -55°C to +65°C
- Permanently marked with rating, product identification and manufacturer details
- Resistant to acid and alkaline soils, oils, fuels and de-icing fluids
- Materials used are also termite and rodent proof
- IP Rating equivalent to IP68

Applications:

- Military or civil airport AGL constant current circuits.

Options:

ALS also offer our unique 'Daisy Chaining' service, where strings of transformers are moulded to each other, minimising the number of onsite joints, whilst providing superior circuit insulation.

- Daisy chains of transformers up to a length of 6 of various sizes
- Plugs and sockets moulded on the primary cables

Airfield Ground Lighting Series Transformers (AGLST)

Electrical Data:

AGLST	Power Range	Variations available	Size	Weight
30 Watt	20W to 36W with output remaining within $\pm 1\%$ of 6.60A	30/6/6.6 30/6.6/6.6 30/12/6.6	L: 108mm W: 101mm H: 100mm	2.45 kg
36 Watt	25W to 45W with output remaining within $\pm 1\%$ of 6.60A	36/6/6.6 36/6.6/6.6 36/12/6.6	L: 108mm W: 101mm H: 100mm	2.45 kg
45 Watt	35W to 60W with output remaining within $\pm 1\%$ of 6.60A	45/6/6.6 45/6.6/6.6 45/12/6.6	L: 108mm W: 101mm H: 100mm	3.00 kg
65 Watt	50W to 85W with output remaining within $\pm 1\%$ of 6.60A	65/6/6.6 65/6.6/6.6 65/12/6.6	L: 129mm W: 110mm H: 104mm	3.70 kg
100 Watt	80W to 125W with output remaining within $\pm 1\%$ of 6.60A	100/6/6.6 100/6.6/6.6 100/12/6.6	L: 129mm W: 110mm H: 104mm	4.50 kg
150 Watt	120W to 178W with output remaining within $\pm 1\%$ of 6.60A	150/6/6.6 150/6.6/6.6 150/12/6.6	L: 133mm W: 133mm H: 104mm	5.00 kg
200 Watt	160W to 230W with output remaining within $\pm 1\%$ of 6.60A	150/6/6.6 150/6.6/6.6 150/12/6.6	L: 155mm W: 113mm H: 123mm	6.00 kg
300 Watt	220W to 338W with output remaining within $\pm 1\%$ of 6.60A	300/6/6.6 300/6.6/6.6 300/12/6.6	L: 155mm W: 123mm H: 123mm	7.90 kg
500 Watt	440W to 560W with output remaining within $\pm 1\%$ of 6.60A	500/6/6.6 500/6.6/6.6 500/12/6.6	L: 155mm W: 154mm H: 123mm	9.10 kg