als
AIRFIELD LIGHTING
SYSTEMS UK LTD

# Airfield Ground Lighting Transformers
## AGLST



## Compliance

All AGLSTs meet the following industry standards:
- BS EN 61823
- FAA specification AC 150/5345-47
- ICAO Design Manual, Part 5, Electrical Systems

ALS manufactures 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.

## 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

## Application

- 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

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## Characteristics

| AGLST | Power Range | Variations available | Size | Weight |
|---|---|---|---|---|
| 30 Watt | 20W to 36W with output remaining within ± 1% of 6.60A | 30/6/6.6<br>30/6.6/6.6<br>30/12/6.6 | L: 108mm<br>W: 101mm<br>H: 100mm | 2.45 kg |
| 36 Watt | 25W to 45W with output remaining within ± 1% of 6.60A | 36/6/6.6<br>36/6.6/6.6<br>36/12/6.6 | L: 108mm<br>W: 101mm<br>H: 100mm | 2.45 kg |
| 45 Watt | 35W to 60W with output remaining within ± 1% of 6.60A | 45/6/6.6<br>45/6.6/6.6<br>45/12/6.6 | L: 108mm<br>W: 101mm<br>H: 100mm | 3.00 kg |
| 65 Watt | 50W to 85W with output remaining within ± 1% of 6.60A | 65/6/6.6<br>65/6.6/6.6<br>65/12/6.6 | L: 129mm<br>W: 110mm<br>H: 104mm | 3.70 kg |
| 100 Watt | 80W to 125W with output remaining within ± 1% of 6.60A | 100/6/6.6<br>100/6.6/6.6<br>100/12/6.6 | L: 129mm<br>W: 110mm<br>H: 104mm | 4.50 kg |
| 150 Watt | 120W to 178W with output remaining within ± 1% of 6.60A | 150/6/6.6<br>150/6.6/6.6<br>150/12/6.6 | L: 133mm<br>W: 133mm<br>H: 104mm | 5.00 kg |
| 200 Watt | 160W to 230W with output remaining within ± 1% of 6.60A | 200/6/6.6<br>200/6.6/6.6<br>200/12.6/6.6 | L: 155mm<br>W: 113mm<br>H: 123mm | 6.00 kg |
| 300 Watt | 220W to 338W with output remaining within ± 1% of 6.60A | 300/6/6.6<br>300/6.6/6.6<br>300/12/6.6 | L: 155mm<br>W: 123mm<br>H: 123mm | 7.90 kg |
| 500 Watt | 440W to 560W with output remaining within ± 1% of 6.60A | 500/6/6.6<br>500/6.6/6.6<br>500/12/6.6 | L: 155mm<br>W: 154mm<br>H: 123mm | 9.10 kg |