

## Regulating Transformers TSR



### Compliance

All TSRs meet the following industry standards:

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

A regulating AGLST, or TSR, is an electronically controlled AGLST, designed to provide a different lighting profile to the other luminaries on the same circuit. All TSRs, are available in the following power ratings: 45W, 100W, 150W and 200W with input currents of 6.0A, 6.6A and 12A. The cost is higher than that for standard transformers but is negligible in comparison with the cost of providing a dedicated circuit and CCR.

### Features

- Unique to ALS
- Encapsulated in a homogenous high quality polyurethane pot
- 8mm insulation between outer and any core components exceeding requirements
- 12hr minimum water testing prior to despatch
- Ambient temperature range -20°C to +55°C
- Permanently marked with rating, product identification and manufacturer details
- Resistant to acid and alkaline soils, oils, fuels, de-icing fluids etc
- Materials used are also termite and rodent proof
- IP rating equivalent to IP68

Optional

- Plugs and sockets moulded on the primary cables

### Specification

Primary Current (A)	Normal Output Current (A)	TSR Output Current (A)
6.60	6.60	6.60
5.35	5.35	6.47
4.55	4.55	6.34
3.89	3.89	5.90
3.37	3.37	5.02
2.90	2.90	4.55

### Applications

- Lighting for turning circles
- Wig-Wags run from runway or taxiway circuits
- Wind socks
- Runway distance to go markers

### Options

AGLST	Power Range	Variations available
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
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
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
200 Watt	160W to 230W with output remaining within $\pm 1\%$ of 6.60A	200/6/6.6 200/6.6/6.6 200/12/6.6