

# ALSF-2 High Intensity Approach Lighting System Isolation Transformers



1500W - 20A/20A - 60Hz  
**Integro Part Number: 11768**

## Application

**Integro** FAA Approved Series Isolation Transformers are used to isolate high operating voltages for constant current airfield lights in a series circuit. They are encapsulated and designed to operate efficiently while submerged in water. They are approved to operate between - 55 C and + 70 C and can be installed above ground, in metal cans or direct buried.

## Where They are Used

**Integro** Series Isolation Transformers are installed at most major airports in the United States and Mexico, as well as in many countries in South America, Europe, Asia and Africa. Our American made Series Isolation Transformers are also preferred at our many military airports in the United States.

## Approvals and Testing

**Integro** Series Isolation Transformers are approved to the FAA-E-2690a specification and are certified by ITS Testing Labs. All **Integro** Transformers undergo 100% Quality Testing at 15kvDC after heating and 12 hour soaking. Transformers are tested and are compatible with New Bedford Panoramex ALSF-2 Lamps-Out power line carrier monitoring system.

## Design

**Integro** 1500W, 20A/20A Isolation Transformers are wound for 20 Amp primary circuit applications. They are encapsulated in two part epoxy for superior durability and dielectric strength and are manufactured with 2 primary and 1 secondary FAA L-823 listed leads. Also included is a strong, flexible, woven nylon strap for comfortable and easy handling.

The leads are:

**Style 2** – Male Primary Lead on 8/1 cable, 24" long

**Style 9** – Female Primary Lead on 8/1 cable, 24" long (Both leads are rated 25 Amps and 5,000 Volts)

**Style 8** – Female Secondary Lead on 10/2 cable, (rated 20 Amps and 600 Volts), 24" long

<u>Electrical Performance</u>		<u>Mechanical</u>	
Capacity:	1800W	<u>Transformer Body Dimensions (Excluding Leads and Handle)</u>	
Primary Current:	20A	Diameter:	9 inches
Power Factor:	≥ 0.90	Height:	5.5 inches
Efficiency:	≥ 0.95%	Diagonal:	10 inches
Frequency:	60Hz		
Secondary full load current:	19.8-20.2A		
Secondary short-circuited current:	20-22A		
Maximum secondary open-circuit voltage:	< 848.5V peak-peak		
Voltage rating:	Primary 5,000 RMS		
	Secondary 600V RMA		
Weight:	51 lbs (28kg)		