ISL540

MODEL NO: _____

TYPE: _____

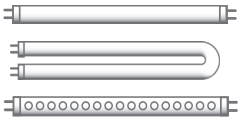
PROJECT: _____

COMMENTS: _____

INITIAL LUMEN OUTPUT

1300 Lumens

LAMPS OPERATED*



(1) 2-4 ft. 14W - 54W T5
(1) 2-4 ft. 17W-40W T8, incl. HO

(1) 36W-55W Biax

Select LED Retrofit Tubes

*Refer to Lumen Reference Chart and LED Retrofit Reference Chart for list of compatible lamps.

DESCRIPTION

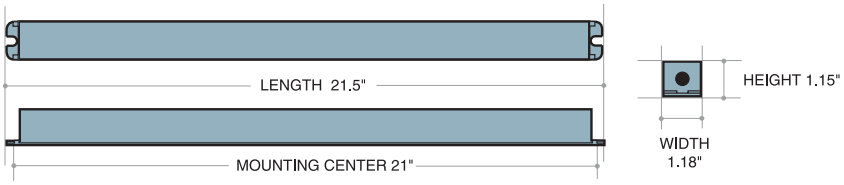
The **ISL540** from IOTA is a UL Listed fluorescent emergency ballast that allows the same fixture to be used for both normal and emergency operation. In the event of a power failure, the **ISL540** switches to the emergency mode and operates **one** of the existing lamps for **90 minutes**. The unit contains a battery, charger, and inverter circuit in a single can. The **ISL540** operates **T5** and **T8** lamps, including HO and 4-pin long compact fluorescent lamps from 36-55 watts at an initial output of up to **1300 lumens** for one lamp. **The ISL540 utilizes AC output to ensure compatibility with new lamp technologies**. The **ISL540** delivers high performance in a slim design and is ideal for use in linear lighting fixtures where ballast compartment space is limited. The **ISL540** is suitable for use in damp locations and in enclosed and gasketed fixtures.

SPECIFICATIONS

Input Voltage	(Dual) 120/277V, 60Hz
Input Wattage	3.5 Watts
Lamps Operated	Most 2′-4′ 14W to 54W T5 fluorescent lamps or 17W to 40W T8 lamps incl. HO and 36W-55W 4-pin long compact lamps
Emergency Operation	90 minutes
Initial Illumination	(1) lamp up to 1300 lumens
Operating Temp	0° to 50° C
Battery	24 Hour Recharge 7-10 Year Life Expectancy
Weight	3.0 lbs.
Approval	UL and CUL Listed

DIMENSIONS

21.5″ x 1.18″ x 1.15″ (mounting center 21.0″)



PRODUCT ADVANTAGES

- **Time Delay feature for compatibility with End-of-Lamp-Life circuitry**
- **Open Circuit Isolation protects unit when load is absent**
- **AC output for compatibility with Low-Mercury Content Amalgam lamps**
- **Slim profile design is ideal for smaller ballast compartments**

FEATURES

- Will cold start and operate all specified lamps
- Long life high temperature recyclable Ni-Cad battery
- Galvanized steel case
- Includes test switch and charge indicator accessory kit
- For use with switched or unswitched fixtures
- Rated for use in damp locations, plenum, and enclosed and gasketed fixtures
- **5-Year Warranty**
- Meets or exceeds all NEC, IBC, and Life Safety Code Emergency Lighting Requirements
- RoHS Compliant
- International Voltage Model available

FLUORESCENT

SLIM PROFILE

IOTA Emergency Lighting 1361 E. Wieding Road, Tucson, AZ 85706 Phone: 1-800-866-4682 E-mail: techsupport@iotaengineering.com Web: www.iotaengineering.com © 2020 Acuity Brands Lighting, Inc.

ISL540

SLIM PROFILE FLUORESCENT EMERGENCY BALLAST

CONFIGURATION

ISL540 — Input Voltage

- *[blank]* (Dual) 120/277V, 60Hz
- **220V50** 220V, 50Hz

ISL540 SAMPLE SPECIFICATION

Emergency lighting shall be provided by using a standard fluorescent fixture equipped with an **IOTA ISL540** fluorescent emergency battery pack. The **ISL540** shall consist of a high temperature, maintenance-free nickel cadmium battery, charger board and an electronic circuit enclosed in a 21.5″ x 1.18″ x 1.15″ vandal-resistant steel case for installation either inside the wireway or on top of the fixture. A combination one piece long-life LED charge indicator light and test switch shall be included. The fluorescent EM pack shall operate one (2′-4′) T5 or T8 HO or VHO linear lamp or one 36W-55W 4-pin long compact fluorescent lamp. The **ISL540** shall provide reduced illumination for a minimum of 90 minutes in the emergency mode with a total initial output of 1300 lumens, and **will operate the lamp with AC output**. The **ISL540** shall have 3.5 watts of input power and a battery capacity of 24 watt hours. The **ISL540** is UL Listed and meets or exceeds all NEC and Life Safety Code Emergency Lighting Requirements, and rated for use in damp locations and in enclosed and gasketed fixtures. The **ISL540** is warranted for a full five (5) years from the date of purchase.

INITIAL LUMEN RATINGS

LAMP	1 LAMP
14W T5	700
21W T5	850
24W T5	700
28W T5	1200
39W T5	1100
54W T5	1300
F17 T8	950
F25 T8	950
F28 T8	990
F32 T8	1100
F40 T8	1150
36W Long Compact	1025
40W Long Compact	1025
50W Long Compact	1000
55W Long Compact	1000

LED Retrofit Tube Options

This IOTA Emergency Ballast is UL Listed for emergency operation of select LED retrofit tube applications. For a complete list of acceptable LED retrofit tube options, refer to the **IOTA LED Retrofit Tube Reference Chart** at www.iotaengineering.com.

REMOTE MOUNTING

When battery packs are remote mounted, consult Customer Service for the maximum allowable distance between the battery pack and lamp(s).

Warranty: 5-Year Limited Warranty
Complete warranty terms located at *www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx*

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