PRODUCT SPECIFICATION SHEET

MODEL NO: ___________________________
TYPE: ___________________________
PROJECT: ___________________________
COMMENTS: ___________________________

INITIAL LUMEN OUTPUT
1350 Lumens

LAMPS OPERATED
[1] 2-4 ft. Bipin HO and VHO TB
[1] 2-4 ft. 14W-54W T5
[1] 13W-42W 4-PIN Compact

PRODUCT ADVANTAGES
• High Efficiency Performance meets CA T20 battery charger efficiency standards
• Reduced Profile design is ideal for shallow ballast compartments
• AC Output for compatibility with low mercury content amalgam lamps
• Time Delay feature for compatibility with End-of-Lamp-Life circuitry
• Open Circuit Isolation protects unit when load is absent

FEATURES
• Will cold start and operate all specified lamps
• Long life high temperature recyclable Ni-Cad battery
• Galvanized steel case
• Includes single-piece TBTS 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
• Lamp selector leads optimize light output for desired lamp type
• Meets or exceeds all NEC, IBC, and Life Safety Code Emergency Lighting Requirements
• RoHS Compliant

DESCRIPTION
The I320 HE from IOTA Engineering is a UL Listed emergency ballast that allows the same fixture to be used for both normal and emergency operation. In the event of a power failure, the I320 HE 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, and can be mounted in the wireway or on top of the fixture. The I320 HE can be used with most 2′-4′ T8 lamps and 2′-4′ 14W to 54W T5 lamps with an initial output of up to 1350 lumens for one lamp. The I320 HE utilizes AC output to ensure compatibility with new lamp technologies, and features lamp selector leads for optimizing light output for the designated lamp type. The I320 HE is suitable for use in damp locations and in enclosed and gasketed fixtures. The shallow profile design is ideal for use in fixtures where ballast compartment space is limited. The I320 HE features high-efficiency performance and is certified in the CA Title 20 Appliance Efficiency Database.

SPECIFICATIONS
Input Voltage ................................................................. (Universal) 120-277V, 50/60Hz
Input Wattage ................................................................. 3.7 Watts
Lamps Operated ................................................................. Most 2′-4′ single, bipin T8 HO and VHO and 2′-4′ 14W to 54W T5 fluorescent lamps
Power Factor ................................................................. ≥ 0.9 at 120VAC
Surge Protection ................................................................. Meets ANSI/IEEE C62.41.2-2002
Emergency Operation* ........................................................ (1) 2′-4′ 90 minutes
Initial Illumination ................................................................. (1) lamp up to 1350 lumens
Operating Temp ................................................................. 0° to 55° C
Battery ................................................................. 24 Hour Recharge
7-10 Year Life Expectancy
Weight ................................................................. 3.0 lbs.
Certifications ................................................................. UL Listed
CA T20 Appliance Efficiency Database

DIMENSIONS
16.35″ x 2.3″ x 1.2″ (mounting center: 16.0 x 1.57″)

*Refer to Lumen Reference Chart and LED Retrofit Reference Chart for list of compatible lamps.
1 PF ≥ 0.85 at 277VAC
I320 HE SAMPLE SPECIFICATION

Emergency lighting shall be provided by using a fixture equipped with an IOTA I320 HE emergency battery pack. The I320 HE shall consist of a high temperature, maintenance-free nickel cadmium battery, charger board and an electronic circuit enclosed in a 16.35" x 2.3" x 1.2" vandal-resistant steel case for installation in 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 emergency battery pack shall operate one 14W-54W T5 (2'-4'), or 17W-32W (2'-4') T8 fluorescent lamps. The I320 HE shall provide reduced illumination for a minimum of 90 minutes in the emergency mode with a total initial output of 1350 lumens. The I320 HE will operate the lamp with AC output and will feature lamp selector leads for optimizing light output for the designated lamp type. The I320 HE shall have 3.7 watts of input power and a battery capacity of 28.8 watt hours, shall monitor and adjust the input power consumption and be certified in the CA Title 20 Modernized Appliance Efficiency Database System (MAEDBS) as a small battery charger. The I320 HE 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 I320 HE is warranted for a full five (5) years from the date of purchase.

SAMPLE SPECIFICATION for CA TITLE 20

Emergency lighting shall be provided by using a standard fixture equipped with an integral emergency battery pack. The EM pack shall consist of a high temperature, maintenance-free nickel cadmium battery, charger board and an electronic circuit enclosed in a steel case for installation either inside the wireway or on top of the fixture. A long-life LED charge indicator light and test switch shall be included. The emergency battery pack shall operate one 14W-54W T5 (2'-4') or 17W-32W (2'-4') T8 fluorescent lamps. The EM pack shall provide reduced illumination for a minimum of 90 minutes in the emergency mode with a total initial output of 1350 lumens. The emergency battery pack will operate the lamp with AC output and will feature lamp selector leads for optimizing light output for the designated lamp type. The unit shall have 3.7 watts of input power and a battery capacity of 28.8 watt hours, shall monitor and adjust the input power consumption and be certified in the CA Title 20 Modernized Appliance Efficiency Database System (MAEDBS) as a small battery charger. The emergency battery pack must be UL Listed and meet or exceed all NEC and Life Safety Code Emergency Lighting Requirements, and rated for use in damp locations and in enclosed and gasketed fixtures. All product shall be warranted for a full five (5) years from the date of purchase.

INITIAL LUMEN RATINGS

<table>
<thead>
<tr>
<th>LAMP</th>
<th>1 LAMP</th>
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<tbody>
<tr>
<td>F17 T8</td>
<td>630</td>
</tr>
<tr>
<td>F25 T8</td>
<td>1200</td>
</tr>
<tr>
<td>F28 T8</td>
<td>1215</td>
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<tr>
<td>F32 T8</td>
<td>1350</td>
</tr>
<tr>
<td>14W T5</td>
<td>745</td>
</tr>
<tr>
<td>21W T5</td>
<td>1150</td>
</tr>
<tr>
<td>24W T5</td>
<td>815</td>
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<td>28W T5</td>
<td>1200</td>
</tr>
<tr>
<td>39W T5</td>
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<tr>
<td>54W T5</td>
<td>1150</td>
</tr>
<tr>
<td>13W PL CF 4-Pin</td>
<td>565</td>
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<tr>
<td>18W PL CF Quad 4-Pin</td>
<td>665</td>
</tr>
<tr>
<td>26W PL CF Quad 4-Pin</td>
<td>915</td>
</tr>
<tr>
<td>32W PL CF Quad 4-Pin</td>
<td>1115</td>
</tr>
<tr>
<td>42W PL CF Quad 4-Pin</td>
<td>1030</td>
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</tbody>
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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

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/IOTA-LED-Retrofit.pdf