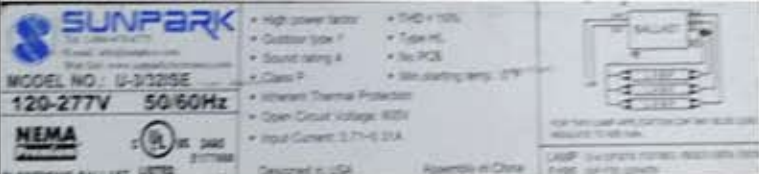

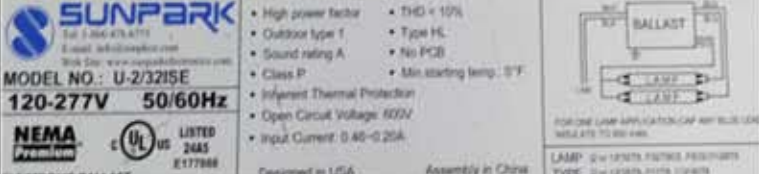
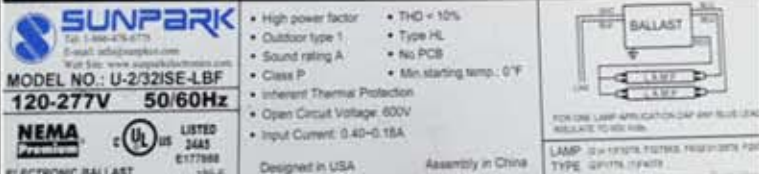
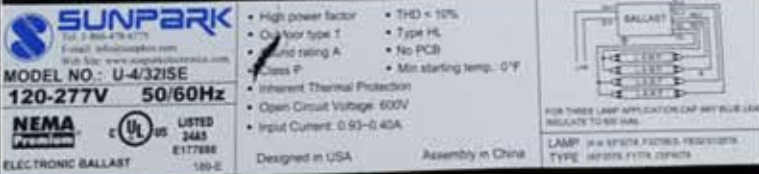






# LEDSION Ballast compatible list

No.	BRAND	MODEL No.	Ballast content
1	Sunpark	U-3/32ISE	 <p><b>SUNPARK</b>          MODEL NO.: U-3/32ISE          120-277V 50/60Hz          NEMA Premium          LISTED 3445 E177888          ELECTRONIC BALLAST</p> <ul style="list-style-type: none"> <li>High power factor</li> <li>Outdoor type 1</li> <li>Sound rating A</li> <li>Class P</li> <li>Inherent Thermal Protection</li> <li>Open Circuit Voltage: 600V</li> <li>Input Current: 0.71-0.21A</li> <li>THD &lt; 10%</li> <li>Type HL</li> <li>No PCB</li> <li>Min starting temp: 0°F</li> </ul> <p>Designed in USA Assembly in China</p>
2	Sunpark	120-3/32IS MPF	 <p><b>SUNPARK</b>          MODEL NO.: 120-3/32IS MPF          120V 60Hz          ELECTRONIC BALLAST          NORMAL POWER FACTOR          INSTANT START          MIN. STARTING TEMP: 0°F</p> <ul style="list-style-type: none"> <li>OPEN CIRCUIT VOLTAGE: 600V</li> <li>FCC PART 18 CONSUMER CLASS B</li> <li>INPUT CURRENT: 1.35A</li> <li>TYPE HL</li> <li>THD &lt; 10%</li> <li>ACOUSTIC RATING A</li> <li>RESIDENT THERMAL PROTECTION</li> <li>CLASS P</li> <li>NO PCB</li> </ul> <p>DESIGNED IN USA ASSEMBLED IN CHINA</p>
3	Sunpark	U-2/32ISE	 <p><b>SUNPARK</b>          MODEL NO.: U-2/32ISE          120-277V 50/60Hz          NEMA Premium          LISTED 3445 E177888          ELECTRONIC BALLAST</p> <ul style="list-style-type: none"> <li>High power factor</li> <li>Outdoor type 1</li> <li>Sound rating A</li> <li>Class P</li> <li>Inherent Thermal Protection</li> <li>Open Circuit Voltage: 600V</li> <li>Input Current: 0.40-0.20A</li> <li>THD &lt; 10%</li> <li>Type HL</li> <li>No PCB</li> <li>Min starting temp: 0°F</li> </ul> <p>Designed in USA Assembly in China</p>
4	Sunpark	U-2/32ISE-LBF	 <p><b>SUNPARK</b>          MODEL NO.: U-2/32ISE-LBF          120-277V 50/60Hz          NEMA Premium          LISTED 3445 E177888          ELECTRONIC BALLAST</p> <ul style="list-style-type: none"> <li>High power factor</li> <li>Outdoor type 1</li> <li>Sound rating A</li> <li>Class P</li> <li>Inherent Thermal Protection</li> <li>Open Circuit Voltage: 600V</li> <li>Input Current: 0.40-0.18A</li> <li>THD &lt; 10%</li> <li>Type HL</li> <li>No PCB</li> <li>Min starting temp: 0°F</li> </ul> <p>Designed in USA Assembly in China</p>
5	Sunpark	U-4/32ISE	 <p><b>SUNPARK</b>          MODEL NO.: U-4/32ISE          120-277V 50/60Hz          NEMA Premium          LISTED 3445 E177888          ELECTRONIC BALLAST</p> <ul style="list-style-type: none"> <li>High power factor</li> <li>Outdoor type 1</li> <li>Sound rating A</li> <li>Class P</li> <li>Inherent Thermal Protection</li> <li>Open Circuit Voltage: 600V</li> <li>Input Current: 0.93-0.40A</li> <li>THD &lt; 10%</li> <li>Type HL</li> <li>No PCB</li> <li>Min starting temp: 0°F</li> </ul> <p>Designed in USA Assembly in China</p>
6	Advance-Philips	REB-2P32-SC	 <p><b>PHILIPS ADVANCE</b>          Technical Information 1.800.572.3331          Rosemead, CA</p> <p><b>AmbiStar™</b>  <b>REB-2P32-SC</b>          Instant-Start Electronic Ballast</p> <p>ASSEMBLED IN MEXICO</p> <ul style="list-style-type: none"> <li>Ballast a Semi-Conductor High Power Factor Class P, Sound Rated A, Type 1 Outdoor</li> <li>Inherent Thermal Protection</li> <li>Protection Thermiques Integree</li> <li>No PCB's</li> </ul> <p>FOR RESIDENTIAL USE ONLY</p> <p>GROUNDING: Ballast case must be grounded. Mount lamps within 3/4" of grounded metal reflector.</p> <p>WARNING: Install in accordance with National and Local Electrical Codes.</p>
7	Advance-Philips	IOPA-2P32-N	 <p><b>PHILIPS ADVANCE</b>          Technical Information 1.800.572.3331          Rosemead, CA</p> <p><b>Optimum™</b>  <b>IOPA-2P32-N</b>          Instant Start Electronic Ballast</p> <p>ASSEMBLED IN MEXICO</p> <ul style="list-style-type: none"> <li>Ballast a Semi-Conductor High Power Factor Class P, Sound Rated A, Type 1 Outdoor</li> <li>Inherent Thermal Protection</li> <li>Protection Thermiques Integree</li> <li>Type HL</li> <li>No PCB's</li> </ul> <p>GROUNDING: Ballast case must be grounded. Mount lamps within 3/4" of grounded metal reflector.</p> <p>WARNING: Install in accordance with National and Local Electrical Codes.</p>
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9	Advance-Philips	IOPA-4P32-N	 <p><b>PHILIPS ADVANCE</b>          Technical Information 1.800.572.3331          Rosemead, CA</p> <p><b>Centium™</b>  <b>IOPA-4P32-N</b>          Instant Start Electronic Ballast</p> <p>ASSEMBLED IN MEXICO</p> <ul style="list-style-type: none"> <li>Ballast a Semi-Conductor High Power Factor Class P, Sound Rated A, Type 1 Outdoor</li> <li>Inherent Thermal Protection</li> <li>Protection Thermiques Integree</li> <li>No PCB's</li> </ul> <p>GROUNDING: Ballast case must be grounded. Mount lamps within 3/4" of grounded metal reflector.</p> <p>WARNING: Install in accordance with National and Local Electrical Codes.</p>

10	Advance-Philips	IOPA-3P32-SC	<p><b>PHILIPS ADVANCE</b> Technical Information 1.800.372.3333 Rensselaer, N.Y.</p> <p><b>Optimum® IOPA-3P32-SC</b> Instant Start Electronic Ballast</p> <p>ASSEMBLED IN MEXICO</p> <p><b>RoHS COMPLIANT</b></p> <p>Ballast a Semi-Conductor High Power Factor Class P, Sound Rated A Type 1 Outdoor Inherent Thermal Protection Protection Thermiques Integree No PCB's</p> <p>GROUNDING: Ballast case must be grounded. Mount lamps within 34" of grounded metal reflector.</p> <p>WARNING: Install in accordance with National and Local Electrical Codes</p> <p>OCU 380V</p> <p>Isolate unused leads for 800V</p>																					
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12	Advance-Philips	REB-4P32-SC	<p>宝瑞恒业</p> <p>120 VOLTS 1.57 Amps 60 Hertz</p> <p><b>PHILIPS ADVANCE</b> Technical Information 1.800.372.3333 Rensselaer, N.Y.</p> <p><b>AmbiStar® REB-4P32-SC</b> Instant Start Electronic Ballast</p> <p>ASSEMBLED IN MEXICO</p> <p><b>SP NRTL/C</b></p> <p><b>UL LISTED 7046</b></p> <p><b>NEMA Premium®</b> RoHS COMPLIANT</p> <p>Ballast a Semi-Conductor High Power Factor Class P, Sound Rated A Type 1 Outdoor Inherent Thermal Protection Protection Thermiques Integree No PCB's</p> <p>GROUNDING: Ballast case must be grounded. Mount lamps within 34" of grounded metal reflector.</p> <p>WARNING: Install in accordance with National and Local Electrical Codes</p> <p>OCU 380V</p> <p>Isolate unused leads for 80V</p>																					
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20 Sylvania osram QTP 4X32T8/UNV ISN-SC

**SYLVANIA**  
OSRAM SYLVANIA, Inc.  
Danvers, MA

**QUICKTRONIC®**  
Professional Series  
Lamp Striation Control  
**QUICK60®**  
System Warranty

120-277V

QTP 4x32T8/UNV ISN-SC  
4-Lamp Instant Start T8 Electronic Ballast  
UNIVERSAL VOLTAGE RANGE

LAMP TYPES	LINE CURRENT	Max. Start Temp.
1x32T8	1.10A @ 120V	20°C/68°F
2x32T8	1.10A @ 120V	20°C/68°F
3x32T8	1.10A @ 120V	20°C/68°F
4x32T8	1.10A @ 120V	20°C/68°F
1x32T8	1.10A @ 277V	20°C/68°F
2x32T8	1.10A @ 277V	20°C/68°F
3x32T8	1.10A @ 277V	20°C/68°F
4x32T8	1.10A @ 277V	20°C/68°F

Made in Slovakia  
For Service or Technical Assistance  
Call 1-800-LIGHTS-88

21 Sylvania osram QHE 1X32T8/347 ISN-SC

**SYLVANIA**  
OSRAM SYLVANIA, Inc.  
Danvers, MA

**QUICKTRONIC®**  
High-Efficiency  
**QUICK60®**  
System Warranty

347V

QHE 1x32T8/347 ISN-SC  
1-Lamp Instant Start T8 Electronic Ballast  
347V RANGE

LAMP TYPES	LINE CURRENT	Max. Start Temp.
1x32T8	1.10A @ 347V	20°C/68°F

Made in China  
For Service or Technical Assistance  
Call 1-800-LIGHTS-88

22 Sylvania osram QTP 1X32T8/UNV ISN-SC

**SYLVANIA**  
OSRAM SYLVANIA, Inc.  
Danvers, MA

**QUICKTRONIC®**  
Professional Series  
Lamp Striation Control  
**QUICK60®**  
System Warranty

120-277V

QTP 1x32T8/UNV ISN-SC  
1-Lamp Instant Start T8 Electronic Ballast  
UNIVERSAL VOLTAGE RANGE

LAMP TYPES	LINE CURRENT	Max. Start Temp.
1x32T8	1.10A @ 120V	20°C/68°F
1x32T8	1.10A @ 277V	20°C/68°F

Made in China  
For Service or Technical Assistance  
Call 1-800-LIGHTS-88

23 Sylvania osram QHE 1X32T8/UNV ISN-SC-1

**SYLVANIA**  
OSRAM SYLVANIA, Inc.  
Danvers, MA

**QUICKTRONIC®**  
High-Efficiency - Type CC  
Lamp Striation Control  
**QUICK60®**  
System Warranty

120-277V

QHE 1x32T8/UNV ISN-SC-1  
1-Lamp Instant Start T8 Electronic Ballast  
UNIVERSAL VOLTAGE RANGE

LAMP TYPES	LINE CURRENT	Max. Start Temp.
1x32T8	1.10A @ 120V	20°C/68°F
1x32T8	1.10A @ 277V	20°C/68°F

Made in China  
For Service or Technical Assistance  
Call 1-800-LIGHTS-88

24 Sylvania osram QHE 2X32T8/UNV ISL-SC-1

**SYLVANIA**  
OSRAM SYLVANIA, Inc.  
Danvers, MA

**QUICKTRONIC®**  
High-Efficiency - Type CC  
Lamp Striation Control  
**QUICK60®**  
System Warranty

120-277V

QHE 2x32T8/UNV ISL-SC-1  
2-Lamp Instant Start T8 Electronic Ballast  
UNIVERSAL VOLTAGE RANGE

LAMP TYPES	LINE CURRENT	Max. Start Temp.
2x32T8	1.10A @ 120V	20°C/68°F
2x32T8	1.10A @ 277V	20°C/68°F

Made in China  
For Service or Technical Assistance  
Call 1-800-LIGHTS-88

25 GE PROLINE GE-432-120-N

**GE PROLINE T8**  
High-Performance Electronic Ballast

GE-432-120-N  
Instant Start, 120 Volts, 50/60 Hz

For 3 lamp operation, insulate unused blue lead to 600Vrms

**WARNING**  
RISK OF ELECTRIC SHOCK  
• Turn power off before servicing  
• Properly ground ballast and fixture

120V

26 GE PROLINE GE432-120RES-DIY

**GE PROLINE T8**  
High-Performance Electronic Ballast

GE432-120RES-DIY  
Instant Start, 120 Volts, 50/60 Hz

For 3 lamp operation, insulate unused blue lead to 600Vrms

**WARNING**  
RISK OF ELECTRIC SHOCK  
• Turn power off before servicing  
• Properly ground ballast and fixture

120V

27 GE PROLINE GE432MV-N

**GE MULTI-VOLT PROLINE T8**  
High-Performance Electronic Ballast

GE432MV-N  
120 to 277 Volts, 50/60 Hz

For 3 lamp operation, insulate unused blue lead to 600Vrms

**WARNING**  
RISK OF ELECTRIC SHOCK  
• Turn power off before servicing  
• Properly ground ballast and fixture

120-277V

28 GE PROLINE GE-232-MV-N

**GE MULTI-VOLT PROLINE T8**  
High-Performance Electronic Ballast

GE-232-MV-N  
120-277 Volts, 50/60 Hz

For 2 lamp operation, insulate unused blue lead to 600Vrms

**WARNING**  
RISK OF ELECTRIC SHOCK  
• Turn power off before servicing  
• Properly ground

120-277V

29 GE PROLINE GE332MV-L

**GE MULTI-VOLT PROLINE T8**  
High-Performance Electronic Ballast







GE332MV-L  
120 to 277 Volts, 50/60 Hz

For 2 lamp operation, insulate unused blue lead to 600Vrms

**WARNING**  
RISK OF ELECTRIC SHOCK  
• Turn power off before servicing  
• Properly ground

120-277V

30	GE PROLINE	GE232MV-N-DIY	
31	GE PROLINE	GE232-120RES-DIY	
32	GE ULTRAMAX	GE432MAX347-N	
33	GE ULTRAMAX	GE432MAX-H/ULTRA	
34	GE ULTRAMAX	GE332MAX90-V60	
35	GE ULTRAMAX	GE232MAX-N/ULTRA	
36	GE ULTRAMAX	GE232MAX347-N	
37	GE ULTRAMAX	GE132MAX-N/ULTRA	
38	GE ULTRAMAX	GE432MAX-N/ULTRA	
39	GE ULTRAMAX	GE-432-MAX-N/ULTRA	

40	GE ULTRA MAX	GE432MAX-G-N	
41	GE ULTRA MAX	GE432MAX-L/ULTRA	
42	HOWARD INDUSTRIES	EP3/32IS/MV/MC/HE	
43	Robertson	ISU232T8120	
44	Universal Triad	B232IUNVHP-B	
45	Universal Triad	B332IUNVHP-A	
46	SUPERIOR LIFE	70201	
47	KEYSTONE	CAT. NO. KTEB-432-UA-IS-N-P	
48	RADIONIC	CAT. NO. E232H12	
49	Prolume	EP232IS/L/MV/SL	

50

EB-232IS-120-RES

### Pacific Fluorescent Lamp Ballast

EB-232IS-120-RES  
 120VAC 50/60Hz  
 1.15A  
 INHERENT THERMAL PROTECTION  
 NORMAL PF > 0.95

UL LISTED 3443  
 TYPE HL  
 MIN. STARTING TEMP. 27° F

NO PCB'S, CLASS F  
 FCC PART 15 CONSUMER CLASS B1  
 INHERENT THERMAL PROTECTION  
 NORMAL PF > 0.95 TYPE HL  
 MIN. STARTING TEMP. 27° F

TYPE 1 OUTDOOR  
 SOUND RATING 2  
 THL = 100%  
 O.C.R. = 300 V

WARNING: Install in accordance with National Electrical Code. Disconnect the voltage before servicing or making repairs.

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WH5-120-L

**120V**  
50/60Hz

70°C max.  
T<sub>c</sub>

**Fulham WINKHORSE 5**  
 SOLID STATE ELECTRONIC BALLAST  
**MODEL : WH5-120-L**  
 APPROVED FOR LAMP COMBINATION OF  
 T8, T8, T8HO, T8L, T10, T10BL, T10HO, CPT8AP, FT10P, CPT8P,  
 FOD8P, CPT8AP, CPT8P, T8 CIRCLINE, T8 CIRCLINE  
 WHEN USED PER FULHAM'S WIRING SPECS.

INPUT 120VAC 50/60Hz  
 MAXIMUM CURRENT 1.15A  
 EFFICIENCY FCC PART 15 A  
 SOUND RATING 5  
 CLASS F  
 MIN. LAMP START SEE LAMP SPECS.  
 TYPE 1 OR 2 OUTDOOR  
 MAX. VOLTAGE OUTPUT  
 CIRCUIT OR TO GROUND + 300VAC  
 MIN. BALLAST START - 27° F  
 INSTANT START  
 HIGH POWER FACTOR

UL LISTED  
 FLUORESCENT  
 LAMP BALLAST  
 2402

WARNING: Install in Accordance With The National Electrical Code. Disconnect Power Before Servicing.

SUITABLE FOR "AIR HANDLING SPACES", TYPE "HL" APPROVED

BALLAST MUST BE GROUNDING