







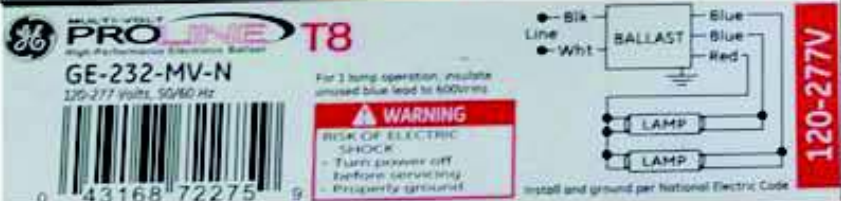



## Ballast compatible list

| No. | BRAND           | MODEL No.      | Ballast content                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|-----|-----------------|----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1   | Sunpark         | U-3/32ISE      |  <ul style="list-style-type: none"> <li>High power factor</li> <li>Outdoor type 1</li> <li>Sound rating A</li> <li>Class F</li> <li>Instant 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>                                                                                                                                                                                                                     |
| 2   | Sunpark         | 120-3/32IS MPF |  <ul style="list-style-type: none"> <li>High power factor</li> <li>Outdoor type 1</li> <li>Sound rating A</li> <li>Class F</li> <li>Instant 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><b>CAUTION</b><br/>DISCONNECT LINE BEFORE REPAIRING BALLAST TO PREVENT SHOCK AND BURN IN BALLAST.</p> <p><b>PRECAUTION</b><br/>NEVER REPAIR BALLAST. REPLACE BALLAST WITH SAME TYPE. DISCONNECT FROM POWER.</p> |
| 3   | Sunpark         | U-2/32ISE      |  <ul style="list-style-type: none"> <li>High power factor</li> <li>Outdoor type 1</li> <li>Sound rating A</li> <li>Class F</li> <li>Instant Thermal Protection</li> <li>Open Circuit Voltage 600V</li> <li>Input Current 0.40~0.25A</li> <li>THD &lt; 10%</li> <li>Type HL</li> <li>No PCB</li> <li>Min. starting temp. 0°F</li> </ul>  <p>LAMP: See wiring fixture requirements. TYPE: See wiring fixture labels.</p>                                                                                                                                     |
| 4   | Sunpark         | U-2/32ISE-LBF  |  <ul style="list-style-type: none"> <li>High power factor</li> <li>Outdoor type 1</li> <li>Sound rating A</li> <li>Class F</li> <li>Instant Thermal Protection</li> <li>Open Circuit Voltage 600V</li> <li>Input Current 0.40~0.16A</li> <li>THD &lt; 10%</li> <li>Type HL</li> <li>No PCB</li> <li>Min. starting temp. 0°F</li> </ul>  <p>LAMP: See wiring fixture requirements. TYPE: See wiring fixture labels.</p>                                                                                                                                     |
| 5   | Sunpark         | U-4/32ISE      |  <ul style="list-style-type: none"> <li>High power factor</li> <li>Outdoor type 1</li> <li>Sound rating A</li> <li>Class F</li> <li>Instant Thermal Protection</li> <li>Open Circuit Voltage 600V</li> <li>Input Current 0.90~0.40A</li> <li>THD &lt; 10%</li> <li>Type HL</li> <li>No PCB</li> <li>Min. starting temp. 0°F</li> </ul>  <p>LAMP: See wiring fixture requirements. TYPE: See wiring fixture labels.</p>                                                                                                                                   |
| 6   | Advance-Philips | REB-2P32-SC    |  <ul style="list-style-type: none"> <li>Ballast &amp; Lamp Connector</li> <li>High Power Factor</li> <li>Class F, Sound Rating A</li> <li>Instant Thermal Protection</li> <li>Protection Thermoplastic Integrated</li> <li>No PCB's</li> <li>THD &lt; 10%</li> <li>Type HL</li> <li>Min. starting temp. 0°F</li> </ul>  <p><b>WARNING:</b> Install in accordance with National and Local Electrical Codes.</p>                                                                                                                                         |
| 7   | Advance-Philips | IOPA-2P32-N    |  <ul style="list-style-type: none"> <li>Ballast &amp; Lamp Connector</li> <li>High Power Factor</li> <li>Class F, Sound Rating A</li> <li>Instant Thermal Protection</li> <li>Protection Thermoplastic Integrated</li> <li>Type HL</li> <li>THD &lt; 10%</li> </ul>  <p><b>WARNING:</b> Install in accordance with National and Local Electrical Codes.</p>                                                                                                                                                                                            |
| 8   | Advance-Philips | IOPA-3P32-N    |  <ul style="list-style-type: none"> <li>Ballast &amp; Lamp Connector</li> <li>High Power Factor</li> <li>Class F, Sound Rating A</li> <li>Instant Thermal Protection</li> <li>Protection Thermoplastic Integrated</li> <li>Type HL</li> <li>THD &lt; 10%</li> </ul>  <p><b>WARNING:</b> Install in accordance with National and Local Electrical Codes.</p>                                                                                                                                                                                            |
| 9   | Advance-Philips | IOPA-4P32-N    |  <ul style="list-style-type: none"> <li>Ballast &amp; Lamp Connector</li> <li>High Power Factor</li> <li>Class F, Sound Rating A</li> <li>Instant Thermal Protection</li> <li>Protection Thermoplastic Integrated</li> <li>No PCB's</li> <li>THD &lt; 10%</li> </ul>  <p><b>WARNING:</b> Install in accordance with National and Local Electrical Codes.</p>                                                                                                                                                                                           |

|    |                 |                       |  |
|----|-----------------|-----------------------|--|
| 10 | Advance-Philips | IOPA-3P32-SC          |  |
| 11 | Advance-Philips | ICN-3P32-N            |  |
| 12 | Advance-Philips | REB-4P32-SC           |  |
| 13 | Advance-Philips | ICN-3P32-SC           |  |
| 14 | Advance-Philips | ICN-4P32-N            |  |
| 15 | Advance-Philips | IOPA-2P32-LW-N        |  |
| 16 | Advance-Philips | IOPA-3P32-LW-N        |  |
| 17 | Advance-Philips | IOPA-4P32-LW-N        |  |
| 18 | Sylvania osram  | QTP 2X32T8/UNV ISN-SC |  |
| 19 | Sylvania osram  | QTP 3X32T8/UNV ISN-SC |  |

| 20         | Sylvania<br>osram | QTP 4X32T8/UNV<br>ISN-SC   |  <p><b>SYLVANIA</b><br/>OSRAM SYLVANIA, Inc.<br/>Darien, MA</p> <p><b>QUICKTRONIC®</b><br/>Professional Series<br/>4-Lamp Instant Start T8 Ballast<br/>UNIVERSAL VOLTAGE BALLAST</p> <p>120-277V</p> <table border="1"> <thead> <tr> <th>LAMP TYPES</th> <th>LINE CURRENT</th> <th>Min. Start Temp.</th> </tr> </thead> <tbody> <tr> <td>T8000</td> <td>1.46</td> <td>275-285</td> </tr> <tr> <td>T8002</td> <td>1.46</td> <td>275-285</td> </tr> <tr> <td>T8003</td> <td>1.46</td> <td>275-285</td> </tr> <tr> <td>T8004</td> <td>1.46</td> <td>275-285</td> </tr> </tbody> </table>                                                      | LAMP TYPES | LINE CURRENT | Min. Start Temp. | T8000 | 1.46 | 275-285 | T8002 | 1.46 | 275-285 | T8003 | 1.46 | 275-285 | T8004 | 1.46 | 275-285 |
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| T8000      | 1.46              | 275-285                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |            |              |                  |       |      |         |       |      |         |       |      |         |       |      |         |
| T8002      | 1.46              | 275-285                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |            |              |                  |       |      |         |       |      |         |       |      |         |       |      |         |
| T8003      | 1.46              | 275-285                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |            |              |                  |       |      |         |       |      |         |       |      |         |       |      |         |
| T8004      | 1.46              | 275-285                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |            |              |                  |       |      |         |       |      |         |       |      |         |       |      |         |
| 21         | Sylvania<br>osram | QHE 1X32T8/347<br>ISN-SC   |  <p><b>SYLVANIA</b><br/>OSRAM SYLVANIA, Inc.<br/>Darien, MA</p> <p><b>QUICKTRONIC®</b><br/>High-Efficiency<br/>1-Lamp Instant Start T8 Ballast<br/>347V</p> <p>347V</p> <table border="1"> <thead> <tr> <th>LAMP TYPES</th> <th>LINE CURRENT</th> <th>Min. Start Temp.</th> </tr> </thead> <tbody> <tr> <td>T8000</td> <td>1.46</td> <td>275-285</td> </tr> <tr> <td>T8002</td> <td>1.46</td> <td>275-285</td> </tr> <tr> <td>T8003</td> <td>1.46</td> <td>275-285</td> </tr> <tr> <td>T8004</td> <td>1.46</td> <td>275-285</td> </tr> </tbody> </table>                                                                                 | LAMP TYPES | LINE CURRENT | Min. Start Temp. | T8000 | 1.46 | 275-285 | T8002 | 1.46 | 275-285 | T8003 | 1.46 | 275-285 | T8004 | 1.46 | 275-285 |
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| 22         | Sylvania<br>osram | QTP 1X32T8/UNV<br>ISN-SC   |  <p><b>SYLVANIA</b><br/>OSRAM SYLVANIA, Inc.<br/>Darien, MA</p> <p><b>QUICKTRONIC®</b><br/>Professional Series<br/>1-Lamp Instant Start T8 Ballast<br/>UNIVERSAL VOLTAGE BALLAST</p> <p>120-277V</p> <table border="1"> <thead> <tr> <th>LAMP TYPES</th> <th>LINE CURRENT</th> <th>Min. Start Temp.</th> </tr> </thead> <tbody> <tr> <td>T8000</td> <td>1.46</td> <td>275-285</td> </tr> <tr> <td>T8002</td> <td>1.46</td> <td>275-285</td> </tr> <tr> <td>T8003</td> <td>1.46</td> <td>275-285</td> </tr> <tr> <td>T8004</td> <td>1.46</td> <td>275-285</td> </tr> </tbody> </table>                                                    | LAMP TYPES | LINE CURRENT | Min. Start Temp. | T8000 | 1.46 | 275-285 | T8002 | 1.46 | 275-285 | T8003 | 1.46 | 275-285 | T8004 | 1.46 | 275-285 |
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| 23         | Sylvania<br>osram | QHE 1X32T8/UNV<br>ISN-SC-1 |  <p><b>SYLVANIA</b><br/>OSRAM SYLVANIA, Inc.<br/>Darien, MA</p> <p><b>QUICKTRONIC®</b><br/>High-Efficiency - Type CC<br/>1-Lamp Instant Start T8 Ballast<br/>UNIVERSAL VOLTAGE BALLAST</p> <p>120-277V</p> <p><b>QUICK800®</b><br/>System Warranty</p> <table border="1"> <thead> <tr> <th>LAMP TYPES</th> <th>LINE CURRENT</th> <th>Min. Start Temp.</th> </tr> </thead> <tbody> <tr> <td>T8000</td> <td>1.46</td> <td>275-285</td> </tr> <tr> <td>T8002</td> <td>1.46</td> <td>275-285</td> </tr> <tr> <td>T8003</td> <td>1.46</td> <td>275-285</td> </tr> <tr> <td>T8004</td> <td>1.46</td> <td>275-285</td> </tr> </tbody> </table>  | LAMP TYPES | LINE CURRENT | Min. Start Temp. | T8000 | 1.46 | 275-285 | T8002 | 1.46 | 275-285 | T8003 | 1.46 | 275-285 | T8004 | 1.46 | 275-285 |
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| 24         | Sylvania<br>osram | QHE 2X32T8/UNV<br>ISL-SC-1 |  <p><b>SYLVANIA</b><br/>OSRAM SYLVANIA, Inc.<br/>Darien, MA</p> <p><b>QUICKTRONIC®</b><br/>High-Efficiency - Type CC<br/>2-Lamp Instant Start T8 Ballast<br/>UNIVERSAL VOLTAGE BALLAST</p> <p>120-277V</p> <p><b>QUICK800®</b><br/>System Warranty</p> <table border="1"> <thead> <tr> <th>LAMP TYPES</th> <th>LINE CURRENT</th> <th>Min. Start Temp.</th> </tr> </thead> <tbody> <tr> <td>T8000</td> <td>1.46</td> <td>275-285</td> </tr> <tr> <td>T8002</td> <td>1.46</td> <td>275-285</td> </tr> <tr> <td>T8003</td> <td>1.46</td> <td>275-285</td> </tr> <tr> <td>T8004</td> <td>1.46</td> <td>275-285</td> </tr> </tbody> </table> | LAMP TYPES | LINE CURRENT | Min. Start Temp. | T8000 | 1.46 | 275-285 | T8002 | 1.46 | 275-285 | T8003 | 1.46 | 275-285 | T8004 | 1.46 | 275-285 |
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| 25         | GE PROLINE        | GE-432-120-N               |  <p><b>GE PROLINE T8</b><br/>High-Performance Electronic Ballast</p> <p>GE-432-120-N<br/>Instant Start, 120 Volts, 50/60 Hz</p> <p>For 3-lamp operation, individually insulate blue leads to 600Vrms install and ground per National Electrical Code</p> <p><b>WARNING</b><br/>RISK OF ELECTRIC SHOCK<br/>• Turn power off before servicing<br/>• Properly ground ballast and fixture</p> <p>120V</p>                                                                                                                                                                                                                                  |            |              |                  |       |      |         |       |      |         |       |      |         |       |      |         |
| 26         | GE PROLINE        | GE432-120RES-DIY           |  <p><b>GE PROLINE T8</b><br/>High-Performance Electronic Ballast</p> <p>GE432-120RES-DIY<br/>Instant Start, 120 Volts, 50/60 Hz</p> <p>For 2-lamp operation, insulate one blue lead to 600Vrms install and ground per National Electrical Code</p> <p><b>WARNING</b><br/>RISK OF ELECTRIC SHOCK<br/>• Turn power off before servicing<br/>• Properly ground ballast and fixture</p> <p>120V</p>                                                                                                                                                                                                                                        |            |              |                  |       |      |         |       |      |         |       |      |         |       |      |         |
| 27         | GE PROLINE        | GE432MV-N                  |  <p><b>GE MULTI-VOLT PROLINE T8</b><br/>High-Performance Electronic Ballast</p> <p>GE432MV-N<br/>120 to 277 Volts, 50/60 Hz</p> <p>For 3-lamp operation, insulate unused blue lead to 600Vrms</p> <p><b>WARNING</b><br/>RISK OF ELECTRIC SHOCK<br/>• Turn power off before servicing<br/>• Properly ground ballast and fixture</p> <p>120-277V</p>                                                                                                                                                                                                                                                                                     |            |              |                  |       |      |         |       |      |         |       |      |         |       |      |         |
| 28         | GE PROLINE        | GE-232-MV-N                |  <p><b>GE MULTI-VOLT PROLINE T8</b><br/>High-Performance Electronic Ballast</p> <p>GE-232-MV-N<br/>120-277 Volts, 50/60 Hz</p> <p>For 3-lamp operation, insulate unused blue lead to 600Vrms</p> <p><b>WARNING</b><br/>RISK OF ELECTRIC SHOCK<br/>• Turn power off before servicing<br/>• Properly ground</p> <p>120-277V</p>                                                                                                                                                                                                                                                                                                          |            |              |                  |       |      |         |       |      |         |       |      |         |       |      |         |
| 29         | GE PROLINE        | GE332MV-L                  |  <p><b>GE MULTI-VOLT PROLINE T8</b><br/>High-Performance Electronic Ballast</p> <p>GE332MV-L<br/>120 to 277 Volts, 50/60 Hz</p> <p>For 2-lamp operation, insulate unused blue lead to 600Vrms</p> <p><b>WARNING</b><br/>RISK OF ELECTRIC SHOCK<br/>• Turn power off before servicing<br/>• Properly ground</p> <p>120-277V</p>                                                                                                                                                                                                                                                                                                         |            |              |                  |       |      |         |       |      |         |       |      |         |       |      |         |

|    |             |                    |  |
|----|-------------|--------------------|--|
| 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 |  | <p align="center"><b>EB-232IS-120-RES</b></p> |
|----|--|-----------------------------------------------|



|    |  |                                        |
|----|--|----------------------------------------|
| 51 |  | <p align="center"><b>WH5-120-L</b></p> |
|----|--|----------------------------------------|

