



LED T8 Ballast Compatibility Chart

| Ballast Brand*     | Part Number              | # Of Lamps | Start Method | Lamp Connection | 1 Lamp |      | 2 Lamps |      | 3 Lamps |         | 4 Lamps |         | Ballast Type | Factor Value |
|--------------------|--------------------------|------------|--------------|-----------------|--------|------|---------|------|---------|---------|---------|---------|--------------|--------------|
|                    |                          |            |              |                 | 120V   | 277V | 120V    | 277V | 120V    | 277V    | 120V    | 277V    |              |              |
| ACT                | ACT 2P32ISUNVE           | 2          | IS           | Parallel        | ✓      | P    | ✓       | ✓    | -       | -       | -       | -       | N            | 0.89         |
| Antron Electronics | A32T8MICLO               | 2          | IS           | Parallel        | ✓      | ✓    | ✓       | ✓    | -       | -       | -       | -       | L            | 0.78         |
| Arcata             | ACT 3P32ISUNVLE          | 3          | IS           | Parallel        | -      | -    | ✓       | ✓    | ✓       | ✓       | -       | -       | L            | 0.78         |
| Damar              | EL232-120/277HF(1688B)   | 2          | IS           | Parallel        | ✓      | P,F  | ✓       | F    | -       | -       | -       | -       | N            | NA           |
| Damar              | EL232HL-120/277HF(1688D) | 2          | IS           | Parallel        | ✓      | ✓    | ✓       | ✓    | -       | -       | -       | -       | H            | NA           |
| Damar              | EL332-120/277HF(3654C)   | 3          | IS           | Parallel        | -      | -    | ✓       | ✓    | ✓       | ✓       | -       | -       | N            | NA           |
| Damar              | EL332HL-120/277HF(3654H) | 3          | IS           | Parallel        | -      | -    | ✓       | ✓    | ✓       | ✓       | -       | -       | H            | NA           |
| Damar              | EL432-120/277HF(3093B)   | 4          | IS           | Parallel        | -      | -    | -       | -    | ✓       | T       | ✓       | ✓       | N            | NA           |
| Damar              | EL432HL-120/277HF(3093C) | 4          | IS           | Parallel        | -      | -    | -       | -    | ✓       | ✓       | ✓       | ✓       | H            | NA           |
| Damar              | EL232DIM/120/277HF       | 2          | DPS          | Series          | NC     | NC   | NC      | NC   | -       | -       | -       | -       | L            | NA           |
| Eiko               | PM-2X32T8-UNV-IS-L       | 2          | IS           | Parallel        | ✓      | ✓    | ✓       | ✓    | -       | -       | -       | -       | L            | 0.77         |
| Eiko               | PM-3X32T8-UNV-IS         | 3          | IS           | Parallel        | -      | -    | ✓       | ✓    | ✓       | ✓       | -       | -       | N            | 0.87         |
| Eiko               | PM-3X32T8-UNV-IS-H       | 3          | IS           | Parallel        | -      | -    | ✓       | ✓    | ✓       | ✓       | -       | -       | H            | 1.18         |
| Eiko               | PM-3X32T8-UNV-IS-L       | 3          | IS           | Parallel        | -      | -    | ✓       | ✓    | ✓       | ✓       | -       | -       | L            | 0.78         |
| Eiko               | PM-4X32T8-UNV-IS         | 4          | IS           | Parallel        | -      | -    | -       | -    | ✓       | ✓       | ✓       | ✓       | N            | 0.88         |
| Eiko               | PM-4X32T8-UNV-IS-L       | 4          | IS           | Parallel        | -      | -    | -       | -    | ✓       | ✓       | ✓       | ✓       | L            | 0.78         |
| Eiko               | PM-2X32T8-UNV-IS         | 2          | IS           | Parallel        | ✓      | ✓    | ✓       | ✓    | -       | -       | -       | -       | N            | 0.87         |
| Eiko               | PM-2x32T8-UNV-IS-H       | 2          | IS           | Parallel        | ✓      | ✓    | ✓       | ✓    | -       | -       | -       | -       | H            | 1.18         |
| Eiko               | PM-3X32T8-UNV-PS         | 3          | PS           | Series          | -      | -    | NC      | NC   | NC      | NC      | -       | -       | N            | 0.88         |
| Eiko               | PM-3X32T8-UNV-PS-H       | 3          | PS           | Series          | -      | -    | NC      | NC   | NC      | NC      | -       | -       | H            | 1.18         |
| Eiko               | PM-2x32T8-UNV-PS         | 2          | PS           | Parallel        | NC     | NC   | NC      | NC   | -       | -       | -       | -       | N            | 0.88         |
| Espen              | VE232MVHIPE              | 2          | IS           | Parallel        | ✓      | ✓    | ✓       | ✓    | -       | -       | -       | -       | N            | 0.89         |
| Espen              | VE232MVHIPHE             | 2          | IS           | Parallel        | ✓      | ✓    | ✓       | ✓    | -       | -       | -       | -       | H            | 1.19         |
| Espen              | VE232MVHIPE              | 2          | IS           | Parallel        | ✓      | ✓    | ✓       | ✓    | -       | -       | -       | -       | L            | 0.77         |
| Espen              | VE232MVHRPHT3-AB         | 2          | DPS          | Series          | NC     | NC   | NC      | NC   | -       | -       | -       | -       | H            | 1.2          |
| General Electric   | GE-232-MV-N              | 2          | IS           | Parallel        | ✓      | ✓    | ✓       | ✓    | -       | -       | -       | -       | N            | 0.88         |
| General Electric   | GE232MAX-N/ULTRA         | 2          | IS           | Parallel        | ✓      | ✓    | ✓       | ✓    | -       | -       | -       | -       | N            | 0.88         |
| General Electric   | GE432MAX-H/ULTRA         | 4          | IS           | Parallel        | -      | -    | -       | -    | ✓       | P,T     | ✓       | P,T     | H            | 1.18         |
| General Electric   | GE432MAX-L/ULTRA         | 4          | IS           | Parallel        | -      | -    | -       | -    | ✓       | ✓       | ✓       | ✓       | L            | 0.78         |
| General Electric   | GE-232-MAX-H/Ultra       | 2          | IS           | Parallel        | NC     | NC   | NC      | NC   | -       | -       | -       | -       | H            | 1.15         |
| General Electric   | GE432MAX-G-N             | 4          | IS           | Parallel        | -      | -    | -       | -    | ✓       | ✓       | ✓       | ✓       | N            | 0.88         |
| General Electric   | GE132MAX-G-N             | 1          | IS           | NA              | NC     | NC   | -       | -    | -       | -       | -       | -       | N            | 0.88         |
| General Electric   | GE132MAX-H/ULTRA         | 1          | IS           | NA              | ✓      | ✓    | -       | -    | -       | -       | -       | -       | H            | 1.18         |
| General Electric   | GE132MAX-L/ULTRA         | 1          | IS           | NA              | NC     | NC   | -       | -    | -       | -       | -       | -       | L            | 0.78         |
| General Electric   | GE132MAXP-N/ULTRA        | 1          | IS           | NA              | ✓      | ✓    | -       | -    | -       | -       | -       | -       | N            | 0.88         |
| General Electric   | GE232MV-N-DIY            | 2          | IS           | Parallel        | ✓      | ✓    | ✓       | ✓    | -       | -       | -       | -       | N            | 0.88         |
| General Electric   | GE232MAX-L/ULTRA         | 2          | IS           | Parallel        | ✓      | ✓    | ✓       | ✓    | -       | -       | -       | -       | L            | 0.78         |
| General Electric   | GE332MV-N                | 3          | IS           | Parallel        | -      | -    | ✓       | ✓    | ✓       | ✓       | -       | -       | N            | 0.87         |
| General Electric   | GE332MAX-N/ULTRA         | 3          | IS           | Parallel        | -      | -    | ✓       | ✓    | ✓       | ✓       | -       | -       | N            | 0.88         |
| General Electric   | GE332MAX-L/ULTRA         | 3          | IS           | Parallel        | -      | -    | ✓       | ✓    | ✓       | ✓       | -       | -       | L            | 0.78         |
| General Electric   | GE332MAX-G-N             | 3          | IS           | Parallel        | -      | -    | ✓       | ✓    | ✓       | ✓       | -       | -       | N            | 0.87         |
| General Electric   | GE332MAXP-H/ULTRA        | 3          | IS           | Parallel        | -      | -    | ✓       | ✓    | ✓       | ✓       | -       | -       | H            | 1.18         |
| General Electric   | GE432-120-RES            | 4          | IS           | Parallel        | -      | -    | -       | -    | ✓       | NA      | ✓       | NA      | N            | 0.83         |
| General Electric   | GE432MV-N-42T            | 4          | IS           | Parallel        | -      | -    | -       | -    | ✓       | ✓       | ✓       | ✓       | N            | 0.93         |
| General Electric   | GE432MAX-N/ULTRA         | 4          | IS           | Parallel        | -      | -    | -       | -    | ✓       | ✓       | ✓       | ✓       | N            | 0.88         |
| General Electric   | GE432MAX347-N            | 4          | IS           | Parallel        | -      | -    | -       | -    | NA      | 347V, T | NA      | 347V, ✓ | N            | 0.94         |
| General Electric   | GE232MAXP90-V60          | 2          | IS           | Parallel        | ✓      | P,T  | ✓       | P,T  | -       | -       | -       | -       | H            | 1.18         |
| General Electric   | GE332MAXP90-V60          | 3          | IS           | Parallel        | -      | -    | ✓       | P,T  | ✓       | T       | -       | -       | H            | 1.18         |
| General Electric   | GE432MAXP90-S60          | 4          | IS           | Parallel        | -      | -    | -       | -    | ✓       | ✓       | ✓       | ✓       | H            | 1.18         |
| General Electric   | GE432MAX-H/ULTRA         | 4          | IS           | Parallel        | -      | -    | -       | -    | ✓       | ✓       | ✓       | ✓       | H            | 1.18         |
| General Electric   | GE232MAX-G-L             | 2          | IS           | Parallel        | ✓      | ✓    | ✓       | ✓    | -       | -       | -       | -       | L            | 0.77         |
| General Electric   | GE332MAXP-L/ULTRA        | 3          | IS           | Parallel        | -      | -    | ✓       | ✓    | ✓       | ✓       | -       | -       | L            | 0.77         |
| General Electric   | GE232MAX-G-N             | 2          | IS           | Parallel        | ✓      | ✓    | ✓       | ✓    | -       | -       | -       | -       | N            | 0.88         |
| General Electric   | GE-232-MAX-H-42T         | 2          | IS           | Parallel        | ✓      | ✓    | ✓       | ✓    | -       | -       | -       | -       | H            | NA           |
| General Electric   | GE432MAX-H-42T           | 4          | IS           | Parallel        | -      | -    | -       | -    | ✓       | ✓       | ✓       | ✓       | H            | NA           |
| General Electric   | 332MAX-H-84TS            | 3          | IS           | Parallel        | -      | -    | ✓       | ✓    | ✓       | ✓       | -       | -       | H            | NA           |
| General Electric   | 332MAX-H-42T             | 3          | IS           | Parallel        | -      | -    | ✓       | ✓    | ✓       | ✓       | -       | -       | H            | NA           |
| General Electric   | GE232-MVPS-N             | 2          | PS           | Parallel        | ✓      | P    | ✓       | ✓    | -       | -       | -       | -       | N            | 0.88         |
| General Electric   | GE-332-MVPS-N            | 3          | PS           | Parallel        | -      | -    | ✓       | ✓    | ✓       | ✓       | -       | -       | N            | 0.88         |
| General Electric   | GE432-MVPS-N             | 4          | PS           | Parallel        | -      | -    | -       | -    | ✓       | T       | ✓       | F       | N            | 0.88         |
| General Electric   | GE432MVPS-N-V03          | 4          | PS           | Parallel        | -      | -    | -       | -    | NC      | NC      | NC      | NC      | N            | 0.9          |
| General Electric   | GE-232-MV-PS-N           | 2          | PS           | Parallel        | ✓      | ✓    | ✓       | ✓    | -       | -       | -       | -       | N            | 0.88         |
| General Electric   | GE232MVPS-L-S30          | 2          | DPS          | Parallel        | NC     | NC   | NC      | NC   | -       | -       | -       | -       | N            | 0.96         |
| General Electric   | GE132MVPSN-V03           | 1          | DPS          | NA              | NC     | NC   | -       | -    | -       | -       | -       | -       | N            | 0.88         |
| General Electric   | GE332MVPSN-V03           | 3          | DPS          | Parallel        | -      | -    | NC      | NC   | NC      | NC      | -       | -       | N            | 0.98         |
| Halco              | EP232IS/MV/HE            | 2          | IS           | Parallel        | ✓      | ✓    | ✓       | ✓    | -       | -       | -       | -       | N            | 0.88         |
| Halco              | EP332IS/MV/HE            | 3          | IS           | Parallel        | -      | -    | ✓       | ✓    | ✓       | ✓       | -       | -       | N            | 0.87         |
| Halco              | EP432IS/MV/HE            | 4          | IS           | Parallel        | -      | -    | -       | -    | ✓       | ✓       | ✓       | ✓       | N            | 0.88         |
| Halco              | EP432IS/L/MV/HE          | 4          | IS           | Parallel        | -      | -    | -       | -    | ✓       | ✓       | ✓       | ✓       | L            | 0.78         |
| Halco              | EP232IS/L/MV/HE          | 2          | IS           | Parallel        | ✓      | ✓    | ✓       | ✓    | -       | -       | -       | -       | L            | 0.78         |
| Halco              | EP232IS/H/MV/HE          | 2          | IS           | Parallel        | ✓      | ✓    | ✓       | ✓    | -       | -       | -       | -       | H            | 1.18         |
| Halco              | EP332IS/L/MV/HE          | 3          | IS           | Parallel        | -      | -    | ✓       | ✓    | ✓       | ✓       | -       | -       | L            | 0.78         |
| Halco              | EP432IS/120/MC           | 4          | IS           | Parallel        | -      | -    | -       | -    | ✓       | ✓       | ✓       | ✓       | N            | 0.88         |
| Hatch              | HL232BIS/UV/HE/W         | 2          | IS           | Parallel        | ✓      | ✓    | ✓       | ✓    | -       | -       | -       | -       | N            | 0.9          |
| Hatch              | HL432BIS/UV/HE/W         | 4          | IS           | Parallel        | -      | -    | -       | -    | ✓       | ✓       | ✓       | ✓       | N            | 0.9          |

| Ballast Brand*            | Part Number              | # Of Lamps | Start Method | Lamp Connection | 1 Lamp |       | 2 Lamps |       | 3 Lamps |      | 4 Lamps |      | Ballast Type | Factor Value |
|---------------------------|--------------------------|------------|--------------|-----------------|--------|-------|---------|-------|---------|------|---------|------|--------------|--------------|
|                           |                          |            |              |                 | 120V   | 277V  | 120V    | 277V  | 120V    | 277V | 120V    | 277V |              |              |
| Howard Industries         | EPH4/32IS/MV/SC/HE       | 4          | IS           | Parallel        | -      | -     | -       | -     | NC      | NC   | NC      | NC   | H            | 1.16         |
| Howard Industries         | EP3/32IS/MV/SC/HE        | 3          | IS           | Parallel        | -      | -     | ✓       | ✓     | ✓       | ✓    | -       | -    | N            | 0.87         |
| Howard Industries         | EPL4/32IS/MV/MC/HE       | 4          | IS           | Parallel        | -      | -     | -       | -     | ✓       | ✓    | ✓       | ✓    | L            | 0.77         |
| Howard Industries         | EPH2/32IS/MV/MC/HE       | 2          | IS           | Parallel        | ✓      | ✓     | ✓       | ✓     | -       | -    | -       | -    | H            | 1.18         |
| Howard Industries         | E2/32IS-120MC            | 2          | IS           | Parallel        | P,T    | NA    | P,T     | NA    | -       | -    | -       | -    | N            | 0.85         |
| Howard Industries         | EPL2/32IS/MV/MC/HE       | 2          | IS           | Parallel        | ✓      | P,T   | ✓       | F     | -       | -    | -       | -    | L            | 0.78         |
| Howard Industries         | EPL3/32IS/MV/SC/HE       | 3          | IS           | Parallel        | -      | -     | ✓       | ✓     | ✓       | ✓    | -       | -    | L            | 0.78         |
| Howard Industries         | EP4/32IS/MV/MC/HE        | 4          | IS           | Parallel        | -      | -     | -       | -     | ✓       | ✓    | ✓       | ✓    | N            | 0.88         |
| Howard Industries         | EP2/32IS/MV/MC/HE        | 2          | IS           | Parallel        | ✓      | ✓     | ✓       | ✓     | -       | -    | -       | -    | N            | 0.89         |
| Howard Industries         | EP3/32IS/MV/MC/HE        | 3          | IS           | Parallel        | -      | -     | ✓       | F     | ✓       | F    | -       | -    | N            | 0.88         |
| Howard Industries         | EPH3/32IS/MV/MC/HE       | 3          | IS           | Parallel        | -      | -     | ✓       | ✓     | ✓       | ✓    | -       | -    | N            | 0.91         |
| Howard Industries         | EP2/32PRS/MV/MC/HE       | 2          | PRS          | Parallel        | NC     | NC    | NC      | NC    | -       | -    | -       | -    | N            | 0.86         |
| Howard Industries         | EP4/32PPRS/MV/SC/HE      | 4          | PRS          | Parallel        | -      | -     | -       | -     | ✓       | F    | ✓       | ✓    | N            | NA           |
| Keystone                  | KTEB-232-UV-IS-N-P       | 2          | IS           | Parallel        | ✓      | ✓     | ✓       | ✓     | -       | -    | -       | -    | N            | 0.87         |
| Keystone                  | KTEB-432RIS-1-TP-SL      | 4          | IS           | Parallel        | -      | -     | -       | -     | ✓       | NA   | ✓       | NA   | N            | 0.8          |
| Keystone                  | KTEB-332-UV-IS-N-P       | 3          | IS           | Parallel        | -      | -     | ✓       | ✓     | ✓       | ✓    | -       | -    | N            | 0.87         |
| Keystone                  | KTEB-432-UV-IS-N-P       | 4          | IS           | Parallel        | -      | -     | -       | -     | ✓       | P    | ✓       | ✓    | N            | 0.87         |
| Keystone                  | KTEB-232LBF-1-TP-PIC-EV  | 2          | IS           | Parallel        | ✓      | NA    | ✓       | NA    | -       | -    | -       | -    | N            | 0.88         |
| Keystone                  | KTEB-232-UV-IS-H-P       | 2          | IS           | Parallel        | ✓      | ✓     | ✓       | ✓     | -       | -    | -       | -    | H            | 1.18         |
| Keystone                  | KTEB-332-UV-IS-H-P       | 3          | IS           | Parallel        | -      | -     | ✓       | F     | ✓       | F    | -       | -    | H            | 1.18         |
| Keystone                  | KTEB-432-UV-IS-H-P       | 4          | IS           | Parallel        | -      | -     | -       | -     | ✓       | ✓    | ✓       | ✓    | H            | 1.18         |
| Keystone                  | KTEB-132-1-TP-FC         | 1          | RS           | NA              | ✓      | NA    | -       | -     | -       | -    | -       | -    | N            | NA           |
| Lighting Products Limited | EB-332EBF-UV-TP-HE       | 3          | IS           | Parallel        | -      | -     | ✓       | ✓     | ✓       | ✓    | -       | -    | L            | 0.78         |
| Maxlite                   | SKEU322HEL/SC            | 2          | IS           | Parallel        | ✓      | ✓     | ✓       | ✓     | -       | -    | -       | -    | L            | 0.77         |
| Maxlite                   | SKEU324HE/SC             | 4          | IS           | Parallel        | -      | -     | -       | -     | ✓       | ✓    | ✓       | ✓    | N            | 0.88         |
| Maxlite                   | SKEU323L/SC              | 3          | IS           | Parallel        | -      | -     | ✓       | ✓     | ✓       | ✓    | -       | -    | L            | 0.78         |
| Maxlite                   | MLEU322HEL/SC            | 2          | IS           | Parallel        | ✓      | ✓     | ✓       | ✓     | -       | -    | -       | -    | N            | 0.83         |
| Maxlite                   | MLEU323H/SC              | 3          | IS           | Parallel        | -      | -     | ✓       | P,T   | ✓       | P,T  | -       | -    | H            | 1.18         |
| Maxlite                   | MLEU324HE/SC             | 4          | IS           | Parallel        | -      | -     | -       | -     | ✓       | ✓    | ✓       | ✓    | N            | 0.88         |
| Osram Sylvania            | QHE 2x32T8/347 PSN-SC    | 2          | PRS          | Parallel        | NC     | NC    | NC      | NC    | -       | -    | -       | -    | N            | 0.88         |
| Osram Sylvania            | QTP 2X32T8/UNV ISN-SC    | 2          | IS           | Parallel        | ✓      | ✓     | ✓       | ✓     | -       | -    | -       | -    | N            | 0.88         |
| Osram Sylvania            | QHE 2X32T8/UNV ISN-SC    | 2          | IS           | Parallel        | ✓      | ✓     | ✓       | ✓     | -       | -    | -       | -    | N            | 0.88         |
| Osram Sylvania            | QHE 2X32T8/UNV ISL-SC    | 2          | IS           | Parallel        | ✓      | ✓     | ✓       | ✓     | -       | -    | -       | -    | L            | 0.78         |
| Osram Sylvania            | QHE 3X32T8/UNV ISH-SC    | 3          | IS           | Parallel        | -      | -     | N       | N     | N       | N    | -       | -    | H            | 1.18         |
| Osram Sylvania            | QHE 4X32T8/UNV ISN-SC    | 4          | IS           | Parallel        | -      | -     | -       | -     | ✓       | ✓    | ✓       | ✓    | N            | 0.88         |
| Osram Sylvania            | QHE 4X32T8/UNV ISL-SC    | 4          | IS           | Parallel        | -      | -     | -       | -     | ✓       | ✓    | ✓       | ✓    | L            | 0.78         |
| Osram Sylvania            | QTP 4x32T8/UNV ISN-SC    | 4          | IS           | Parallel        | -      | -     | -       | -     | ✓       | P,T  | ✓       | P,T  | N            | 0.88         |
| Osram Sylvania            | QHE 1X32T8/UNV ISN-SC    | 1          | IS           | NA              | ✓      | ✓     | -       | -     | -       | -    | -       | -    | N            | 0.88         |
| Osram Sylvania            | QHE 1X32T8/UNV ISL-SC    | 1          | IS           | NA              | ✓      | ✓     | -       | -     | -       | -    | -       | -    | L            | 0.78         |
| Osram Sylvania            | QHE 2X32T8/UNV ISH-SC    | 2          | IS           | Parallel        | P,T    | P,T   | N,P,T   | P,T   | -       | -    | -       | -    | H            | 1.2          |
| Osram Sylvania            | QTP 3X32T8/UNV ISN-SC    | 3          | IS           | Parallel        | -      | -     | ✓       | ✓     | ✓       | ✓    | -       | -    | N            | 0.88         |
| Osram Sylvania            | QHE 3X32T8/UNV ISN-SC    | 4          | IS           | Parallel        | -      | -     | -       | -     | ✓       | ✓    | ✓       | ✓    | N            | 0.88         |
| Osram Sylvania            | QHE 3X32T8/UNV ISL-SC    | 3          | IS           | Parallel        | -      | -     | ✓       | ✓     | ✓       | ✓    | -       | -    | L            | 0.78         |
| Osram Sylvania            | QTP2x32T8/277 ISN-D      | 2          | IS           | Parallel        | NA     | ✓     | NA      | ✓     | -       | -    | -       | -    | L            | 0.78         |
| Osram Sylvania            | QT2X32/120 IS-SC         | 2          | IS           | Parallel        | P,T    | NA    | P,T     | NA    | -       | -    | -       | -    | N            | 0.9          |
| Osram Sylvania            | QHE 3x32T8/UNV ISH HT-SC | 3          | IS           | Parallel        | -      | -     | ✓       | ✓     | ✓       | ✓    | -       | -    | H            | 1.18         |
| Osram Sylvania            | QTP 2X32T8/UNV ISL-SC    | 2          | IS           | Parallel        | ✓      | ✓     | ✓       | ✓     | -       | -    | -       | -    | L            | 0.78         |
| Osram Sylvania            | QHE 2X32T8/UNV ISH HT-SC | 2          | IS           | Parallel        | ✓      | ✓     | ✓       | ✓     | -       | -    | -       | -    | H            | NA           |
| Osram Sylvania            | QHE 4x32T8/UNV ISH-SC    | 4          | IS           | Parallel        | -      | -     | -       | -     | NC      | NC   | NC      | NC   | H            | NA           |
| Osram Sylvania            | QT 2x32/347 ISH-SC       | 2          | IS           | Parallel        | NA     | 347V✓ | NA      | 347V✓ | -       | -    | -       | -    | H            | 1.2          |
| Osram Sylvania            | QHE 4X32T8/UNV PSX-SC    | 4          | PRS          | Parallel        | -      | -     | -       | -     | ✓       | ✓    | ✓       | ✓    | L            | 0.71         |
| Osram Sylvania            | QHE 2X32T8/UNV PSH-HT    | 2          | PRS          | Parallel        | ✓      | ✓     | ✓       | ✓     | -       | -    | -       | -    | H            | 1.18         |
| Osram Sylvania            | QHE 2X32T8/UNV PSN-MC    | 2          | PRS          | Parallel        | ✓      | ✓     | ✓       | ✓     | -       | -    | -       | -    | N            | 0.88         |
| Osram Sylvania            | QHE 3X32T8/UNV PSN-SC    | 3          | PRS          | Parallel        | -      | -     | ✓       | ✓     | ✓       | ✓    | -       | -    | N            | 0.88         |
| Osram Sylvania            | QTP 3X32T8/UNV PSX-SC    | 3          | PRS          | Series          | -      | -     | NC      | NC    | NC      | NC   | -       | -    | L            | 0.71         |
| Osram Sylvania            | QTP3X32T8/UNV PSN-SC     | 3          | PRS          | Series          | -      | -     | NC      | NC    | NC      | NC   | -       | -    | N            | 0.88         |
| Osram Sylvania            | QHE 4X32T8/UNV PSN-SC    | 4          | PRS          | Parallel        | -      | -     | -       | -     | ✓       | ✓    | ✓       | ✓    | N            | 0.88         |
| Osram Sylvania            | QHE 2X32T8/UNV DIM-TC    | 2          | PRS          | Series          | NC     | NC    | NC      | NC    | -       | -    | -       | -    | N            | 0.88         |
| Osram Sylvania            | QTP2x32T8/UNV DIM-TC     | 2          | DPS          | NA              | NC     | NC    | NC      | NC    | -       | -    | -       | -    | N            | 0.88         |
| Osram Sylvania            | QHE 1X32T8/UNV DIM-TC    | 1          | DPS          | NA              | NC     | NC    | -       | -     | -       | -    | -       | -    | N            | 0.88         |
| Osram Sylvania            | QHE 3X32T8/UNV PSH-HT-SC | 3          | DPS          | Parallel        | -      | -     | ✓       | ✓     | ✓       | ✓    | -       | -    | H            | 1.15         |
| Osram Sylvania            | QHE 2x32T8/UNV PSL-SC    | 2          | PRS          | Parallel        | NC     | NC    | ✓       | ✓     | -       | -    | -       | -    | L            | 0.71         |
| Pacific Fluorescent       | EB-232IS-120-RES         | 2          | IS           | Parallel        | ✓      | NA    | ✓       | NA    | -       | -    | -       | -    | N            | NA           |
| Philips-Advance           | ICN-2P32-N               | 2          | IS           | Parallel        | ✓      | ✓     | ✓       | ✓     | -       | -    | -       | -    | N            | 0.89         |
| Philips-Advance           | IOP-2P32-N               | 2          | IS           | Parallel        | ✓      | ✓     | ✓       | ✓     | -       | -    | -       | -    | N            | 0.89         |
| Philips-Advance           | IOP-2P32-LW-N            | 2          | IS           | Parallel        | ✓      | ✓     | ✓       | ✓     | -       | -    | -       | -    | L            | 0.77         |
| Philips-Advance           | IOPA-3P32-LW-N           | 3          | IS           | Parallel        | -      | -     | N       | N     | N       | N    | -       | -    | L            | 0.76         |
| Philips-Advance           | IOPA-4P32-N              | 4          | IS           | Parallel        | -      | -     | -       | -     | N       | N    | N       | N    | N            | 0.87         |
| Philips-Advance           | IOP-4P32-N               | 4          | IS           | Parallel        | -      | -     | -       | -     | ✓       | ✓    | ✓       | ✓    | N            | 0.87         |
| Philips-Advance           | IOP-4P32-LW-N            | 4          | IS           | Parallel        | -      | -     | -       | -     | ✓       | ✓    | ✓       | ✓    | L            | 0.77         |
| Philips-Advance           | IOP-1P32-N               | 1          | IS           | NA              | NC     | NC    | -       | -     | -       | -    | -       | -    | N            | 0.89         |
| Philips-Advance           | IOP-2P32HL-SC            | 2          | IS           | Parallel        | NC     | NC    | NC      | NC    | -       | -    | -       | -    | H            | 1.18         |
| Philips-Advance           | ICN-1P32-N               | 1          | IS           | NA              | NC     | NC    | -       | -     | -       | -    | -       | -    | N            | 0.91         |
| Philips-Advance           | IOPA-1P32-N              | 1          | IS           | NA              | NC     | NC    | -       | -     | -       | -    | -       | -    | N            | 0.88         |
| Philips-Advance           | REB-2P32-SC              | 2          | IS           | Parallel        | ✓      | NA    | F       | NA    | -       | -    | -       | -    | N            | 0.88         |
| Philips-Advance           | IOPA-3P32-N              | 3          | IS           | Parallel        | -      | -     | N       | N     | N       | N    | -       | -    | N            | 0.86         |



LED T8 Ballast Compatibility Chart

| Ballast Brand*                  | Part Number       | # Of Lamps | Start Method | Lamp Connection | 1 Lamp |      | 2 Lamps |      | 3 Lamps |      | 4 Lamps |      | Ballast Type | Factor Value |
|---------------------------------|-------------------|------------|--------------|-----------------|--------|------|---------|------|---------|------|---------|------|--------------|--------------|
|                                 |                   |            |              |                 | 120V   | 277V | 120V    | 277V | 120V    | 277V | 120V    | 277V |              |              |
| Philips-Advance                 | IOP-3P32-N        | 3          | IS           | Parallel        | -      | -    | N       | N    | N       | N    | -       | -    | N            | 0.87         |
| Philips-Advance                 | REB-4P32-SC       | 4          | IS           | Parallel        | -      | -    | -       | -    | ✓       | NA   | ✓       | NA   | N            | 0.81         |
| Philips-Advance                 | IOP-4P32-HL-SC    | 4          | IS           | Parallel        | -      | -    | -       | -    | NC      | NC   | ✓       | NC   | H            | 1.18         |
| Philips-Advance                 | ICN-3P32-N        | 3          | IS           | Parallel        | -      | -    | N       | N    | N       | N    | -       | -    | N            | 0.88         |
| Philips-Advance                 | VEL-2P32-SC       | 2          | IS           | Parallel        | NA     | P    | NA      | ✓    | -       | -    | -       | -    | N            | 0.88         |
| Philips-Advance                 | IOPA-2P32-HL-N    | 2          | IS           | Parallel        | N      | N    | N       | N    | -       | -    | -       | -    | H            | 1.18         |
| Philips-Advance                 | VEL-2P32-RH-TP    | 2          | IS           | Parallel        | NA     | P,T  | NA      | P,T  | -       | -    | -       | -    | N            | NA           |
| Philips-Advance                 | IOP-3P32HL-90C-SC | 3          | IS           | Parallel        | -      | -    | NC      | NC   | NC      | NC   | -       | -    | H            | 1.22         |
| Philips-Advance                 | IOP-4P32-SC       | 4          | IS           | Parallel        | -      | -    | -       | -    | NC      | NC   | ✓       | NC   | N            | 0.87         |
| Philips-Advance                 | IOPA-4P32-SC      | 4          | IS           | Parallel        | -      | -    | -       | -    | ✓       | ✓    | ✓       | ✓    | N            | 0.92         |
| Philips-Advance                 | ICN-132-MC        | 1          | IS           | NA              | ✓      | ✓    | -       | -    | -       | -    | -       | -    | N            | 0.88         |
| Philips-Advance                 | IOP-2PSP32-N      | 2          | PS           | Parallel        | NC     | NC   | ✓       | ✓    | -       | -    | -       | -    | N            | 0.94         |
| Philips-Advance                 | IOP-3PSP32-SC     | 3          | PS           | Parallel        | -      | -    | ✓       | ✓    | ✓       | ✓    | -       | -    | N            | 0.88         |
| Philips-Advance                 | IOP-3PSP32-LW-SC  | 3          | PS           | Parallel        | -      | -    | ✓       | ✓    | ✓       | ✓    | -       | -    | L            | 0.69         |
| Philips-Advance                 | IOP-4PSP32-SC     | 4          | PS           | Parallel        | -      | -    | -       | -    | ✓       | ✓    | ✓       | ✓    | N            | 0.89         |
| Philips-Advance                 | IOP-4PSP32-LW-SC  | 4          | PS           | Parallel        | -      | -    | -       | -    | ✓       | ✓    | ✓       | ✓    | L            | 0.69         |
| Philips-Advance                 | IOP-2532-SC       | 2          | PS           | Series          | NC     | NC   | NC      | NC   | -       | -    | -       | -    | N            | 0.87         |
| Philips-Advance                 | IZT-2532-SC       | 2          | DPS          | Series          | NC     | NC   | NC      | NC   | -       | -    | -       | -    | N            | 1            |
| Philips-Advance                 | IOP-2PSP32-LW-N   | 2          | PS           | Parallel        | ✓      | ✓    | ✓       | ✓    | -       | -    | -       | -    | L            | 0.71         |
| Philips-Advance                 | IZT-2PSP32-SC     | 2          | DPS          | Parallel        | NC     | NC   | NC      | NC   | -       | -    | -       | -    | N            | 1            |
| Philips-Advance                 | REZ-3532-SC       | 3          | DPS          | Series          | -      | -    | NC      | NA   | NC      | NA   | -       | -    | N            | 0.97         |
| Philips-Advance                 | REZ-2532-SC       | 2          | DPS          | Series          | NC     | NA   | NC      | NA   | -       | -    | -       | -    | N            | NA           |
| Philips-Advance                 | IZT-3PSP32-SC     | 3          | DPS          | Parallel        | -      | -    | NC      | NC   | NC      | NC   | -       | -    | H            | 1            |
| Philips-Advance                 | REZ-132-SC        | 1          | DPS          | NA              | NC     | NA   | -       | -    | -       | -    | -       | -    | H            | 1            |
| Plusrite                        | BAF232IS/MV       | 2          | IS           | Parallel        | ✓      | ✓    | ✓       | ✓    | -       | -    | -       | -    | N            | 0.89         |
| Plusrite                        | BAF332IS/MV       | 3          | IS           | NA              | -      | -    | ✓       | ✓    | ✓       | ✓    | -       | -    | N            | 0.88         |
| Plusrite                        | BAF232IS/MV/L     | 2          | IS           | Parallel        | ✓      | ✓    | ✓       | ✓    | -       | -    | -       | -    | L            | 0.78         |
| Plusrite                        | BAF332IS/MV/L     | 3          | IS           | Parallel        | -      | -    | ✓       | ✓    | ✓       | ✓    | -       | -    | L            | 0.78         |
| Plusrite                        | BAF432IS/MV       | 4          | IS           | Parallel        | -      | -    | -       | -    | ✓       | ✓    | ✓       | ✓    | N            | 0.88         |
| Plusrite                        | BAF432IS/MV/L     | 4          | IS           | Parallel        | -      | -    | -       | -    | ✓       | ✓    | ✓       | ✓    | L            | 0.78         |
| Prolume                         | EP232IS/L/MV/SL   | 2          | IS           | Parallel        | ✓      | ✓    | ✓       | ✓    | -       | -    | -       | -    | L            | 0.78         |
| Prolume                         | E432IS/120/R/SL   | 4          | IS           | Parallel        | -      | -    | -       | -    | ✓       | NA   | ✓       | NA   | N            | 0.87         |
| Sola                            | E-758-U-232-MC    | 2          | IS           | Parallel        | ✓      | P    | ✓       | ✓    | -       | -    | -       | -    | N            | 0.88         |
| Sunpark                         | 120-1/32IS HPF    | 1          | IS           | NA              | P,T    | NA   | -       | -    | -       | -    | -       | -    | N            | 0.88         |
| Sunpark                         | U-2/32IS HBF      | 2          | IS           | Parallel        | ✓      | ✓    | ✓       | ✓    | -       | -    | -       | -    | H            | 1.18         |
| Sunpark                         | U-2/32ISE-LBF     | 2          | IS           | Parallel        | ✓      | ✓    | ✓       | ✓    | -       | -    | -       | -    | L            | 0.78         |
| Sunpark                         | U-3/32ISE         | 3          | IS           | Parallel        | -      | -    | ✓       | ✓    | ✓       | ✓    | -       | -    | N            | 0.88         |
| Sunpark                         | U-3/32ISE-HBF     | 3          | IS           | Parallel        | -      | -    | ✓       | ✓    | ✓       | ✓    | -       | -    | H            | 1.18         |
| Sunpark                         | 120-3/32IS MPF    | 3          | IS           | Parallel        | -      | -    | ✓       | NA   | ✓       | NA   | -       | -    | N            | 0.88         |
| Sunpark                         | U-4/32IS HP,F     | 4          | IS           | Parallel        | -      | -    | -       | -    | ✓       | ✓    | ✓       | ✓    | N            | 0.88         |
| Sunpark                         | U-4/32IS HBF      | 4          | IS           | Parallel        | -      | -    | -       | -    | ✓       | ✓    | ✓       | ✓    | H            | 1.18         |
| Sunpark                         | U-4/32ISE-LBF     | 4          | IS           | Parallel        | -      | -    | -       | -    | ✓       | ✓    | ✓       | ✓    | L            | 0.77         |
| Sunpark                         | U-1/32PSE         | 1          | PS           | NA              | ✓      | ✓    | -       | -    | -       | -    | -       | -    | N            | 0.88         |
| Sunpark                         | U-2/32PSE         | 2          | RS           | NA              | NC     | NC   | NC      | NC   | -       | -    | -       | -    | N            | 0.88         |
| Sunpark                         | U-2/32PSE-HBF     | 2          | RS           | NA              | NC     | NC   | NC      | NC   | -       | -    | -       | -    | H            | 1.15         |
| Sunpark                         | U-232PS3          | 2          | RS           | NA              | NC     | NC   | NC      | NC   | -       | -    | -       | -    | N            | 0.88         |
| Sunpark                         | U-232PS3-HBF      | 2          | RS           | NA              | NC     | NC   | NC      | NC   | -       | -    | -       | -    | H            | 1.15         |
| Sunpark                         | SL15T             | 2          | PS           | Series          | NA     | NA   | ✓       | NA   | -       | -    | -       | -    | N            | 0.88         |
| Sunpark                         | LC 12011T         | 1          | PS           | NA              | F      | NA   | -       | -    | -       | -    | -       | -    | H            | NA           |
| Sunpark                         | LC 12013T         | 1          | PS           | NA              | NC     | NA   | -       | -    | -       | -    | -       | -    | H            | NA           |
| Superior Life                   | 70201             | 2          | IS           | Parallel        | ✓      | P    | ✓       | P    | -       | -    | -       | -    | N            | 0.88         |
| Superior Life                   | 70210             | 2          | PS           | Parallel        | NC     | NC   | NC      | NC   | -       | -    | -       | -    | N            | 0.88         |
| Superior Life                   | 70211             | 4          | PS           | Parallel        | -      | -    | -       | -    | NC      | NC   | NC      | NC   | N            | 0.87         |
| TCP                             | E2P32ISUNVHE      | 2          | IS           | Parallel        | ✓      | F    | ✓       | F    | -       | -    | -       | -    | H            | 1.18         |
| TCP                             | E4P32ISUNVLE      | 4          | IS           | Parallel        | -      | -    | -       | -    | ✓       | ✓    | ✓       | F    | L            | 0.78         |
| TCP                             | E3P32ISUNVE       | 3          | IS           | Parallel        | -      | -    | ✓       | ✓    | ✓       | ✓    | -       | -    | N            | 0.88         |
| TCP                             | E3P32ISUNVLE      | 3          | IS           | Parallel        | -      | -    | ✓       | F    | ✓       | F    | -       | -    | L            | 0.78         |
| TCP                             | E4P32ISUNVE       | 4          | IS           | Parallel        | -      | -    | -       | -    | ✓       | ✓    | ✓       | F    | N            | 0.88         |
| TCP                             | E4P32ISUNVHE      | 4          | IS           | Parallel        | -      | -    | -       | -    | ✓       | ✓    | ✓       | ✓    | H            | 1.18         |
| TCP                             | TCP3P32ISUNVH     | 3          | IS           | Parallel        | -      | -    | ✓       | F    | ✓       | ✓    | -       | -    | H            | 1.18         |
| TCP                             | E3P32ISUNVHE      | 3          | IS           | Parallel        | -      | -    | ✓       | ✓    | ✓       | ✓    | -       | -    | H            | NA           |
| Topaz                           | B232IUNVHEH/A-TPZ | 2          | IS           | Parallel        | ✓      | ✓    | ✓       | ✓    | -       | -    | -       | -    | H            | 1.18         |
| Topaz                           | B432IUNVHEH/A-TPZ | 4          | IS           | Parallel        | -      | -    | -       | -    | ✓       | ✓    | ✓       | ✓    | H            | 1.18         |
| Universal Lighting Technologies | B232IUNVHP-N      | 2          | IS           | Parallel        | ✓      | T    | ✓       | ✓    | -       | -    | -       | -    | N            | 0.88         |
| Universal Lighting Technologies | B232IUNVEL-A      | 2          | IS           | Parallel        | ✓      | ✓    | ✓       | ✓    | -       | -    | -       | -    | L            | 0.77         |
| Universal Lighting Technologies | B233IUNVHE-A      | 2          | IS           | Parallel        | ✓      | ✓    | ✓       | ✓    | -       | -    | -       | -    | N            | 0.87         |
| Universal Lighting Technologies | B432IUNVHE L-A    | 4          | IS           | Parallel        | -      | -    | -       | -    | ✓       | ✓    | ✓       | ✓    | L            | 0.77         |
| Universal Lighting Technologies | B332IUNVHP-A      | 3          | IS           | Parallel        | -      | -    | ✓       | P    | ✓       | ✓    | -       | -    | N            | 0.88         |
| Universal Lighting Technologies | B432IUNVHP-A      | 4          | IS           | Parallel        | -      | -    | -       | -    | ✓       | ✓    | ✓       | ✓    | N            | 0.88         |
| Universal Lighting Technologies | B232I120RES-A     | 2          | IS           | Parallel        | ✓      | NA   | ✓       | NA   | -       | -    | -       | -    | N            | 0.88         |
| Universal Lighting Technologies | B132IUNVHP-N      | 1          | IS           | NA              | ✓      | F    | -       | -    | -       | -    | -       | -    | N            | 0.88         |
| Universal Lighting Technologies | B232IUNVHP-B      | 2          | IS           | Parallel        | ✓      | ✓    | ✓       | ✓    | -       | -    | -       | -    | N            | 0.88         |
| Universal Lighting Technologies | B232IUNV-C        | 2          | IS           | Parallel        | ✓      | ✓    | ✓       | ✓    | -       | -    | -       | -    | N            | 0.88         |
| Universal Lighting Technologies | B432IUNVHE-A      | 4          | IS           | Parallel        | -      | -    | -       | -    | ✓       | ✓    | ✓       | ✓    | N            | 0.87         |
| Universal Lighting Technologies | B432IUNVHEH-E     | 4          | IS           | Parallel        | -      | -    | -       | -    | ✓       | ✓    | ✓       | ✓    | H            | 1.15         |
| Universal Lighting Technologies | B232I277RH-A      | 4          | IS           | Parallel        | -      | -    | -       | -    | NA      | P,T  | NA      | T    | H            | 1.09         |



## LED T8 Ballast Compatibility Chart

| Ballast Brand*                  | Part Number          | # Of Lamps | Start Method | Lamp Connection | 1 Lamp |      | 2 Lamps |      | 3 Lamps |      | 4 Lamps |      | Ballast Type | Factor Value |
|---------------------------------|----------------------|------------|--------------|-----------------|--------|------|---------|------|---------|------|---------|------|--------------|--------------|
|                                 |                      |            |              |                 | 120V   | 277V | 120V    | 277V | 120V    | 277V | 120V    | 277V |              |              |
| Universal Lighting Technologies | B332IHRVHB-E         | 3          | IS           | Parallel        | -      | -    | NC      | NC   | NC      | NC   | -       | -    | H            | NA           |
| Universal Lighting Technologies | B432PUNVHE-A         | 4          | PS           | Parallel        | -      | -    | -       | -    | ✓       | ✓    | ✓       | ✓    | N            | 0.87         |
| Universal Lighting Technologies | B232PUNVHE-B         | 2          | PS           | Parallel        | ✓      | P,T  | ✓       | P,T  | -       | -    | -       | -    | N            | 0.88         |
| Universal Lighting Technologies | B332PUNVHEH-A        | 3          | PS           | Parallel        | -      | -    | ✓       | ✓    | ✓       | ✓    | -       | -    | H            | 1.18         |
| Universal Lighting Technologies | B232PU104S50A        | 2          | PRS          | Parallel        | NC     | NC   | NC      | NC   | -       | -    | -       | -    | H            | 1.04         |
| Universal Lighting Technologies | B232PUNVHP-A         | 2          | PS           | Parallel        | NC     | NC   | NC      | NC   | -       | -    | -       | -    | N            | 0.88         |
| Watran                          | DB-232N-MV-TP-HE     | 2          | IS           | Parallel        | ✓      | ✓    | ✓       | ✓    | -       | -    | -       | -    | N            | 0.87         |
| Watran                          | DB-332N-MV-TP-HE     | 3          | IS           | Parallel        | -      | -    | ✓       | ✓    | ✓       | ✓    | -       | -    | N            | 0.87         |
| Watran                          | DB-432N-MV-TP-HE     | 4          | IS           | Parallel        | -      | -    | -       | -    | ✓       | ✓    | ✓       | ✓    | N            | 0.87         |
| Watran                          | DB-432L-MV-TP-HE     | 4          | IS           | Parallel        | -      | -    | -       | -    | ✓       | ✓    | ✓       | ✓    | L            | 0.77         |
| Watran                          | DB-232N-MV-TP-HE(SC) | 2          | IS           | Parallel        | ✓      | P    | ✓       | ✓    | -       | -    | -       | -    | N            | 0.87         |
| Watran                          | DBG32N-MV-TP-PS-HL   | 3          | PS           | NA              | -      | -    | NC      | NC   | NC      | NC   | -       | -    | H            | NA           |
| Work Horse                      | WHS3G3-UNV-T8-IS     | 3          | IS           | Parallel        | -      | -    | ✓       | ✓    | ✓       | ✓    | -       | -    | N            | 0.99         |
| Work Horse                      | WHS4G4-UNV-T8-IS     | 4          | IS           | Parallel        | -      | -    | -       | -    | ✓       | ✓    | ✓       | ✓    | N            | 0.96         |

Applies to the  
following Satco products:

**S9946, S9947, S9948, S9949**

**F** Flicker after >2s start-up (NC)  
**N** Acoustic noise >20dB  
**P** PF <0.85  
**T** THD >25%  
**NC** Not compatible  
**NA** Not applicable

**Ballast Factors:**  
**L** - Low  
**N** - Normal  
**H** - High

This list is current as of Sept. 2017. We are continuously testing for compatible ballasts. Please check back for updates.

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