



## T8 DIRECT FIT : GLASS

### DESCRIPTION

LED T8 replacement lamps can replace fluorescent T8 lamps at a fraction of the energy cost.

**Review all installation instructions and confirm use of a compatible ballast before installing EiKO Direct Fit Linear Lamps.**

### FEATURES

- Replaces 4' F32T8 (32W, 30W, 28W, 25W) lamps
- No socket changes, uses shunted or non-shunted sockets
- Functions on most electronic T8 (instant & programmed) and battery backup ballasts
- Instantaneous full light output upon power-up
- Frosted glass lens reduces visual glare
- Does not operate on magnetic ballasts
- Does not operate on T12 ballasts
- Use of an incompatible ballast, poor socket connection or other improper installation can result in reduced lamp lifetime, arcing or localized overheating
- See p. 2-4 for a list of compatible ballasts
- Not for use in airtight fixtures

### WARRANTY

- 5 year limited warranty; see eiko.com for warranty details

### APPLICATIONS

- Highbays
- Troffers
- Industrial Strips
- Cove Lighting
- Warehouses
- Stairwells
- Cold Storage



|              |                       |                                                                              |       |
|--------------|-----------------------|------------------------------------------------------------------------------|-------|
| PERFORMANCE  | Bare Lamp Wattage     | 10W                                                                          | 13W   |
|              | Lumens                | 1,800                                                                        | 2,200 |
|              | Efficacy (LPW)        | 180                                                                          | 169   |
|              | CRI                   | 80+                                                                          |       |
|              | Beam                  | 160°                                                                         |       |
|              | CCT                   | 3500K, 4000K, 5000K                                                          |       |
|              | Life (L70)            | 50,000 hours                                                                 |       |
| ELECTRICAL   | Power Factor          | ≥0.9                                                                         |       |
|              | THD                   | <20%                                                                         |       |
|              | Input Voltage         | 120-277V, 347V                                                               |       |
| CONSTRUCTION | Operating Temperature | -4°F to 113°F (-20°C to 45°C)                                                |       |
|              | Base                  | G13                                                                          |       |
| LISTINGS     | Certification(s)      | DesignLights Consortium® Qualified; cULus Listed; FCC; ETL Sanitation Listed |       |
|              | Material Usage        | RoHS Compliant; no mercury or lead                                           |       |
|              | Environment           | Suitable for Dry locations                                                   |       |

## PERFORMANCE SUMMARY

| Order Code | Item #               | Length | Lumens | Nominal Watts | Volts<br>Ballast<br>Dependent | Emergency<br>Ballast<br>Compatible | CCT   | CRI | Glass<br>Tube | Beam | Life/<br>Hours | DLC |
|------------|----------------------|--------|--------|---------------|-------------------------------|------------------------------------|-------|-----|---------------|------|----------------|-----|
| 10950      | LED10WT8/48/835-G9DR | 4'     | 1,800  | 10W           | 120-277V, 347V                | ☑                                  | 3500K | 80+ | Frosted       | 160° | 50K            | ✓   |
| 10951      | LED10WT8/48/840-G9DR | 4'     | 1,800  | 10W           | 120-277V, 347V                | ☑                                  | 4000K | 80+ | Frosted       | 160° | 50K            | ✓   |
| 10952      | LED10WT8/48/850-G9DR | 4'     | 1,800  | 10W           | 120-277V, 347V                | ☑                                  | 5000K | 80+ | Frosted       | 160° | 50K            | ✓   |
| 10953      | LED13WT8/48/835-G9DR | 4'     | 2,200  | 13W           | 120-277V, 347V                | ☑                                  | 3500K | 80+ | Frosted       | 160° | 50K            | ✓   |
| 10954      | LED13WT8/48/840-G9DR | 4'     | 2,200  | 13W           | 120-277V, 347V                | ☑                                  | 4000K | 80+ | Frosted       | 160° | 50K            | ✓   |
| 10955      | LED13WT8/48/850-G9DR | 4'     | 2,200  | 13W           | 120-277V, 347V                | ☑                                  | 5000K | 80+ | Frosted       | 160° | 50K            | ✓   |

NOTE: Use order code when ordering. ✓DesignLights Consortium® Qualified

## WATTS & LUMENS\*

| Lamp                 | System Wattage |                 |                | Bare Lamp Lumens |                 |                |
|----------------------|----------------|-----------------|----------------|------------------|-----------------|----------------|
|                      | Low BF = .78   | Normal BF = .88 | High BF = 1.18 | Low BF = .78     | Normal BF = .88 | High BF = 1.18 |
| LED10WT8/48/8XX-G9DR | 11.5           | 13.0            | 19.0           |                  |                 |                |
| LED13WT8/48/8XX-G9DR | 14.0           | 16.0            | 23.5           |                  |                 |                |

\*Watts and lumens will vary by ballast and fixture. Visit [eiko.com](http://eiko.com) to view complete ballast compatibility information.

## BALLAST COMPATIBILITY

| 120-277V Ballasts |                    |              |            |        |      |        |      |        |      |        |      |     |                 |
|-------------------|--------------------|--------------|------------|--------|------|--------|------|--------|------|--------|------|-----|-----------------|
| Manufacturer      | Part Number        | Start Method | # of Lamps | 1 Lamp |      | 2 Lamp |      | 3 Lamp |      | 4 Lamp |      | Dim | Ballast Version |
|                   |                    |              |            | 120V   | 277V | 120V   | 277V | 120V   | 277V | 120V   | 277V |     |                 |
| ARCATA            | ACT2P32ISUNV       | IS           | 2          | ✓      | ✓    | ✓      | ✓    | -      | -    | -      | -    | -   | -               |
| ARCATA            | ACT4P32ISUNV       | IS           | 4          | -      | -    | -      | -    | ✓      | ✓    | ✓      | ✓    | -   | -               |
| ADVANCE           | ICN-1P32-N         | IS           | 1          | ✓      | ✓    | -      | -    | -      | -    | -      | -    | -   | -               |
| ADVANCE           | ICN-2P32-N         | IS           | 2          | ✗      | ✗    | ✓      | ✓    | -      | -    | -      | -    | -   | REV C-E         |
| ADVANCE           | ICN-3P32-N         | IS           | 3          | -      | -    | ✓      | ✓    | ✓      | ✓    | -      | -    | -   | REV D           |
| ADVANCE           | ICN-4P32-N         | IS           | 4          | -      | -    | -      | -    | ✓      | ✓    | ✓      | ✓    | -   | REV D           |
| ADVANCE           | ICN-2P32-SC        | IS           | 2          | ✓      | ✓    | ✓      | ✓    | -      | -    | -      | -    | -   | -               |
| ADVANCE           | ICN-4P32-SC        | IS           | 4          | -      | -    | -      | -    | ✗      | ✓    | ✗      | ✓    | -   | REV D           |
| ADVANCE           | ICN-2S40-N         | RS           | 2          | ✓      | ✓    | ✓      | ✓    | -      | -    | -      | -    | -   | -               |
| ADVANCE           | IOPA-1P32-N        | IS           | 1          | ✓      | ✓    | -      | -    | -      | -    | -      | -    | -   | REV B           |
| ADVANCE           | IOPA-2P32-N        | IS           | 2          | ✗      | ✗    | ✓      | ✓    | -      | -    | -      | -    | -   | REV A           |
| ADVANCE           | IOPA-4P32-N        | IS           | 4          | -      | -    | -      | -    | ✓      | ✓    | ✓      | ✓    | -   | REV C           |
| ADVANCE           | IOPA-1P32-LW-N     | IS           | 1          | ✗      | ✗    | -      | -    | -      | -    | -      | -    | -   | REV A           |
| ADVANCE           | IOPA-2P32-LW-N     | IS           | 2          | ✗      | ✗    | ✓      | ✓    | -      | -    | -      | -    | -   | REV B           |
| ADVANCE           | IOPA-4P32-LW-N     | IS           | 4          | -      | -    | -      | -    | ✓      | ✓    | ✓      | ✓    | -   | REV A           |
| ADVANCE           | IOP-4PSP32-SC      | PS           | 4          | -      | -    | -      | -    | ✓      | ✓    | ✓      | ✓    | -   | REV B           |
| ADVANCE           | RCN-2S32-SC        | PS           | 2          | -      | -    | ✓      | -    | -      | -    | -      | -    | -   | REV D           |
| ADVANCE           | REZ-2S32-SC        | PS           | 2          | -      | -    | ✓      | -    | -      | -    | -      | -    | ✓   | REV E           |
| ADVANCE           | REL-2P32-SC        | IS           | 2          | ✓      | -    | ✓      | -    | -      | -    | -      | -    | -   | UL 704G         |
| ADVANCE           | REL-4P32-RH-TP     | IS           | 4          | -      | -    | -      | -    | ✗      | -    | ✗      | -    | -   | -               |
| ADVANCE           | RELB-2S40-N        | RS           | 2          | ✗      | -    | ✗      | -    | -      | -    | -      | -    | -   | -               |
| EIKO              | PM 2x32T8-UNV-IS-L | IS           | 2          | ✓      | ✓    | ✓      | ✓    | -      | -    | -      | -    | -   | -               |
| ESPEN             | VE232MVHIP         | IS           | 2          | ✓      | ✓    | ✓      | ✓    | -      | -    | -      | -    | -   | -               |
| ESPEN             | VE232MVHIPE        | IS           | 2          | ✓      | ✓    | ✓      | ✓    | -      | -    | -      | -    | -   | -               |
| ESPEN             | VE232MVHIPHE       | IS           | 2          | ✗      | ✗    | ✓      | ✓    | -      | -    | -      | -    | -   | -               |
| ESPEN             | VE232MVHIPLE       | IS           | 2          | ✓      | ✓    | ✓      | ✓    | -      | -    | -      | -    | -   | -               |
| ESPEN             | VE432MVHIP         | IS           | 4          | -      | -    | -      | -    | ✓      | ✓    | ✓      | ✓    | -   | -               |
| ESPEN             | VE432MVHIPE        | IS           | 4          | -      | -    | -      | -    | ✓      | ✓    | ✓      | ✓    | -   | -               |
| ESPEN             | VE432MVHIPHE       | IS           | 4          | -      | -    | -      | -    | ✓      | ✓    | ✓      | ✓    | -   | -               |
| FULHAM            | NPY-120-232-LT8    | PS           | 2          | ✓      | -    | ✓      | -    | -      | -    | -      | -    | -   | -               |
| FULHAM            | NPY-120-432-T8B    | IS           | 4          | -      | -    | -      | -    | ✓      | -    | ✓      | -    | -   | -               |
| FULHAM            | NPY-120-432-T8-IS  | IS           | 4          | -      | -    | -      | -    | ✓      | -    | ✓      | -    | -   | -               |
| FULHAM            | WHCG3-120-T8-IS    | IS           | 3          | -      | -    | ✓      | -    | ✓      | -    | -      | -    | -   | -               |
| FULHAM            | WHCG5-120-T12-RS   | RS           | 2          | ✓      | -    | ✓      | -    | -      | -    | -      | -    | -   | -               |
| FULHAM            | WH2-120-L          | IS           | 1          | ✓      | -    | -      | -    | -      | -    | -      | -    | -   | -               |
| FULHAM            | WH5-120-L          | IS           | 4          | -      | -    | -      | -    | ✗      | -    | ✓      | -    | -   | -               |
| FUSION            | FB232MVE           | IS           | 2          | ✓      | ✓    | ✓      | ✓    | -      | -    | -      | -    | -   | -               |
| FUSION            | FB232MVE-HE        | IS           | 2          | ✓      | ✓    | ✓      | ✓    | -      | -    | -      | -    | -   | -               |
| FUSION            | FB232MVE-LHE       | IS           | 2          | ✓      | -    | ✓      | -    | -      | -    | -      | -    | -   | -               |
| FUSION            | FB232MVE-PPS-HE    | PS           | 2          | ✓      | ✓    | ✓      | ✓    | -      | -    | -      | -    | -   | -               |

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## BALLAST COMPATIBILITY (Cont'd)

### 120-277V Ballasts

| Manufacturer | Part Number           | Start Method | # of Lamps | 1 Lamp |      | 2 Lamp |      | 3 Lamp |      | 4 Lamp |      | Dim | Ballast Version |
|--------------|-----------------------|--------------|------------|--------|------|--------|------|--------|------|--------|------|-----|-----------------|
|              |                       |              |            | 120V   | 277V | 120V   | 277V | 120V   | 277V | 120V   | 277V |     |                 |
| FUSION       | FB332MVE              | IS           | 3          | -      | -    | ✓      | ✓    | ✓      | ✓    | -      | -    | -   | -               |
| FUSION       | FB432MVE              | IS           | 4          | -      | -    | -      | -    | ✗      | ✗    | ✗      | ✗    | -   | -               |
| FUSION       | FB432MVE-HE           | IS           | 4          | -      | -    | -      | -    | ✗      | ✗    | ✗      | ✗    | -   | -               |
| FUSION       | FB432MVE-PPS-HE       | PS           | 4          | -      | -    | -      | -    | ✓      | ✓    | ✓      | ✓    | -   | -               |
| GE           | GE132MAXP-N/ULTRA     | IS           | 1          | ✓      | ✓    | -      | -    | -      | -    | -      | -    | -   | -               |
| GE           | GE 232-120RES-DIYB    | IS           | 2          | ✓      | -    | ✓      | -    | -      | -    | -      | -    | -   | -               |
| GE           | GE 232-120-PS-N       | PS           | 2          | ✓      | -    | ✓      | -    | -      | -    | -      | -    | -   | -               |
| GE           | GE232MAX-G-N          | IS           | 2          | ✓      | ✓    | ✓      | ✓    | -      | -    | -      | -    | -   | -               |
| GE           | GE232MAXP-L/ULTRA     | IS           | 2          | ✓      | ✓    | ✓      | ✓    | -      | -    | -      | -    | -   | -               |
| GE           | GE232MAXP-N/ULTRA     | IS           | 2          | ✓      | ✓    | ✓      | ✓    | -      | -    | -      | -    | -   | -               |
| GE           | GE232MAXP-H/ULTRA     | IS           | 2          | ✗      | ✗    | ✓      | ✓    | -      | -    | -      | -    | -   | -               |
| GE           | GE232-MV-N            | IS           | 2          | ✓      | ✓    | ✓      | ✓    | -      | -    | -      | -    | -   | -               |
| GE           | GE232-MVPS-L          | PS           | 2          | ✓      | ✓    | ✓      | ✓    | -      | -    | -      | -    | -   | -               |
| GE           | GE232-MVPS-N          | PS           | 2          | ✓      | ✓    | ✓      | ✓    | -      | -    | -      | -    | -   | -               |
| GE           | GE232-MVPS-H          | PS           | 2          | ✗      | ✗    | ✓      | ✓    | -      | -    | -      | -    | -   | -               |
| GE           | GE332MAX-L/ULTRA      | IS           | 3          | -      | -    | ✓      | ✓    | ✓      | ✓    | -      | -    | -   | -               |
| GE           | GE332MAX90-V60        | IS           | 3          | -      | -    | ✗      | ✗    | ✓      | ✓    | -      | -    | ✓   | -               |
| GE           | GE332MV-N-DIY         | IS           | 3          | -      | -    | ✓      | ✓    | ✓      | ✓    | -      | -    | -   | -               |
| GE           | GE432MAX-G-N          | IS           | 4          | -      | -    | -      | -    | ✓      | ✓    | ✓      | ✓    | -   | -               |
| GE           | GE432MAX-H/ULTRA      | IS           | 4          | -      | -    | -      | -    | ✓      | ✓    | ✓      | ✓    | -   | -               |
| GE           | GE432MAX-H-42T        | IS           | 4          | -      | -    | -      | -    | ✓      | ✓    | ✓      | ✓    | -   | -               |
| GREENHILL    | GH2P59ISUNV           | IS           | 2          | ✗      | ✗    | ✓      | ✓    | -      | -    | -      | -    | -   | -               |
| GREENHILL    | GH4P32ISUNV           | IS           | 4          | -      | -    | -      | -    | ✓      | ✓    | ✓      | ✓    | -   | -               |
| HALCO        | EP232IS/H/MV/HE       | IS           | 2          | ✗      | ✗    | ✓      | ✓    | -      | -    | -      | -    | -   | -               |
| HALCO        | EP332IS/L/MV/HE       | IS           | 3          | -      | -    | ✓      | ✓    | ✓      | ✓    | -      | -    | -   | -               |
| HALCO        | EP332IS/MV/MC         | IS           | 3          | -      | -    | ✓      | ✓    | ✓      | ✓    | -      | -    | -   | -               |
| HALCO        | EP432IS/L/MV/HE       | IS           | 4          | -      | -    | -      | -    | ✓      | ✓    | ✓      | ✓    | -   | -               |
| HALCO        | EP432IS/MV/MC         | IS           | 4          | -      | -    | -      | -    | ✓      | ✓    | ✓      | ✓    | -   | -               |
| HOWARD       | EP3/32IS/MV/SC/HE     | IS           | 3          | -      | -    | ✓      | ✓    | ✓      | ✓    | -      | -    | -   | -               |
| HOWARD       | EP4/32IS/MV/MC/HE     | IS           | 4          | -      | -    | -      | -    | ✓      | ✓    | ✓      | ✓    | -   | -               |
| HUAFENG      | ENI-T8-32-P2SC-N      | IS           | 2          | ✓      | ✓    | ✓      | ✓    | -      | -    | -      | -    | -   | -               |
| HUAFENG      | ENI-T8-32-P4MC-N      | IS           | 4          | -      | -    | -      | -    | ✓      | ✓    | ✓      | ✓    | -   | -               |
| KEystone     | KTEB-132-UV-IS-L-P    | IS           | 1          | ✓      | ✓    | -      | -    | -      | -    | -      | -    | -   | -               |
| KEystone     | KTEB-132-UV-PS-N-P    | IS           | 1          | ✓      | ✓    | -      | -    | -      | -    | -      | -    | -   | A4              |
| KEystone     | KTEB-232-UV-IS-L-P    | IS           | 2          | ✓      | ✓    | ✓      | ✓    | -      | -    | -      | -    | -   | -               |
| KEystone     | KTEB-232-UV-IS-N-P    | IS           | 2          | ✓      | ✓    | ✓      | ✓    | -      | -    | -      | -    | -   | D1              |
| KEystone     | KTEB-232-UV-IS-H-P    | IS           | 2          | ✗      | ✗    | ✓      | ✓    | -      | -    | -      | -    | -   | D1              |
| KEystone     | KTEB-232-UV-PS-VDIM   | PS           | 2          | -      | -    | ✓      | ✓    | -      | -    | -      | -    | ✓   | -               |
| KEystone     | KTEB-232-UV-PS-H-P    | PS           | 2          | ✗      | ✗    | ✗      | ✗    | -      | -    | -      | -    | -   | -               |
| KEystone     | KTEB-332-UV-IS-L-P    | IS           | 3          | -      | -    | ✓      | ✓    | ✓      | ✓    | -      | -    | -   | -               |
| KEystone     | KTEB-332-UV-IS-N-P    | IS           | 3          | -      | -    | ✓      | ✓    | ✓      | ✓    | -      | -    | -   | B               |
| KEystone     | KTEB-332-UV-IS-H-P    | IS           | 3          | -      | -    | ✗      | ✗    | ✓      | ✓    | -      | -    | -   | D1              |
| KEystone     | KTEB-332-UV-PS-L-P    | PS           | 3          | -      | -    | ✓      | ✓    | ✓      | ✓    | -      | -    | -   | D2              |
| KEystone     | KTEB-332-UV-PS-N-P    | PS           | 3          | -      | -    | ✓      | ✓    | ✓      | ✓    | -      | -    | -   | D2              |
| KEystone     | KTEB-332-UV-PS-H-P    | PS           | 3          | -      | -    | ✗      | ✗    | ✗      | ✗    | -      | -    | -   | -               |
| KEystone     | KTEB-432-UV-IS-L-P    | IS           | 4          | -      | -    | -      | -    | ✓      | ✓    | ✓      | ✓    | -   | A1              |
| KEystone     | KTEB-432-UV-IS-N-P    | IS           | 4          | -      | -    | -      | -    | ✓      | ✓    | ✓      | ✓    | -   | A1              |
| KEystone     | KTEB-432-UV-IS-H-P    | IS           | 4          | -      | -    | -      | -    | ✗      | ✗    | ✓      | ✓    | -   | A3              |
| KEystone     | KTEB-432-UV-PS-L-P    | PS           | 4          | -      | -    | -      | -    | ✓      | ✓    | ✓      | ✓    | -   | -               |
| KEystone     | KTEB-432-UV-PS-N-P    | PS           | 4          | -      | -    | -      | -    | ✓      | ✓    | ✓      | ✓    | -   | D2              |
| OSRAM        | QHE 2x32T8/UNV DIM-TC | PS           | 2          | -      | -    | ✓      | ✓    | -      | -    | -      | -    | ✓   | -               |
| OSRAM        | QHE 2x32T8/UNV ISL SC | IS           | 2          | ✓      | ✓    | ✓      | ✓    | -      | -    | -      | -    | -   | -               |
| OSRAM        | QTP 2x32T8/UNV ISN-SC | IS           | 2          | ✓      | ✓    | ✓      | ✓    | -      | -    | -      | -    | -   | -               |
| OSRAM        | QTP 3x32T8/UNV PSX-SC | PS           | 3          | -      | -    | -      | -    | ✗      | ✗    | -      | -    | -   | -               |
| OSRAM        | QHE 4x32T8/UNV ISL SC | IS           | 4          | -      | -    | -      | -    | ✓      | ✓    | ✓      | ✓    | -   | -               |
| OSRAM        | QHE 4x32T8/UNV PSN-SC | PS           | 4          | -      | -    | -      | -    | ✓      | ✓    | ✓      | ✓    | -   | -               |
| OSRAM        | QTP 4x32T8/UNV ISN-SC | IS           | 4          | -      | -    | -      | -    | ✓      | ✓    | ✓      | ✓    | -   | -               |
| PACIFIC      | EB-332IS-U            | IS           | 3          | -      | -    | ✓      | ✓    | ✓      | ✓    | -      | -    | -   | -               |
| PACIFIC      | EB-432IS-U            | IS           | 4          | -      | -    | -      | -    | ✓      | ✓    | ✓      | ✓    | -   | -               |
| PLUSRITE     | BAF232IS/MV/H         | IS           | 2          | ✗      | ✗    | ✓      | ✓    | -      | -    | -      | -    | -   | -               |

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## BALLAST COMPATIBILITY (Cont'd)

| 120-277V Ballasts |                           |              |            |        |      |        |      |        |      |        |      |     |                 |
|-------------------|---------------------------|--------------|------------|--------|------|--------|------|--------|------|--------|------|-----|-----------------|
| Manufacturer      | Part Number               | Start Method | # of Lamps | 1 Lamp |      | 2 Lamp |      | 3 Lamp |      | 4 Lamp |      | Dim | Ballast Version |
|                   |                           |              |            | 120V   | 277V | 120V   | 277V | 120V   | 277V | 120V   | 277V |     |                 |
| PQL               | 70201                     | IS           | 2          | ✓      | ✓    | ✓      | ✓    | -      | -    | -      | -    | -   | -               |
| PQL               | 70204                     | IS           | 4          | -      | -    | -      | -    | ✓      | ✓    | ✓      | ✓    | -   | -               |
| PREMIUM           | BB-T8/UVH-2x32            | IS           | 2          | ✓      | ✓    | ✓      | ✓    | -      | -    | -      | -    | -   | -               |
| PREMIUM           | BB-T8/UVH-3x32            | IS           | 3          | -      | -    | -      | -    | ✓      | ✓    | -      | -    | -   | -               |
| ROBERTSON         | RSW240T12120              | PS           | 2          | ✗      | -    | ✗      | -    | -      | -    | -      | -    | -   | -               |
| STANDARD          | E232P1120L                | IS           | 2          | ✓      | -    | ✓      | -    | -      | -    | -      | -    | -   | -               |
| STANDARD          | E232T8IS120/L/AS          | IS           | 2          | ✓      | -    | ✓      | -    | -      | -    | -      | -    | -   | -               |
| STANDARD          | E232T8IS120/N/AS          | IS           | 2          | ✓      | -    | ✓      | -    | -      | -    | -      | -    | -   | -               |
| STANDARD          | E232T8PS120-277/N/AS/BULK | PS           | 2          | -      | -    | ✓      | ✓    | -      | -    | -      | -    | -   | -               |
| STANDARD          | E432T8IS120/H             | IS           | 4          | -      | -    | -      | -    | ✗      | -    | ✓      | -    | -   | -               |
| STANDARD          | E432T8IS120/L/AS/BULK     | IS           | 4          | -      | -    | -      | -    | ✓      | -    | ✓      | -    | -   | -               |
| STANDARD          | E432T8IS120/N/AS/BULK     | IS           | 4          | -      | -    | -      | -    | ✓      | -    | ✓      | -    | -   | -               |
| SUNPARK           | SL15T                     | PS           | 2          | ✓      | -    | ✓      | -    | -      | -    | -      | -    | -   | -               |
| TCP               | E4P32PSUNVE               | PS           | 4          | -      | -    | -      | -    | ✓      | ✓    | ✓      | ✓    | -   | -               |
| UNIVERSAL         | B232PUSV3PLA              | PS           | 2          | ✓      | ✓    | ✓      | ✓    | -      | -    | -      | -    | ✓   | REV A           |
| UNIVERSAL         | B232SR120S30              | PS           | 2          | -      | -    | ✗      | -    | -      | -    | -      | -    | ✓   | REV E           |
| UNIVERSAL         | B132IUNVHP-N              | IS           | 1          | ✓      | ✗    | -      | -    | -      | -    | -      | -    | -   | REV C           |
| UNIVERSAL         | B232IUNVHP-N              | IS           | 2          | -      | -    | ✓      | ✓    | -      | -    | -      | -    | -   | REV B           |
| UNIVERSAL         | B332IUNVHP-A              | IS           | 3          | -      | -    | ✓      | ✓    | ✓      | ✓    | -      | -    | -   | REV B           |
| UNIVERSAL         | B432IUNVHP-A              | IS           | 4          | -      | -    | -      | -    | ✓      | ✓    | ✓      | ✓    | -   | REV B           |
| UNIVERSAL         | B232PUNVHE-B              | PS           | 2          | ✗      | ✗    | ✓      | ✓    | -      | -    | -      | -    | -   | REV B           |

| 347V Ballasts |                        |              |            |        |      |        |      |        |      |        |      |     |                 |
|---------------|------------------------|--------------|------------|--------|------|--------|------|--------|------|--------|------|-----|-----------------|
| Manufacturer  | Part Number            | Start Method | # of Lamps | 1 Lamp |      | 2 Lamp |      | 3 Lamp |      | 4 Lamp |      | Dim | Ballast Version |
|               |                        |              |            | 347V   | 347V | 347V   | 347V | 347V   | 347V | 347V   | 347V |     |                 |
| ARCATA        | ACT2P32IS347           | IS           | 2          | ✓      | ✓    | -      | -    | -      | -    | -      | -    | -   | -               |
| ARCATA        | ACT4P32IS347           | IS           | 4          | -      | -    | ✓      | -    | -      | -    | ✓      | -    | -   | -               |
| ADVANCE       | GOPA-2P32-LW-N         | IS           | 2          | ✓      | -    | ✗      | -    | -      | -    | -      | -    | -   | REV A           |
| ADVANCE       | GOPA-2P32-LW-SC        | IS           | 2          | ✓      | -    | ✓      | -    | -      | -    | -      | -    | -   | REV D           |
| ADVANCE       | GOPA-4P32-LW-SC        | IS           | 4          | -      | -    | -      | ✓    | -      | -    | ✓      | -    | -   | REV D           |
| ADVANCE       | GOPA-2P32-SC           | IS           | 2          | ✓      | -    | ✓      | -    | -      | -    | -      | -    | -   | REV C           |
| ADVANCE       | GOPA-4P32-SC           | IS           | 4          | -      | -    | -      | ✓    | -      | -    | ✓      | -    | -   | REV D           |
| FUSION        | FB232347E-HE           | IS           | 2          | ✓      | -    | ✓      | -    | -      | -    | -      | -    | -   | -               |
| FUSION        | FB232347E-L            | IS           | 2          | ✓      | -    | ✓      | -    | -      | -    | -      | -    | -   | -               |
| FUSION        | FB232347E-PPS-HE       | PS           | 2          | ✓      | -    | ✓      | -    | -      | -    | -      | -    | -   | -               |
| FUSION        | FB432347E-HE           | IS           | 4          | -      | -    | -      | ✓    | -      | -    | ✓      | -    | -   | -               |
| FUSION        | FB432347E-L            | IS           | 4          | -      | -    | -      | ✓    | -      | -    | ✓      | -    | -   | -               |
| FUSION        | FB432347E-PPS-HE       | PS           | 4          | -      | -    | -      | ✓    | -      | -    | ✓      | -    | -   | -               |
| GE            | GE232MAX347-H          | IS           | 2          | ✗      | -    | ✓      | -    | -      | -    | -      | -    | -   | -               |
| GE            | GE332MAX347-H          | IS           | 3          | -      | -    | ✗      | -    | ✓      | -    | -      | -    | -   | -               |
| GE            | GE432MAX347-H          | IS           | 4          | -      | -    | -      | ✗    | -      | -    | ✗      | -    | -   | -               |
| KEystone      | KTEB-232-3-IS-N-P      | IS           | 2          | ✓      | -    | ✓      | -    | -      | -    | -      | -    | -   | -               |
| KEystone      | KTEB-432-3-IS-N-P      | IS           | 4          | -      | -    | -      | ✓    | -      | -    | ✓      | -    | -   | -               |
| MAGNETEK      | B232I347HP             | IS           | 2          | ✗      | -    | ✗      | -    | -      | -    | -      | -    | -   | -               |
| OSRAM         | QHE 2x32 T8/347 ISL-SC | IS           | 2          | ✓      | -    | ✓      | -    | -      | -    | -      | -    | -   | -               |
| OSRAM         | QHE 2x32 T8/347 ISN-SC | IS           | 2          | ✓      | -    | ✓      | -    | -      | -    | -      | -    | -   | -               |
| OSRAM         | QHE 4x32 T8/347 ISL-SC | IS           | 4          | -      | -    | -      | ✓    | -      | -    | ✓      | -    | -   | -               |
| STANDARD      | E232T8IS347/H/90C      | IS           | 2          | ✗      | -    | ✗      | -    | -      | -    | -      | -    | -   | -               |
| STANDARD      | E232T8IS347/L/BULK     | IS           | 2          | ✓      | -    | ✓      | -    | -      | -    | -      | -    | -   | -               |
| STANDARD      | E232T8IS347/N/BULK     | IS           | 2          | ✓      | -    | ✓      | -    | -      | -    | -      | -    | -   | -               |
| STANDARD      | E432PI347G01           | IS           | 4          | -      | -    | -      | ✓    | -      | -    | ✗      | -    | -   | -               |
| STANDARD      | E432T8IS347/L/BULK     | IS           | 4          | -      | -    | -      | ✓    | -      | -    | ✓      | -    | -   | -               |
| STANDARD      | E432T8IS347/N          | IS           | 4          | -      | -    | -      | ✓    | -      | -    | ✓      | -    | -   | -               |
| STANDARD      | E432T8IS347/N/BULK     | IS           | 4          | -      | -    | -      | ✗    | -      | -    | ✗      | -    | -   | -               |
| STANDARD      | E432T8IS347/H/90C      | IS           | 4          | -      | -    | -      | ✗    | -      | -    | ✗      | -    | -   | -               |
| ULTRASAVE     | JR232347               | RS           | 2          | -      | -    | ✗      | -    | -      | -    | -      | -    | -   | -               |
| ULTRASAVE     | MR232347               | IS           | 2          | ✗      | -    | ✓      | -    | -      | -    | -      | -    | -   | -               |
| UNIVERSAL     | B232I347HE-A           | IS           | 2          | ✓      | -    | ✓      | -    | -      | -    | -      | -    | -   | -               |
| UNIVERSAL     | B432I347HE-A           | IS           | 4          | -      | -    | -      | ✓    | -      | -    | ✓      | -    | -   | -               |
| UNIVERSAL     | B432I347RH             | IS           | 4          | -      | -    | -      | ✓    | -      | -    | ✓      | -    | -   | REV H           |

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