

QUICKTRONIC® T8 Instant Start Universal Voltage Systems



Professional Series

QTP T8 ISM

Lamp / Ballast Guide

32W T8 – OCTRON® lamps

- 1-lamp QTP1x32T8/UNV ISN-SC
- 2-lamp QTP2x32T8/UNV ISN-SC
- 3-lamp QTP3x32T8/UNV ISN-SC
- 4-lamp QTP4x32T8/UNV ISN-SC

Also operates:

FB032, FB031, F025, FB024, F017, FB016, F030/SS (30W), FB030/SS (30W), FB029/SS (29W), F028/SS (28W) & F025/SS (25W)

F040T8 operation:

1 lamp on 2L ballast, 2 lamps on 3L ballast, 3 lamps on 4L ballast

Key System Features

- Universal voltage (120-277V)
- Small can enclosure size
- Lamp Striation Control (LSC)
- 0.88 ballast factor
- 30-40% energy savings
- Min. Starting Temp:
 - -20°F (-29°C) for T8 lamps
 - 60°F (16°C) for Energy Saving T8 lamps
 - 0°F (-18°C) for F040T8 lamps
- <10% THD
- Virtually eliminates lamp flicker
- RoHS compliant
- Lead-free solder and manufacturing process

Application Information

SYLVANIA QUICKTRONIC Professional Series products are typically used in OEM (original equipment manufacturers) standard fixtures and Trade/Distributor Basic stocked products for replacement.

SYLVANIA QUICKTRONIC SYSTEM 32 UNV electronic T8 ballasts offer several advantages:

1. Operate OCTRON T8 lamps with maximum efficacy and high lumen output
 - 30-40% energy savings when compared to F40T12 magnetically ballasted systems (see table below)
2. Parallel Circuitry: keeps remaining lamps lit if one or more go out
3. Small Can Enclosure for:
 - low profile fixture design
 - transportation, inventory and ergonomic benefits
4. Lamp Striation Control (LSC): T8 energy saving lamps should be operated above 60°F, but under certain

System Information

SYLVANIA QUICKTRONIC SYSTEM 32 (QTP) UNV system advantages:

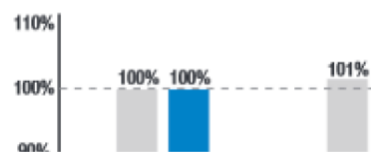
- Operate from 120V through 277V
 - Eliminates “wrong voltage” errors
 - Reduces inventory by 50%
- Utilizes Instant Start operation for
 - Highest System Efficacy
 - Low temperature starting capability
- Very low harmonic distortion (<10%)THD
- Operate at >42 kHz to reduce potential interference with infrared control systems
- Customers should always consider upgrading to our **High Efficiency**



conditions the lamps may striate. LSC circuitry may minimize or eliminate this condition; however there are limited applications where LSC circuitry may not entirely mitigate lamp striations

These ballasts are also RoHS compliant and feature lead-free solder and manufacturing process.

| System Type | Input Power (W) | Initial System Lumens |
|---------------------------------|-----------------|-----------------------|
| F40T12 - Std. Magnetic Ballast | 96 | 57 |
| E.S. Magnetic Ballast | 86 | 57 |
| F34T12 - Std. Magnetic Ballast | 82 | 46 |
| E.S. Magnetic Ballast | 72 | 46 |
| F032/XP® - QTP2x32T8/UNV-ISN-SC | 59 | 52 |
| F028/SS - QTP2x32T8/UNV-ISN-SC | 52 | 47 |



SPECIFICATION DATA

| | | |
|-----------|-------------|------|
| Catalog # | Date | Type |
| Project | Prepared by | |
| Comments | | |

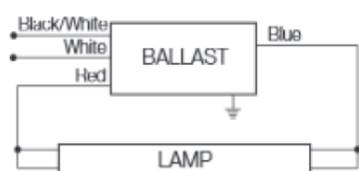
Universal Voltage (120-277V), Lamp Striation Control



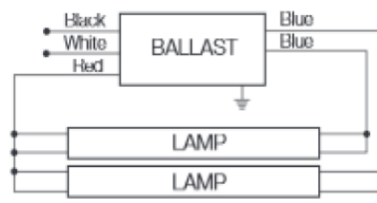
| Item Number | OSRAM SYLVANIA Description | Input Current (AMPS) | Lamp Type | Rated Lumens (lm) | No. of Lamps | Ballast Factor (BF) | System Lumens | Mean Lumens | Input Power (W) | System Efficacy (lm/W) | BEF ¹ |
|-------------------------|--|----------------------|----------------|-------------------|--------------|---------------------|---------------|-------------|-----------------|------------------------|------------------|
| 49905 49941 49942 | QTP1x32T8/UNV ISN-SC <i>Banded Pack</i> <i>10-Pack</i> <i>Pallet Pack</i> | 0.26/0.11 | F032/700 | 2600 | 1 | 0.88 | 2290 | 2105 | 30 | 76 | 2.93 |
| | | 0.26/0.11 | F032/XP® | 3000 | 1 | 0.88 | 2640 | 2480 | 30 | 88 | 2.93 |
| | | 0.25/0.11 | F030/SS | 2850 | 1 | 0.88 | 2510 | 2360 | 28 | 90 | 3.14 |
| | | 0.23/0.10 | F028/SS | 2725 | 1 | 0.88 | 2400 | 2255 | 26 | 91 | 3.38 |
| | | 0.20/0.09 | F025/SS | 2475 | 1 | 0.88 | 2180 | 2050 | 23 | 95 | 3.83 |
| 49906 49943 49944 | QTP2x32T8/UNV ISN-SC <i>Banded Pack</i> <i>10-Pack</i> <i>Pallet Pack</i> | 0.50/0.21 | F032/700 | 2600 | 2 | 0.88 | 4575 | 4205 | 59 | 78 | 1.49 |
| | | 0.50/0.21 | F032/XP | 3000 | 2 | 0.88 | 5280 | 4965 | 59 | 89 | 1.49 |
| | | 0.46/0.20 | F030/SS | 2850 | 2 | 0.88 | 5015 | 4715 | 55 | 91 | 1.60 |
| | | 0.43/0.19 | F028/SS | 2725 | 2 | 0.88 | 4795 | 4510 | 52 | 92 | 1.69 |
| | | 0.39/0.16 | F025/SS | 2475 | 2 | 0.88 | 4355 | 4095 | 46 | 95 | 1.91 |
| 49907 49945 49946 | QTP3x32T8/UNV ISN-SC <i>Banded Pack</i> <i>10-Pack</i> <i>Pallet Pack</i> | 0.72/0.31 | F032/700 | 2600 | 3 | 0.88 | 6865 | 6310 | 86 | 80 | 1.02 |
| | | 0.72/0.31 | F032/XP | 3000 | 3 | 0.88 | 7920 | 7445 | 86 | 92 | 1.02 |
| | | 0.69/0.30 | F030/SS | 2850 | 3 | 0.88 | 7525 | 7075 | 81 | 93 | 1.09 |
| | | 0.65/0.28 | F028/SS | 2725 | 3 | 0.88 | 7195 | 6760 | 76 | 95 | 1.16 |
| | | 0.58/0.25 | F025/SS | 2475 | 3 | 0.88 | 6535 | 6140 | 67 | 98 | 1.31 |
| 49908 49947 49948 | QTP4x32T8/UNV ISN-SC <i>Banded Pack</i> <i>10-Pack</i> <i>Pallet Pack</i> | 0.95/0.40 | F032/700 | 2600 | 4 | 0.88 | 9150 | 8415 | 112 | 82 | 0.79 |
| | | 0.95/0.40 | F032/XP | 3000 | 4 | 0.88 | 10,560 | 9925 | 112 | 94 | 0.79 |
| | | 0.91/0.39 | F030/SS | 2850 | 4 | 0.88 | 10,030 | 9430 | 105 | 96 | 0.84 |
| | | 0.85/0.37 | F028/SS | 2725 | 4 | 0.88 | 9590 | 9015 | 98 | 98 | 0.90 |
| | | 0.74/0.31 | F025/SS | 2475 | 4 | 0.88 | 8710 | 8190 | 88 | 99 | 1.00 |

Banded Pack, (add "-B" to Description). Banded Pack and 10-Pack contain 10 pieces each. Pallet Pack contains 840 pieces, (add "-PAL" to Description).

¹ Ballast Efficiency Factor (BEF) shown = (Ballast Factor X 100) divided by Input Power (Note: calculation based on lowest wattage value).

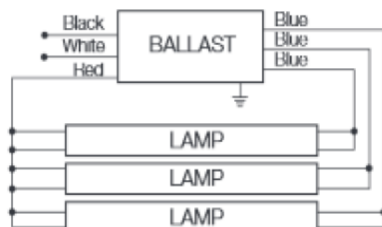


QUICKTRONIC 1x32



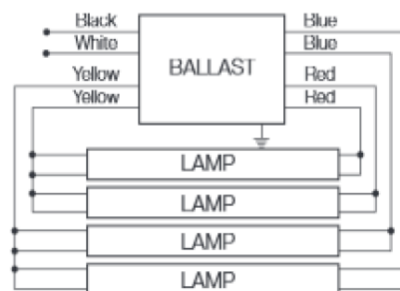
Note: For one lamp application, cap any blue lead. Insulate to 600 volts.

QUICKTRONIC 2x32



Note: For two lamp application, cap any blue lead. For one lamp application, cap any two blue leads. Insulate to 600 volts.

QUICKTRONIC 3x32



Note: For three lamp application, cap any unused blue lead. For two lamp application, cap two blue leads individually. For one lamp application, cap two blue leads, one red and one yellow lead individually. Insulate to 600 volts.

QUICKTRONIC 4x32

Dimensions:

Overall: 9.5" L x 1.68" W x 1.18" H

Mounting: 8.90"

