QUICKTRONIC® ICE – UNIVERSAL VOLTAGE
Electrodeless Fluorescent Systems

Lamp/Ballast Guide

Lamp:
- ICE 70W 2P
Ballast:
- QT1x100ICE/UNV

Lamp:
- ICE 100W 2P
- ICE 100W/R/2P
Ballast:
- QT1x100ICE/UNV
- QT1x150ICE/UNV

Lamp:
- ICE 150W 2P
Ballast:
- QT1x150ICE/UNV

Key System Features

- 100,000 Hour lamp life
- Instant on / Instant restrike
- Universal voltage
- 100% Ballast factor or higher
- High luminous efficacy
- Quiet operation
- High power factor
- Low harmonic distortion
- UL, CSA, FCC

System Information

SYLVANIA QUICKTRONIC ICE electronic ballasts operate SYLVANIA ICETRON® electrodeless fluorescent lamps with maximum efficacy and full lumen output.

SYSTEM ICE provides the longest life available from a fluorescent system in the market today. ICETRON lamps can last up to 100,000 hours, greatly reducing maintenance costs and extending relamping cycles.

QUICKTRONIC ICE is rated for operation in environments from -40°C (-40°F) up to 50°C (122°F). With this extensive thermal performance, SYSTEM ICE is suitable for a variety of applications traditionally addressed by HID systems.

Setting the standard for quality, SYSTEM ICE is also covered by our QUICK 60+® warranty, the first and most comprehensive system warranty in the industry.

System Type | Input Wattage | Initial Lumens | System LPW
-------------|---------------|----------------|------------
Metal Halide 70W | 90 | 5200 | 58
FB031 2-lamp | 57 | 4900 | 86
ICE70W | 79/77 | 6500 | 82/84
Metal Halide 100W | 125 | 8500 | 68
FB031 3-lamp | 84 | 7360 | 88
ICE100 | 106/103 | 8000 | 75/77
Metal Halide 150W | 180 | 12900 | 72
ICE150 | 161/156 | 12000 | 74/76

QUICKTRONIC ICE is available in two case configurations, UL Type 1 or Type 2 Outdoor rated. The Type 1 models are suitable for general applications and the Type 2 models are ideal for harsh environments, such as damp or wet locations.

Application Information

SYLVANIA QUICKTRONIC ICE is ideally suited for:
- Commercial
- Retail
- Sign lighting
- Street lighting
- Tunnel lighting

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A complete ICETRON system design guide (literature code FL022R1) is available to assist with proper fixture design for thermal management to achieve system performance and rated life.
**Electrodeless Fluorescent Systems**

**Specifications**
- **Starting Method:** I.C.E.
- **Circuit Type:** I.C.E.
- **Lamp Frequency:** 200–300kHz
- **Starting Temp.:** –40°F min (–13°F for 70W lamp)
- **Input Frequency:** 50/60 Hz
- **Low THD:** < 15%
- **Power Factor:** > 90%
- **Voltage Range:** 108–305V
- **UL Listed Class P, Type 1 or Type 2, Outdoor**
- **CSA Certified**
- **Temp. Test Point (Tc) on ballast label:** 70°C Max (150W)
  - 65ºC Max (100W)
- **FCC 47CFR Part 18 Non-Consumer**
- **Sound Rated A**
- **ANSI C62.41 Cat. A Transient Protection**
- **Remote mounting:** contact OSRAM SYLVANIA

**ICETRON® UNIVERSAL VOLTAGE**

**Performance Guide**

*Models rated UL Type 1 ("T" suffix) are designed for general lighting applications. Models rated UL Type 2 ("W" suffix) provide protection from water intrusion and are suitable for damp or wet locations.*

**Types of Ballasts**

**Type 1**: Connector (No leads provided)

**Input**: Use solid copper wire only

- 18 AWG, strip length 3/8"

**Output**: Use only output connector with SYLVANIA ICETRON® 2P lamps listed above

**Type 2**: Wiring:

**Input**: Integral lead wires, 600V, 18 AWG solid copper, approx 24" length

**Output**: Wire harness, approx 24" length with mating connector to lamp wiring harness

**Dimensions**

**Type 1 Dimensions**:
- Overall: 7.15" L x 3.96" W x 1.70" H
- Mounting: 6.70" L x 1.90" W
- **Packaging**
  - Quantity: 5
  - Weight: 1.9 lbs ea. (approx.)

**Type 2 Dimensions**:
- Overall: 7.10" L x 4.30" W x 1.70" H
- Mounting: 6.70" L x 1.90" W
- **Packaging**
  - Quantity: 5
  - Weight: 2.5 lbs ea. (approx.)

**Ordering Guide**

- **Item Number**
  - **QUICKTRONIC**
  - **Number of Lamps (1)**
  - **Case Type (Topmount or Watertight)**
  - **Line Voltage (120-277 VAC)**
  - **System Type - ICETRON**
  - **Primary Lamp Wattage**

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**QUICKTRONIC® products are covered by our QUICK 60+® warranty, a comprehensive lamp and ballast system warranty. For additional details, refer to our QUICK 60+ warranty bulletin.**