

# 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

**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.



### 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

The universal voltage feature of SYSTEM ICE allows operation from a line voltage of either 120 or 277V.

QUICKTRONIC ICE utilizes a special wire/connector system required for inductively coupled systems.

The inductively coupled lamp operation allows the coil to be removed from the lamp, eliminating one of the life limiting factors in a fluorescent lamp. It reduces blackening and provides long lamp life of up to 100,000 hours, with maximum energy efficiency.

Lamp amalgam tip position will affect light output at various temperatures.

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.

System Type	Input Wattage	Initial Lumens	System LPW
Metal Halide 70W FBO31 2-lamp ICE70W	90 57 79/77	5200 4900 6500	58 86 82/84
Metal Halide 100W FBO31 3-lamp ICE100	125 84 106/103	8500 7360 8000	68 88 75/77
Metal Halide 150W ICE150	180 161/156	12900 12000	72 74/76

### Application Information

#### SYLVANIA QUICKTRONIC ICE

is ideally suited for:

- Commercial
- Retail
- Sign lighting
- Street lighting
- Tunnel lighting

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.

# Electrodeless Fluorescent Systems

**ICETRON®  
UNIVERSAL  
VOLTAGE**

**Performance Guide**

Item Number	Description*	Input Voltage (VAC)	Input Current (AMPS)	Lamp Type	Rated <sup>1</sup> Lumens (lm)	No. of Lamps	Ballast Factor (BF)	System Lumens	Input Wattage (W)	System Efficacy (lm/W)
49753	QT 1x100 ICE/UNV-T	120-277	0.88/0.37	ICE100	8,000	1	1.00	8,000	106/103	75/77
49756	QT 1x100 ICE/UNV-W		0.66/0.29	ICE70	6,200	1	1.05	6,500	79/77	82/84
49772	QT 1x150 ICE/UNV-T	120-277	1.34/0.58	ICE150	12,000	1	1.00	12,000	161/156	74/76
49773	QT 1x150 ICE/UNV-W		1.28/0.54	ICE100	8,000	1	1.38	11,000	154/149	71/73

<sup>1</sup> Rated lamp lumens and performance data based on SYLVANIA ICETRON lamps.

**Use only with SYLVANIA ICETRON lamps (for additional lamp types contact OSRAM SYLVANIA).**

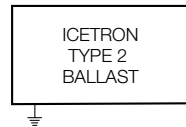
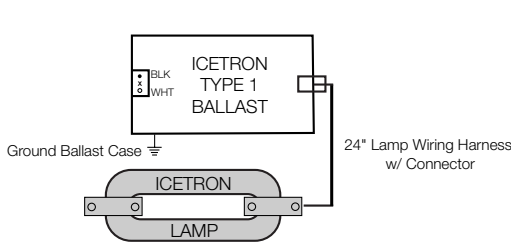
Item Number	Lamp Description	Item Number	Lamp Description	Item Number	Lamp Description
26087	ICE 70/835/2P	26102	ICE100/835/2P	26152	ICE150/835/2P
26088	ICE 70/841/2P	26103	ICE100/841/2P	26153	ICE150/841/2P
26089	ICE 70/850/2P	26105	ICE100/850/2P	26155	ICE150/850/2P
		26161	ICE100/841/R/2P/ECO (reflector)	26154	ICE150/BL/2P/ECO (black light)
		26106	ICE100/BL/2P/ECO (black light)		

**Specifications<sup>2</sup>**

**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)  
 65°C Max (100W)  
 FCC 47CFR Part 18 Non-Consumer  
 Sound Rated A  
 ANSI C62.41 Cat. A Transient Protection  
 Remote mounting: contact OSRAM SYLVANIA

<sup>2</sup> Data based on ICETRON lamp types. See the SYLVANIA QUICKTRONIC Electronic Ballast Technology and Specification Guide (ECS-ELECTRONIC) for more information.



**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.)

**System Life / Warranty**

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.

**Ordering Guide**

Specifications subject to change without notice.

