

# Triad®

## Compact Fluorescent Ballasts

# VS



Universal's TRIAD® electronic compact fluorescent ballasts and Vossloh-Schwabe's full range of compact fluorescent lampholders offer the complete package for compact fluorescent fixture manufacturers.

All of the ballasts feature installer-friendly universal input voltage and metal case designs for compliance with all plenum and construction code requirements. They also offer an end-of-lamp-life shutdown with autoreset circuit that meets ANSI/NEMA requirements—a feature that eliminates lamp/lampholder damage while allowing you to replace failed lamps after shutdown without turning off the power. The VS lampholders are made of high-temperature resistant polymer. The fatigue-resistant stainless steel clip ensures secure lamp fit.

Our universal voltage compact fluorescent ballasts offer both 1- and 2- lamp operation—and they're ideal for a wide variety of downlight and surface mount applications, including atriums, hotel corridors, elevators, and vandal-resistant fixtures. All ballasts operate multiple lamp types for added versatility in many different applications. The variety of lampholder sizes and mounting style adds even more flexibility to the system.

These ballasts are designed and manufactured for long life. Lamps can be mounted in close proximity to these ballasts because they have no temperature-critical components near the can sides. And their circuit board potting enhances reliability by lowering case temperatures. These ballasts are also backed by the TRIAD® five year warranty.

All universal voltage compact fluorescent ballasts incorporate Programmed Rapid Start (PRS) technology that increases lamp life for those frequently switched applications where occupancy sensors are used. PRS is recommended by all lamp manufacturers. Universal compact fluorescent systems meet requirements throughout North America. Our universal voltage products have received NOM certification in Mexico and the lampholders are all cUL listed. For the Canadian market, we have a complete range of 347 volt compact fluorescent models that offer outstanding reliability and lamp performance. Universal Lighting is your source for all Compact Fluorescent component needs.



## Versatility for 13-42 Watt Quad, Triple & Multi-Lamp Applications

Our C213UNV, C218UNV, C2642UNV and 242UNV operate a variety of quad, triple, and multilamp applications from 13 to 42 watts. The same ballast can operate one or two lamps in most applications. The bottom exit ("BE") and bottom exit leads with mounting studs ("BES") versions are ideal for downlight applications, while the multi exit (ME) and multi exit with mounting studs (MES) cover a variety of applications like sconces, ceilings and outdoor fixtures as well as all applications where bottom exit construction can be used.

### Features and Benefits

- **Universal input voltage of 120 - 277V**
  - Installer-friendly—ensures you have the right ballast every time
  - Reduces inventory costs and requirements
- **Metal can construction**
  - Maximum heat transfer to fixture
- **1- or 2-lamp operation of multiple lamp applications**
- **End-of-lamp-life shutdown circuit**
  - Meets ANSI/NEMA requirements
  - Eliminates lamp/lampholder damage
- **Auto-reset of lamp after shutdown**
  - Allows you to replace lamp without turning off power
- **THD<10%**
- **Programmed Rapid Starting (PRS)**
  - Increases lamp life for frequently-switched applications (occupancy sensors)
  - Meets all requirements of rapid start specifications and more
- **75°C Temperature Test Point**
  - Maximum Case Temperature of 75°C
  - Allows for easy ballast/fixture testing, assuring proper temperature application

#### C213UNVME, C213UNVMES

- Operates: 1- or 2- 13 watt quad or triple lamps

#### C218UNVME, C218UNVMES

- Operates: 1- or 2- 18 watt quad or triple lamps

#### C2642UNVBE, C2642UNVME, C2642UNVMES

- Operates: 1- or 2- 26 watt quad/triple lamps
  - 1- 32 watt triple lamp
  - 1- 42 watt multi lamp
  - 1- or 2- 24/27 watt long twin tube T5 lamps (2G11)

#### C242UNVME, C242UNVMES

- Operates: 1- or 2- 42 watt multi lamps
  - 1- 57 watt multi lamp
  - 1- 70 watt multi lamp
  - 1- or 2- 36/40 watt long twin tube T5 lamps (2G11)
  - 2- 24 watt long twin tube T5 lamps (2G11)
  - 2- 22 watt T5 circline lamps
  - 1- or 2- 22/40 watt T5 circline lamps





## 347 Volt Compact Fluorescent Ballasts for 13-42 Watts



## Unique Solutions for 2D & New T5 Circline Lamps

The new universal voltage ballasts also operate 2D and the new T5 circline lamps for wall sconces and other decorative wall and ceilingmounted fixtures. Available with connectors for side and bottom exits, the "ME" versions come with a white metal can to reduce shadowing in the fixture while also providing maximum heat dissipation away from the sensitive electronic components.

### C213UNVME, C213UNVMES

- Operates: 1- or 2- 16 watt 2D lamps  
1- or 2- 10 watt 2D lamps

### C218UNVME, C218UNVMES

- Operates: 1- or 2- 21 watt 2D lamps

### C2642UNVME, C2642UNVMES

- Operates: 1- FC9T5 22 watt circline lamp  
1- FC12T5 40 watt circline lamp  
1- 28 watt 2D lamp  
1- 38 watt 2D lamp

Our line of 347 volt electronic compact fluorescent ballasts covers lamp applications from 13 to 42 watts. These models also feature the metal housing for maximum heat transfer and long ballast life. Programmed rapid starting makes this product line ideal for use with occupancy sensors, as well as continuous operation applications.

### C213/347ME, C213/347MES

- Operates: 1- or 2- 13 watt quad or triple lamps  
1- or 2- 16 watt 2D lamps

### C218/347ME, C218/347MES

- Operates: 1- or 2- 18 watt quad or triple lamps  
1- or 2- 21 watt 2D lamps

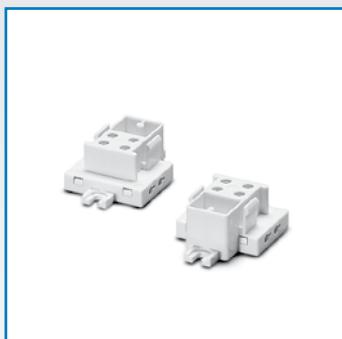
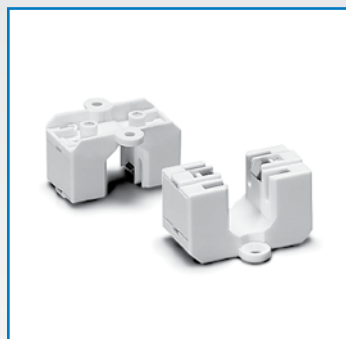
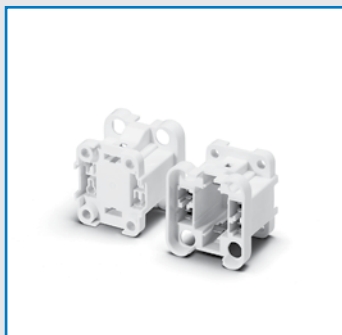
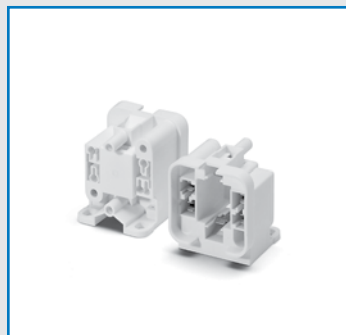
### C2642/347ME, C2642/347MES

- Operates: 1- or 2- 26 watt quad/triple/multi lamps  
1- 32 watt quad/triple/multi lamp  
1- 42 watt quad/triple/multi lamp  
1- 28 watt 2D lamps  
1- or 2- 24/27 watt long twin tube T5 lamps  
1- FC9T5 22 watt circline lamp  
1- FC12T5 40 watt circline lamp

### C242/347ME, C242/347MES

- Operates: 1- or 2- 42 watt quad/multi lamps  
1- 57 watt multi lamp  
1- 70 watt multi lamp  
2- 32 watt quad/triple/multi lamps  
2- 40 watt T5 circline lamps  
2- 24/36 watt long twin tube T5 lamps (2G11)  
1- 55 watt long twin tube T5 lamp (2G11)  
2- 22 watt T5 circline lamps  
1- + 1- 22 & 40 watts T5 circline lamps

# Vossloh-Schwabe lampholder for Compact fluorescent and Circline T5 lamps



## Features and Benefits

- Casing: Polycarbonate or PBT GF high-heat resistant material
- Push-in terminals for 18AWG solid or solder-dipped stranded cable
- Fatigue-free steel support springs for secure lamp fit
- G24q-3/4 universal versions for lamps 26 through 42
- Various mounting styles including snap-in and push-fit version for secure fast assembly
- cUL listed
- Unique Twist-and-lock G24q series



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