

# INFORMATION

## Ballasts

Unless otherwise specified, Williams' fixtures are provided with generic electronic ballasts. The term "generic" means the ballast/manufacturer utilized is determined by the factory. All ballasts are high quality, industry-recognized manufacturers, i.e. Advance, General Electric, Osram, ULT, or when necessary, substitutions equal in performance and warranty.

### BALLAST STANDARDS

- Where available, a generic electronic ballast is provided.
- T5: Defaults to program start (14-, 21-, 24-, 28-, 39-, and 54-watt).
- TT (Long Twin Tube): Defaults to instant start (40-watt only).
- T8: Defaults to instant start.

## Ballast Logic



### ORDERING INFORMATION (Note: Generic ballasts are not manufacturer specific)

#### BALLAST TYPE

**EB** Electronic ballast (Industry standard <10% THD)

#### T8 BALLAST OPTIONS<sup>1</sup>

**EB8P** T8 program start electronic ballast, <10% THD

**EBHW** Instant start electronic ballast, high (1.2 typical) ballast factor

**EBLW** Instant start electronic ballast, low (.77 typical) ballast factor

**EBHE** High-efficiency electronic ballast

**EB8PHW** T8 program start electronic ballast, high (1.2 typical) ballast factor

**EB8PLW** T8 program start electronic ballast, low (.77 typical) ballast factor

**EB8PHE** T8 program start high-efficiency electronic ballast

#### T5HO BALLAST OPTIONS<sup>1</sup>

**EBPSP** T5 program start parallel electronic ballast

#### T5S BALLAST OPTIONS<sup>1</sup>

**EB(115)** T5 program start electronic ballast, 1.15 ballast factor, specify manufacturer, see codes below  
**Example: EB(115)2\*AD**

**EB(95)** T5 program start electronic ballast, .95 ballast factor, specify manufacturer, see codes below  
**Example: EB(95)1\*UT**

#### TT BALLAST OPTIONS<sup>1</sup>

**EBTP** Twin tube program start electronic ballast

See dimming and step-dimming ballast options on page 232 .

#### NUMBER OF LAMPS OPERATED PER BALLAST(S)<sup>1</sup>

**1** 1-lamp ballast

**2** 2-lamp ballast

**3** 3-lamp ballast

**4** 4-lamp ballast

#### Examples:

- **EB2/2/2** = (3) 2-lamp electronic ballasts
- **EBD1** = (1) 1-lamp electronic dimming ballast

#### VOLTAGE<sup>1</sup>

**120** 120V

**208<sup>2</sup>** 208V<sup>2</sup>

**240<sup>2</sup>** 240V<sup>2</sup>

**277** 277V

**UNV** Universal voltage (120-277V)

**347<sup>2</sup>** 347V<sup>2</sup>

**480<sup>2</sup>** 480V<sup>2</sup>

- <sup>1</sup> Not all ballast options are available with all lamp quantities and voltages. Restrictions apply, consult factory.
- <sup>2</sup> Availability determined by fixture, lamp and ballast type, consult factory.

## Manufacturer-Specific Ballast Logic



When a specific manufacturer is required, insert an asterisk followed by a two-letter code following the ballast type or ballast option. See ballast logic above. See manufacturer code examples to the right.

For specific models, insert an asterisk followed by the model number after the manufacturer code.

### ORDERING INFORMATION

#### MANUFACTURER CODE EXAMPLES

**\*AD** Advance

**\*GE** General Electric

**\*LU** Lutron

**\*OS** Osram

**\*UT** Universal Lighting Technologies