

## Emergency Lighting Ballast Options

Lumen ranges indicated below are approximate and based on battery performance when used with ideal lamp type.

☐ = Shaded areas indicate availability. ☑ = Available with EM/ITS option.<sup>1</sup>

Williams Option Code	Description	Lumen Range	T4 Compact												
			130	13T	180	18T	260	26T	32T	42T	57T	70T			
EM94CG/1 EM/ITS/94CG/1	1-lamp EM	300-750	☑	☑	☑	☑	☑	☑	☑	☑	☑				
EM84CG/1	1-lamp EM	700-1250													
EM4CF2/1	1-lamp EM	700-1250													
EM75C/1	1-lamp EM	600-1300													
EM/I-42EMA/1 EM/ITS/I-42EMR/1	1-lamp EM	350-750	☑	☑	☑	☑	☑	☑	☑	☑	☑				
EM/I-42EMA/2 EM/ITS/I-42EMR/2	2-lamp EM	400-550	☑	☑	☑	☑									
EM/I-420EMA/1 EM/ITS/I-420EMR/1	1-lamp EM	600-1300	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑			
EM/I-420EMA/2 EM/ITS/I-420EMR/2	2-lamp EM	675-950	☑	☑	☑	☑	☑	☑	☑						
EM/ISD-420EMA/1	1-lamp EM	600-1200													
EM-ICE-420EMA/1	1-lamp EM	600-1300													
EM-ICE-420EMA/2	2-lamp EM	675-1250													

<sup>1</sup> EM/ITS option is emergency ballast with internal test switch.



Reflector shown with EM/ITS

### NOTES

- When multiple lamp operation is selected, lumen output is evenly distributed between lamps.
- Emergency ballasts provide illumination for a minimum of 90 minutes.
- Standard emergency ballasts are UL listed for dry locations only.

## Williams Downlighting Ballast Logic



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

#### BALLAST TYPE

- EB** Electronic ballast (Industry standard <10% THD)
- MB** Magnetic ballast (metal halide only)

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

- EBD\*\_\_** Electronic dimming ballast, must specify manufacturer, see right for manufacturer codes
- EBR** Residential electronic ballast
- EBRD\*\_\_** Residential electronic dimming ballast, must specify manufacturer, see right for manufacturer codes

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

- 1** 1-lamp ballast
- 2** 2-lamp ballast (fluorescent only)

#### Examples:

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

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

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

<sup>1</sup> Not all ballast options are available with all lamp quantities and voltages. Restrictions apply.

Unless otherwise specified, Williams Downlighting fixtures are provided with generic magnetic or 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 ballast is provided.
- Fluorescent: Defaults to program start.
- Residential Grade Fluorescent: Defaults to rapid start.
- Metal Halide (magnetic): Defaults to high-reactance autotransformer (100-watt or less) or constant wattage autotransformer (175-watt and above).

#### MANUFACTURER CODE EXAMPLES

- \*AD** Advance
- \*GE** General Electric
- \*LU** Lutron
- \*OS** Osram
- \*UT** Universal Lighting Technologies

