4.1 FCC Note

"This light device has been tested and found to comply with the limits for Consumer RF Lighting device, pursuant to Part 18 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

This product may cause interference to radio equipment and should not be installed near maritime safety communications equipment or other critical navigation or communication equipment operating between 0.45 – 30MHz."

If this equipment does cause harmful interference to other electronic equipments (which can be determined by turning the equipment on and off), the user is encouraged to try to correct the interference by using one or more of the following measures:

* Reorient or relocated the equipment position
* Increase the separation between the equipment and the other electronic equipments
* Connect the equipment into other circuit different from other electronic equipments are connected
* Consult the dealer or an experienced electronic equipments technician for help

4.2 Caution

Disconnect line voltage before installing or replacing.

Ballast case must be grounded to avoid possible shock hazard

4.3 Ballast Information

4.3.1 BEB/120/432

Ballast	BEB/120/432	Case Dimension：	242×33×26mm
Lamps	F32/25/17T8	Max. Operate Ambient Tem.	55℃
Num. of lamps	4 or 3	Min. Start Ambient Tem.	-18℃
Input Voltage	120Vac 60Hz	Sound Rating	Class A
Max. Input Current	1.6±10%	Net weight	0.5Kg
Max. Input Wattage	105W±10%	Open Circuit Voltage	600V
Min. Starting Voltage	108V	Voltage to Ground	<600V
Normal Factor	>0.5	Enclosed and Potted	
Total Harmonic Distortion	<150%	Type 1 Outdoor Class P Type HL	
Lamp Operation	Parallel	No PCB's	
Lamp Current	0.170A	Instant Start	
Current Crest Factor	<1.7	UL and CUL	
Operating Frequency	44.5kHz	FCC 47.18 Consumer Equipment	

4.3.2 BEB/120/332

Ballast	BEB/120/332	Case Dimension：	242×33×26mm
Lamps	F32/25/17T8	Max. Operate Ambient Tem.	55℃
Num. of lamps	3 or 2	Min. Start Ambient Tem.	-18℃
Input Voltage	120Vac 60Hz	Sound Rating	Class A
Max. Input Current	1.3±10%	Net weight	0.5Kg
Max. Input Wattage	86W±10%	Open Circuit Voltage	600V
Min. Starting Voltage	108V	Voltage to Ground	<600V
Normal Factor	>0.5	Enclosed and Potted	
Total Harmonic Distortion	<150%	Type 1 Outdoor Class P Type HL	
Lamp Operation	Parallel	No PCB's	
Lamp Current	0.17A	Instant Start	
Current Crest Factor	<1.7	UL and CUL	
Operating Frequency	44.5kHz	FCC 47.18 Consumer Equipment	

4.3.3 BEB/120/232

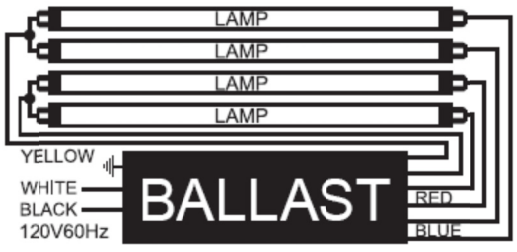
Ballast	BEB/120/232	Case Dimension：	153×40×30mm
Lamps	F32/25/17T8	Max. Operate Ambient Tem.	55℃
Num. of lamps	2 or 1	Min. Start Ambient Tem.	-18℃
Input Voltage	120Vac 60Hz	Sound Rating	Class A
Max. Input Current	0.85±10%	Net weight	0.35Kg
Max. Input Wattage	59W±10%	Open Circuit Voltage	600V
Min. Starting Voltage	108V	Voltage to Ground	<600V
Normal Factor	>0.5	Enclosed and Potted	
Total Harmonic Distortion	<150%	Type 1 Outdoor Class P Type HL	
Lamp Operation	Parallel	No PCB's	
Lamp Current	0.17A	Instant Start	
Current Crest Factor	<1.7	UL and CUL	
Operating Frequency	44.5kHz	FCC 47.18 Consumer Equipment	

4.3.3 BEB/120/32

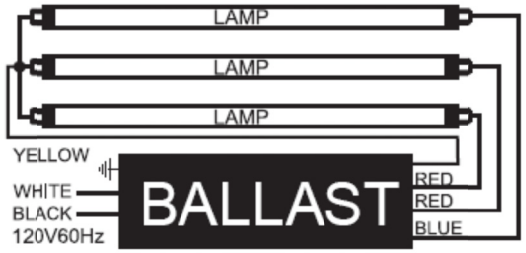
Ballast	BEB/120/32	Case Dimension：	153×40×30mm
Lamps	F32/25/17T8	Max. Operate Ambient Tem.	55℃
Num. of lamps	1	Min. Start Ambient Tem.	-18℃
Input Voltage	120Vac 60Hz	Sound Rating	Class A
Max. Input Current	0.52±10%	Net weight	0.35Kg
Max. Input Wattage	32W±10%	Open Circuit Voltage	600V
Min. Starting Voltage	108V	Voltage to Ground	<600V
Normal Factor	>0.5	Enclosed and Potted	
Total Harmonic Distortion	<150%	Type 1 Outdoor Class P Type HL	
Lamp Operation	Parallel	No PCB's	
Lamp Current	0.17A	Instant Start	
Current Crest Factor	<1.7	UL and CUL	
Operating Frequency	44.5kHz	FCC 47.18 Consumer Equipment	

4.4 Wiring Diagram

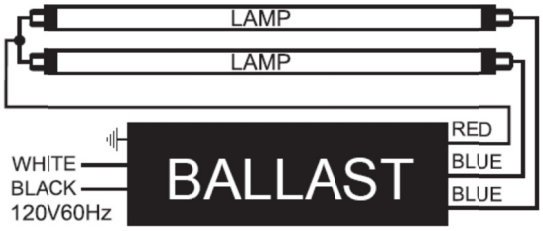
4.4.1 BEB/120/432



4.4.2 BEB/120/332



4.4.3 BEB/120/232



4.4.3 BEB/120/32