

#### 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.”

- \* 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.

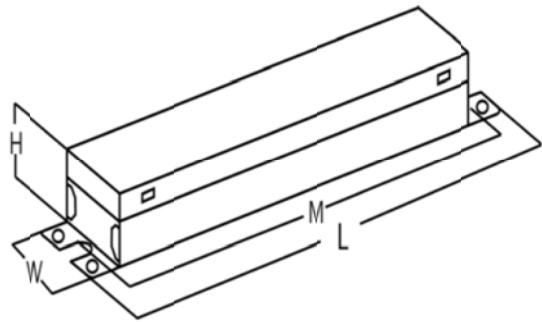
Ballast case must be grounded to avoid possible shock hazard

#### 4.3 Ballast Information

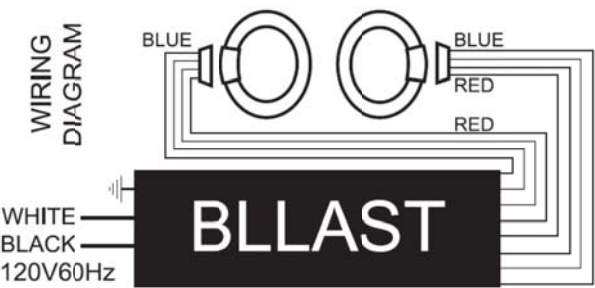
##### 4.3.1 BEB/120/40+32/1

Ballast	BEB/120/40+32/1	Case Dimension(mm):	153×40×30
Lamps	FC16+12T9(40W+32W)	Max. Operate Ambient Tem.	55℃
Num. of lamps	1+1	Min. Start Ambient Tem.	-18℃
Input Voltage	120Vac 60Hz	Sound Rating	Class A
Max. Input Current	0.82 ± 10%	Net weight	0.35Kg
Max. Input Wattage	58W ± 10%	Open Circuit Voltage	600V
Min. Starting Voltage	108V	Voltage to Ground	<600V
Normal Factor	>0.5	Enclosed and Potted Type 1 Outdoor Class P Type HL No PCB's Rapid Start UL and CUL	
Total Harmonic Distortion	<150%		
Lamp Operation	In Series		
Lamp Current	0.23A		
Current Crest Factor	<1.7		
Operating Frequency	48kHz		

Lamps	Power Supply	Input Current	Input Power	Power Factor	THD	Lamp Current	Operating Frequency	Lamp CCF
1×FC16T9(40W) +1×FC12T9(32W)	120V60Hz	0.82A	58W	>0.5	<150%	0.23A	48KHz	<1.7



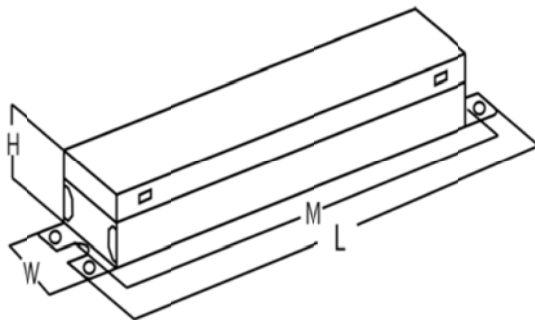
Case	Length	Mount	Width	High
mm	153	144	40	30



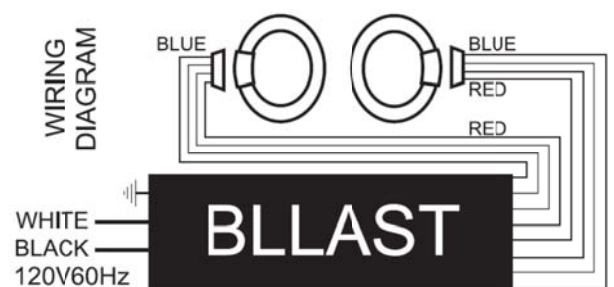
#### 4.3.2 BEB/120/32+22/1

Ballast	BEB/120/32+22/1	Case Dimension(mm):	153×40×30
Lamps	FC12+08T9(32W+22W)	Max. Operate Ambient Tem.	55℃
Num. of lamps	1+1	Min. Start Ambient Tem.	-18℃
Input Voltage	120Vac 60Hz	Sound Rating	Class A
Max. Input Current	0.68 ± 10%	Net weight	0.35Kg
Max. Input Wattage	45W ± 10%	Open Circuit Voltage	600V
Min. Starting Voltage	108V	Voltage to Ground	<600V
Normal Factor	>0.5	Enclosed and Potted Type 1 Outdoor Class P Type HL No PCB's Rapid Start UL and CUL	
Total Harmonic Distortion	<150%		
Lamp Operation	In Series		
Lamp Current	0.23A		
Current Crest Factor	<1.7		
Operating Frequency	48kHz		

Lamps	Power Supply	Input Current	Input Power	Power Factor	THD	Lamp Current	Operating Frequency	Lamp CCF
1×FC12T9(32W) +1×FC08T9(22W)	120V60Hz	0.68A	45W	>0.5	<150%	0.22A	48KHz	<1.7



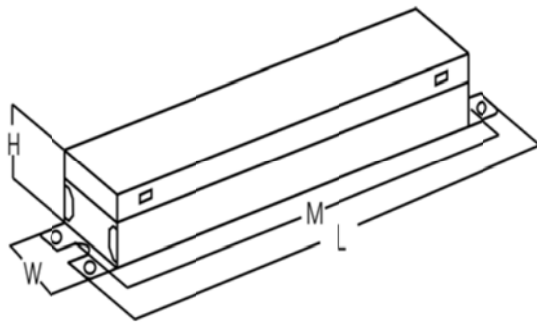
Case	Length	Mount	Width	High
mm	153	144	40	30



#### 4.3.3 BEB/120/22

Ballast	BEB/120/22	Case Dimension(mm):	98×50×26
Lamps	FC08T9(22W)	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	0.36 ± 10%	Net weight	0.35Kg
Max. Input Wattage	20W ± 10%	Open Circuit Voltage	600V
Min. Starting Voltage	108V	Voltage to Ground	<600V
Normal Factor	>0.5	Enclosed and Potted Type 1 Outdoor Class P Type HL No PCB's Rapid Start UL and CUL	
Total Harmonic Distortion	<150%		
Lamp Operation	Parallel		
Lamp Current	0.25A		
Current Crest Factor	<1.7		
Operating Frequency	48kHz		

Lamps	Power Supply	Input Current	Input Power	Power Factor	THD	Lamp Voltage	Lamp Current	Operating Frequency	Lamp CCF
1 × FC08T9(22W)	120V60Hz	0.36A	20W	>0.5	<150%	62V	0.25A	48KHz	<1.7



Case	Length	Mount	Width	High
mm	153	144	40	30

