



Antron Electronics Co.,LTD  
安雄電子股份有限公司

# BIAX PL-L Instant Start Ballasts



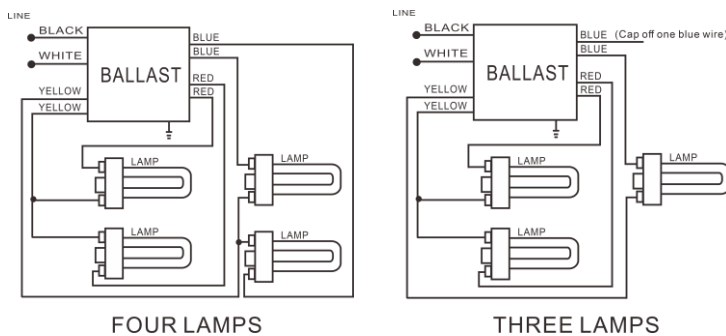
|                 |                                                                                 |
|-----------------|---------------------------------------------------------------------------------|
| Model Name      | EPQ-140PBX                                                                      |
| Ballast Type    | Electronic                                                                      |
| Starting Method | Instant Start                                                                   |
| Lamp connection | Parallel                                                                        |
| Input Voltage   | 120V                                                                            |
| Input Frequency | 50/60Hz                                                                         |
| Warranty        | 5 Years $TC \leq 75^{\circ}C$<br>3 Years $75^{\circ}C \leq TC \leq 90^{\circ}C$ |

## Safety & Performance



- Maximum Four lamps
- UL/cUL Listed
- UL Type 1 Outdoor
- FCC part 18 Class A
- Sound Rated Class A
- Class P Thermally Protected
- High Power Factor
- Surge Protected
- Auto Restart
- No PCBs
- Type HL

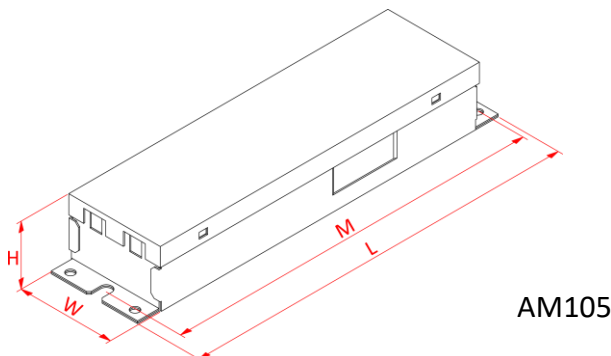
## Wire Diagram



| Lead Length | Inch | Cm   |
|-------------|------|------|
| Black       | 18.8 | 48   |
| White       | 18.8 | 48   |
| Blue        | 30.9 | 78.5 |
| Red         | 30.9 | 78.5 |
| Yellow      | 46.4 | 118  |

Maximum Wiring Distance (at full load) is 18AWG/18Feet  
Case must be grounded

## Enclosure



AM105

| Enclosure   | Inch | Cm   |
|-------------|------|------|
| Length(L)   | 9.5  | 24.1 |
| Width(W)    | 2.4  | 6.1  |
| Height(H)   | 1.46 | 3.7  |
| Mounting(M) | 8.9  | 22.6 |



## Electrical Specification with Different Lamps

| Lamp Type     | No. of Lamps | Input Voltage (V) | Rated Lamp Watts | Start Temp Min. (F/C) | Input Current (Amps) | Input Power (ANSI Watts) | Ballast Factor | THD Max. (%) | Power Factor | Lamp Current Crest Factor Max. | BEF  |
|---------------|--------------|-------------------|------------------|-----------------------|----------------------|--------------------------|----------------|--------------|--------------|--------------------------------|------|
| PLL 40W       | 4            | 120               | 40               | 14/-10                | 0.12                 | 126                      | 0.9            | 10           | 0.99         | 1.7                            | 0.71 |
|               | 3            |                   |                  |                       | 0.87                 | 104                      | 0.92           | 10           | 0.99         |                                | 0.88 |
| PLL 39W       | 4            | 120               | 39               | 14/-10                | 0.89                 | 108                      | 0.6            | 10           | 0.99         | 1.7                            | 0.56 |
|               | 3            |                   |                  |                       | 0.68                 | 81                       | 0.65           | 10           | 0.99         |                                | 0.80 |
| PLL 36W       | 4            | 120               | 36               | 14/-10                | 0.85                 | 103                      | 0.7            | 10           | 0.99         | 1.7                            | 0.68 |
|               | 3            |                   |                  |                       | 0.65                 | 78                       | 0.72           | 10           | 0.99         |                                | 0.92 |
| FT40/ES (28W) | 4            | 120               | 28               | 14/-10                | 1.02                 | 122                      | 0.9            | 10           | 0.99         | 1.7                            | 0.74 |
|               | 3            |                   |                  |                       | 0.81                 | 98                       | 0.92           | 10           | 0.99         |                                | 0.94 |
| FT40/ES (25W) | 4            | 120               | 25               | 14/-10                | 0.98                 | 118                      | 0.9            | 10           | 0.99         | 1.7                            | 0.76 |
|               | 3            |                   |                  |                       | 0.78                 | 94                       | 0.92           | 10           | 0.99         |                                | 0.98 |