

# TECHNICAL INFORMATION BULLETIN

## LAMP AND BALLAST KIT



### Ordering Information

Order code: 61008

ANSI code: M155

Description: LBK/BMHP0400/TRITAP/C/CWA/MOG

System: Pulse Start Metal Halide

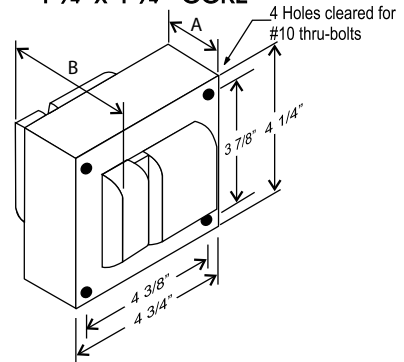
UPC: 69549610088

### Ballast Information

|                             |                  |
|-----------------------------|------------------|
| Line Voltage                | 120/277/347V     |
| Regulation                  |                  |
| Line Volts                  | +/- 10%          |
| Line Watts                  | +/- 10%          |
| Frequency                   | 60 Hz            |
| Circuit Type                | CWA              |
| Power Factor (min)          | 90%              |
| Insulation Class            | H(180°)          |
| Min. Ambient Starting Temp. | -20° F or -30° C |

| Line Voltage (Volts)              | 120         | 277         | 347         |
|-----------------------------------|-------------|-------------|-------------|
| Line Current (Amps)               |             |             |             |
| Operating                         | 3.80        | 1.70        | 1.40        |
| Open Circuit                      | 3.00        | 1.30        | 1.00        |
| Starting                          | 2.15        | 0.95        | 0.75        |
| Input Watts (W)                   | 452         | 452         | 452         |
| Open Circuit Voltage (V)          | 270         | 270         | 270         |
| Drop Out Voltage (V)              | 60          | 138         | 175         |
| UL(1029) Bench Top Rise           | E           | E           | E           |
| Recommended Fuse (Amps)           | 10          | 5           | 4           |
| HIGH POTENTIAL TEST (VOLTS)       |             |             |             |
| 1 Minute                          | 2000        |             |             |
| 2 Seconds                         | 2500        |             |             |
| Open Circuit Voltage Test(volts)  | 245-300     |             |             |
| Short-Circuit Current Test (Amps) |             |             |             |
| Secondary Current                 | 3.5 - 4.3   |             |             |
| Input Current (Amps)              | 1.62 - 2.35 | 0.65 - 1.05 | 0.55 - 0.85 |

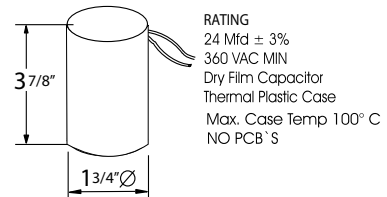
#### 4 1/4" x 4 3/4" CORE



#### CORE AND COIL

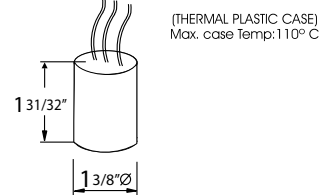
|                       |       |
|-----------------------|-------|
| Dimension A (inches)  | 1.80  |
| Dimension B (inches)  | 3.70  |
| Weight (Lbs)          | 12.25 |
| Lead Lengths (inches) | 12    |

#### CAPACITOR

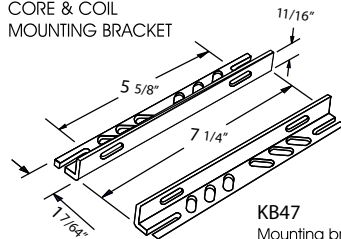


#### IGNITOR

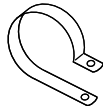
Ballast to Lamp Distance (BTL): 2 feet



#### BRACKET CORE & COIL MOUNTING BRACKET



**KB47**  
Mounting bracket for  
Core & Coil Ballasts  
(2 brackets with thru bolts)

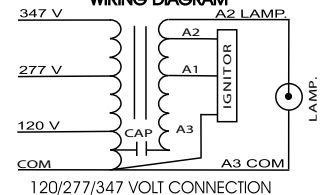


**C-01**  
MOUNTING CLIP for round  
case (Furnished as standard  
with B suffix ballast)



**I-01**  
MOUNTING CLIP for round  
case (Furnished as standard  
with B suffix ballast)

#### WIRING DIAGRAM



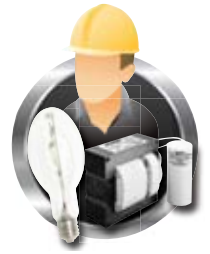
Data is based upon tests performed in a controlled environment and representative of relative performance. Actual performance can vary depending on operating conditions. Specifications are subject to change without notice.



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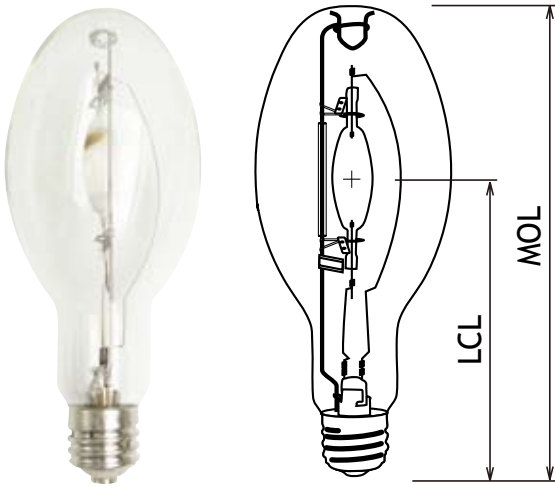
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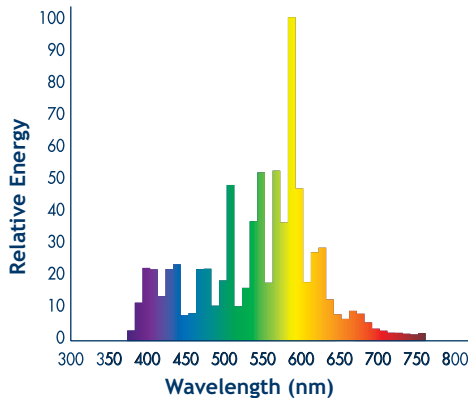
### Lamp Information



|                                |                   |
|--------------------------------|-------------------|
| Wattage (W):                   | 400               |
| Initial lumens (lm):           | 44 000            |
| Mean lumens (lm):              | 35 000            |
| Lumens per watt (lm/W):        | 110               |
| Lamp voltage (V):              | 135               |
| Colour temperature (K):        | 4 000             |
| Chromaticity (x,y):            | 0.395, 0.390      |
| CRI:                           | 68                |
| Average life (hrs):            | 20 000            |
| Lamp lumen depreciation:       | 0.86% @ 8 000 hrs |
| Warm up time to 90% (min):     | 2-3               |
| Hot restart time to 90% (min): | 4-6               |
| Burn Position:                 | Base Up $\pm$ 15° |
| Dimming:                       | 50% rated power   |
| Max base temperature:          | 210               |
| Max lamp temperature:          | 400               |
| Socket pulse rating (kV):      | 4                 |



### Spectral Distribution



### Physical data / Requirements

|                            |                |
|----------------------------|----------------|
| Shape:                     | ED37           |
| Base:                      | Mog Base E39   |
| Finish:                    | Clear          |
| Luminaire rating:          | Enclosed Rated |
| Diameter (mm/in.):         | 117.5 (4 5/8)  |
| MOL (mm/in.):              | 292.0 (11 1/2) |
| LCL (mm/in.):              | 178.0 (7)      |
| Effective arc length (mm): | N/A            |
| Mercury Content (mg):      | 40.3           |

### Warning

“R” **WARNING:** this lamp can cause serious skin burn and eye inflammation from shortwave ultraviolet radiation if the outer envelope of the lamp is broken or punctured. Do not use where people will remain for more than a few minutes unless adequate shielding or other safety precautions are used. Lamps that will automatically extinguish when the outer envelope is broken or punctured are commercially available. Complies with USA Federal Standard 21 CFR 1040.30 and Canada Standard SOR/80-381.

