

TECHNICAL INFORMATION BULLETIN

LAMP AND BALLAST KIT



Ordering Information

Order code: 61840

ANSI code: M90

Description: LBK/BMH0100/TRITAP/C/HX/MED

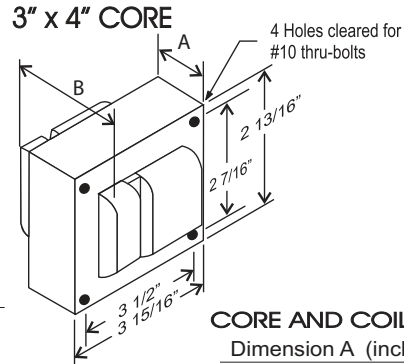
System: Pulse Start Metal Halide

UPC: 69549618404

Ballast Information

Line Voltage	120/277/347V
Regulation	
Line Volts	+/- 5%
Line Watts	+/-10%
Frequency	60 Hz
Circuit Type	HX-HPF
Power Factor (min)	90%
Insulation Class	H(180°)
Min. Ambient Starting Temp.	-20° F or -30° C

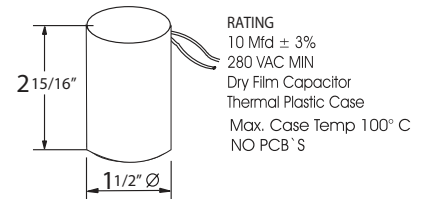
Line Voltage (Volts)	120	277	347
Line Current (Amps)			
Operating	1.16	0.50	0.40
Open Circuit	2.16	0.95	0.75
Starting	1.60	0.68	0.59
Input Watts (W)	130	130	130
Open Circuit Voltage (V)	250	250	250
Drop Out Voltage (V)	90	208	260
UL(1029) Bench Top Rise	B	A	B
Recommended Fuse (Amps)	6	3	2
HIGH POTENTIAL TEST (VOLTS)			
1 Minute	2000		
2 Seconds	2500		
Open Circuit Voltage Test(volts)	235-275		
Short-Circuit Current Test (Amps)			
Secondary Current	1.25 - 1.65		
Input Current (Amps)		0.65 - 1.60	0.35 - 0.70
		0.29 - 0.55	



CORE AND COIL

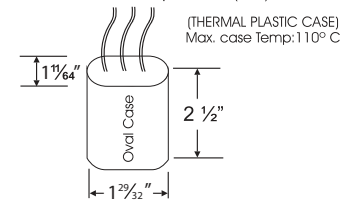
Dimension A (inches)	1.70
Dimension B (inches)	3.15
Weight (Lbs)	6.50
Lead Lengths (inches)	12

CAPACITOR

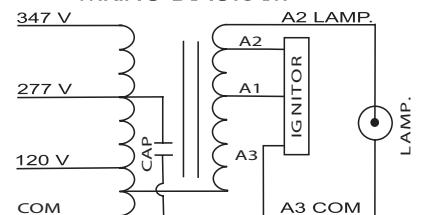


IGNITOR

Ballast to Lamp Distance (BTL): 5 feet



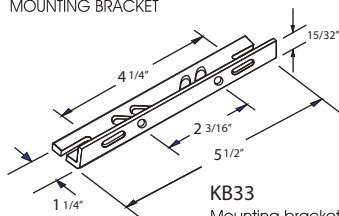
WIRING DIAGRAM



120/277/347 VOLT CONNECTION

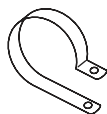
BRACKET

CORE & COIL
MOUNTING BRACKET



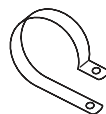
KB33

Mounting bracket for Core & Coil Ballasts (1 bracket with thru bolts)



C-01

MOUNTING CLIP for round case (Furnished as standard with B suffix ballast)



I-01

MOUNTING CLIP for oval case (Furnished as standard with B suffix ballast)



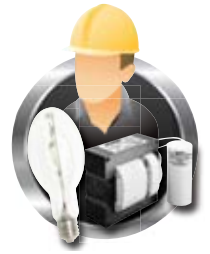
Data is based upon tests performed in a controlled environment and representative of relative performance. Actual performance can vary depending on operating conditions. Specifications are subject to change without notice.



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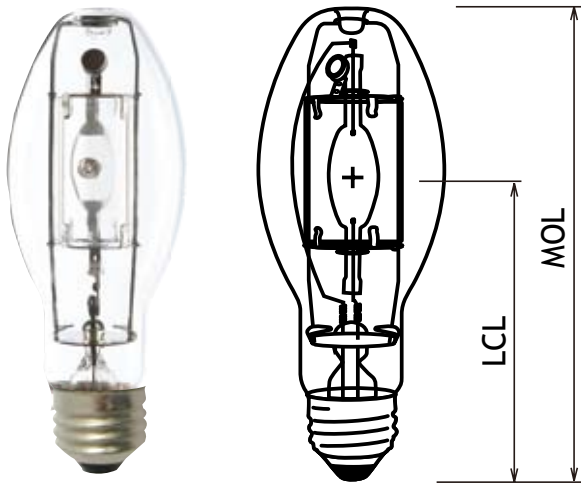
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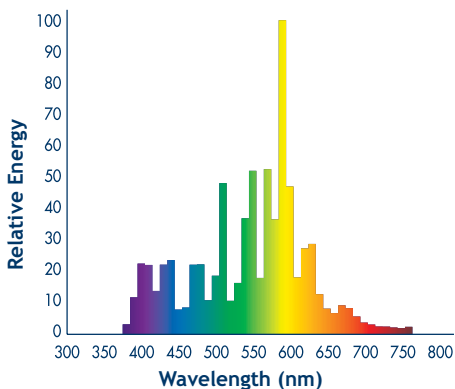
Lamp Information



Wattage (W):	100
Initial lumens (lm):	9 000
Mean lumens (lm):	5 900
Lumens per watt (lm/W):	90
Lamp voltage (V):	100
Colour temperature (K):	4 000
Chromaticity (x,y):	0.385, 0.390
CRI:	65
Average life (hrs):	15 000
Lamp lumen depreciation:	0.65% @ 6 000 hrs
Warm up time to 90% (min):	1-2
Hot restart time to 90% (min):	2-4
Burn Position:	Universal
Dimming:	50% rated power
Max base temperature:	210
Max lamp temperature:	400
Socket pulse rating (kV):	4



Spectral Distribution



Physical data / Requirements

Shape:	EDX17
Base:	Med Base E26
Finish:	Clear
Luminaire rating:	Open Rated
Diameter (mm/in.):	54.0 (2 1/8)
MOL (mm/in.):	138.0 (5 7/16)
LCL (mm/in.):	86.0 (3 3/8)
Effective arc length (mm):	12.7
Mercury Content (mg):	16

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.

