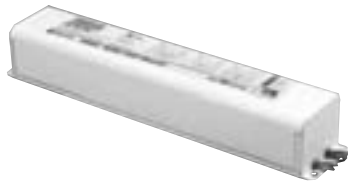


HIGH OUTPUT BALLASTS



- Provide ultra-reliable low-temperature starting (as low as -20°F)
- Support 1 to 6 lamps
- Ideal for rugged outdoor sign cabinet applications
- Class P thermally protected

STANDARD HIGH OUTPUT SIGN BALLASTS

Catalog Number	Total Lamp Footage	Start Temp (°F)	Max. Line Cur.	Max. Input Watts	Open Circuit Volt.	Wiring Diagram	Dimen. Chart Ref.	Weight (lbs.)
PLASTIC SIGN BALLASTS - HIGH OUTPUT 800mA RS LAMPS - 120 Volts - 60 Hz								
TWO LAMP BALLASTS								
USB-0412-12	4' min. - 12' max.	-20	1.35	160	500	1a, 2a	1	8
FOUR LAMP BALLASTS								
USB-0816-14	8' min. - 16' max.	-20	1.90	220	590	4a, 6a, 9, 1b	2	12
USB-1024-14	10' min. - 24' max.	-20	2.70	325	720	4a, 6a, 9, 1b	3	14
USB-1632-24	16' min. - 32' max.	-20	3.50	420	950	4a, 6a, 9	4	16
SIX LAMP BALLASTS								
USB-2036-46	20' min. - 36' max.	-20	4.00	480	600	5a, 7, 7a	4	18
USB-2048-46	20' min. - 48' max.	-20	5.00	600	720	5a, 7, 7a	4	18

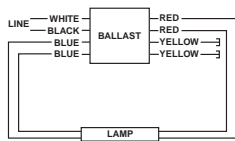


Diagram 1a

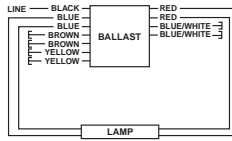
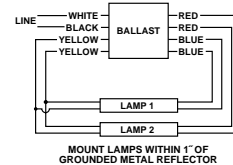
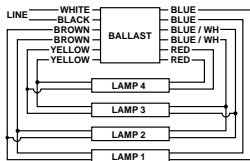


Diagram 1b



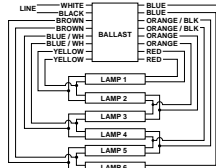
MOUNT LAMPS WITHIN 1' OF GROUNDED METAL REFLECTOR

Diagram 2a



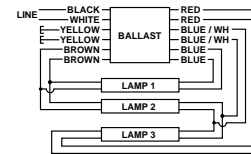
MOUNT LAMPS WITHIN 1' OF GROUNDED METAL REFLECTOR

Diagram 4a



MOUNT LAMPS WITHIN 1' OF GROUNDED METAL REFLECTOR

Diagram 5a



INDIVIDUALLY CAP THE YELLOW LEADS

Diagram 6a

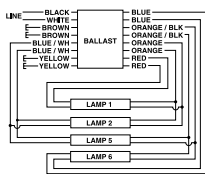
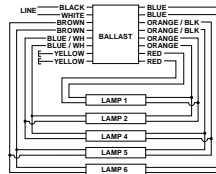


Diagram 7



INDIVIDUALLY CAP THE YELLOW LEADS

Diagram 7a

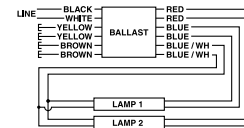
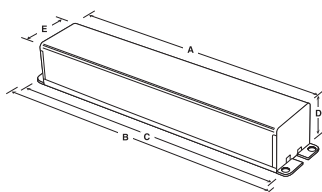


Diagram 9



PLASTIC SIGN FLUORESCENT BALLASTS DIMENSION CHART - STANDARD CASE (INCHES)

Ref. #	A	B	C	D	E
1	10 ³⁷ / ₆₄ "	11 ⁴⁵ / ₆₄ "	11 ⁶⁴ / ₆₄ "	1 ⁴ / ₄ "	3 ³ / ₁₆ "
2	10 ³⁷ / ₆₄ "	11 ⁴⁵ / ₆₄ "	11 ⁶⁴ / ₆₄ "	2 ⁴³ / ₆₄ "	3 ³ / ₁₆ "
3	13 ³ / ₁₆ "	14 ⁵ / ₁₆ "	13 ³ / ₄ "	2 ⁴³ / ₆₄ "	3 ³ / ₁₆ "
4	15 ⁹ / ₁₆ "	16 ¹¹ / ₁₆ "	16 ¹ / ₈ "	2 ⁴³ / ₆₄ "	3 ³ / ₁₆ "

Diagrams Notes:

Note 1: When operating a two-lamp ballast on one lamp insulate each yellow lead.

Note 3: When operating a four-lamp ballast on three lamps insulate each yellow blue/white, and brown lead.