

## Proper Ballast Selection

The T8 Reliant System consists of T8 Reliant lamps and two types of ballasts to power those lamps.

Ballast types with catalog numbers beginning with “**EB25**”, “**EBR845**”, and “**EBR865**” will light T8 Reliant lamps 60 inches or shorter. Using these ballasts with longer lamps will greatly reduce the life of the ballast.

EB25: 1 or 2 lamps 3 to 10 feet total lamp length with no single lamp being longer than 5 feet.

EBR845: 3 or 4 lamps 6 to 20 feet total lamp length with no single lamp being longer than 5 feet.

EBR865: 5 or 6 lamps 10 to 30 feet total lamp length with no single lamp being longer than 5 feet.

Ballast types with catalog numbers beginning with “**EBR828**”, “**EBR848**”, and “**EBR868**” are to be used when any single lamp in an installation is longer than 60 inches. These ballasts will run all available T8 Reliant lamps from the F24T8 to the F96T8; however, the minimum and maximum total footage indicated for these ballasts **MUST** be maintained.

EBR828: 1 or 2 lamps 2 to 16 feet total lamp length with no single lamp being longer than 8 feet.

EBR848: 2, 3, or 4 lamps 4 to 32 feet total lamp length with no single lamp being longer than 8 feet.

EBR868: 4, 5, or 6 lamps 8 to 48 feet total lamp length with no single lamp being longer than 8 feet.

Examples:

- 4 – F60T8 and 2 – F36T8 lamps. Ballast required – EBR865 because no single lamp is longer than 5 feet and there are 6 lamps.
- 2 – F72T8 lamps. Ballast required – EBR828 because the lamps are over 5 feet and there are only 2 lamps.
- 2 - F72T8, 2 – F24T8, and 2 F36T8 lamps. Ballast required – EBR868. The total footage for all lamps is 22 feet. This is within the total maximum and minimum footage for the EBR868 AND has lamps that are more than 5 feet long.

Follow the single lamp length rule and the total maximum and minimum lamp lengths and the ballast chosen will provide years of uninterrupted service.