

Maximizes production yield

Keeps the light levels at the optimum intensity recommended by the "Lighting Profile" ensuring consistent homogeneous crop production regardless of seasonal and daily variations while minimizing electricity use.

Dynamic system

Adaptive sensor controlled lights can be adjusted according to the crop lighting profile. The same lighting hardware can be used for different crops under different conditions.

Predictability

Grow-Ray's Adaptive Sensors eliminates the risk of crop production delay and under developed crops--the chief problems in greenhouses and nurseries.

The Grow-Ray adaptive lighting system removes the uncertainty of lighting conditions over the year and ensures the required supplemental light amount during fall and winter.

Spatial/temporal resolution

The individualized light adjustment precisely matches the different lighting requirements according to the variable ambient lighting condition inside the greenhouse, ensuring maximum light use efficiency.

