



## DIM-TO-OFF

Many crops are sensitive to the duration of light that they are exposed to and have specific dark period requirements during various phases of growth. Fluence recognizes the importance of photoperiod and light deprivation; therefore, we offer the following guidance.

- Many horticultural luminaires include dim-to-off functionality. However, normal facility electromagnetic interference from fans, HVAC, or other electrical sources may interrupt the dimming signal to Fluence luminaires. There can also be interaction between the facility's electrical infrastructure and the luminaire's natural electrical capacitance. These issues may cause the light fixtures to glow nominally or to turn on entirely, thus interrupting the dark period.
- Consequently, Fluence recommends the use of AC circuit contactors to ensure that glowing or dimming interruptions are mitigated because they completely disconnect the facility AC voltage from the luminaire. The contactor disengagement is typically controlled by the climate computer or the facility's master control system.

We're here to support you in your assessment of your lighting requirements, crop cultivation practices, and infrastructure needs. If you have any questions on any matters regarding the "dim-to-off" parameters and requirements, please contact us at [support@fluence-led.com](mailto:support@fluence-led.com) to assist in your assessments.

Visit our support center for more product related information:

[www.fluence-led.com/support-center/](http://www.fluence-led.com/support-center/)