Fresco nLight Photocell Configuration

Requirements

Hardware: An Automatic Dimming Control (ADC) enabled nLight device. The product SKU typically has a "-ADC" nomenclature.

Firmware: Fresco Firmware 104.2+

Software: Fresco Studio 1.0.5.6+

Restrictions

- Each Fresco can have its own automatic dimming control limited to that specific Fresco.
- Only automatic dimming control for the nLight bus connected to a Fresco, it cannot perform automatic dimming control on another Fresco unit.
- Don't assign same photocell control zone to more than one photocell. For instance with two photocells, do not assign them both to control zone 1. One photocell for zone 1 and one photocell for zone 2.
- Currently 'Automatic Set point Configuration' is not available. The set point has to be configured manually on the Daylight Sensor input or photocell.

Configuration

Disable Automatic Dimming Control

- Follow Photocell Mode set to Disabled on an Output will not allow the output dimmer/relay to be controlled by the ADC.
  - *OR -*
- Configure the Daylight Sensor Input Control property to Unassigned.

Enable Automatic Dimming Control

- On an Output, assign the Follow Photocell Mode. Typically, 'Negative Only'.
- The current set point or foot candle reading is available within Menu->Diagnostics->Status.
- Set the Daylight Sensor Input Control property to the Zone for which ADC is to be performed.

Tips

- Configure the Dimming Rate to Faster or Fastest when setting up at a job site to test the ADC control functionality easier. Set it back to Normal or other setting for standard operation.