



## OVERVIEW

The CRC5302 Daylight Sensor senses ambient daylight within an area and automatically adjusts the 0-10V dimming load associated with it based on current LUX level readings. The device gets power and communication from the NexLight 2-Wire databus, no power packs required. After mounting and setting of initial address, all features and settings can be adjusted via IPC/SPC software.

## FEATURES

- Senses the ambient light level of an area (0.74-190 Foot-candle, 8-2048 Lux)
- Current sensing Lux level is indicated on IPC/SPC software
- Can set max and min thresholds with corresponding level of dim output via IPC/SPC software
- Can be remotely enabled/disabled via switches or timeclock on 2-Wire system

## SPECIFICATIONS

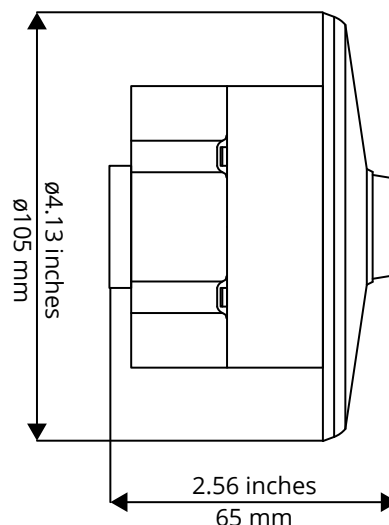
Size:	4.13" Ø x 2.56" D (Overall) (105Ø mm x 65mm)
Weight:	3.52 oz
Mounting:	Drop Ceiling Junction box with mud ring 4" Octagon or Handy Box
Input Signal:	±24VAC/VDC 15 mA
Operating Temp:	14 to 131°F (-10 to 55°C)
Programming:	Via CRC6400 IPC/SPC Setting Menu

## PROGRAMMING

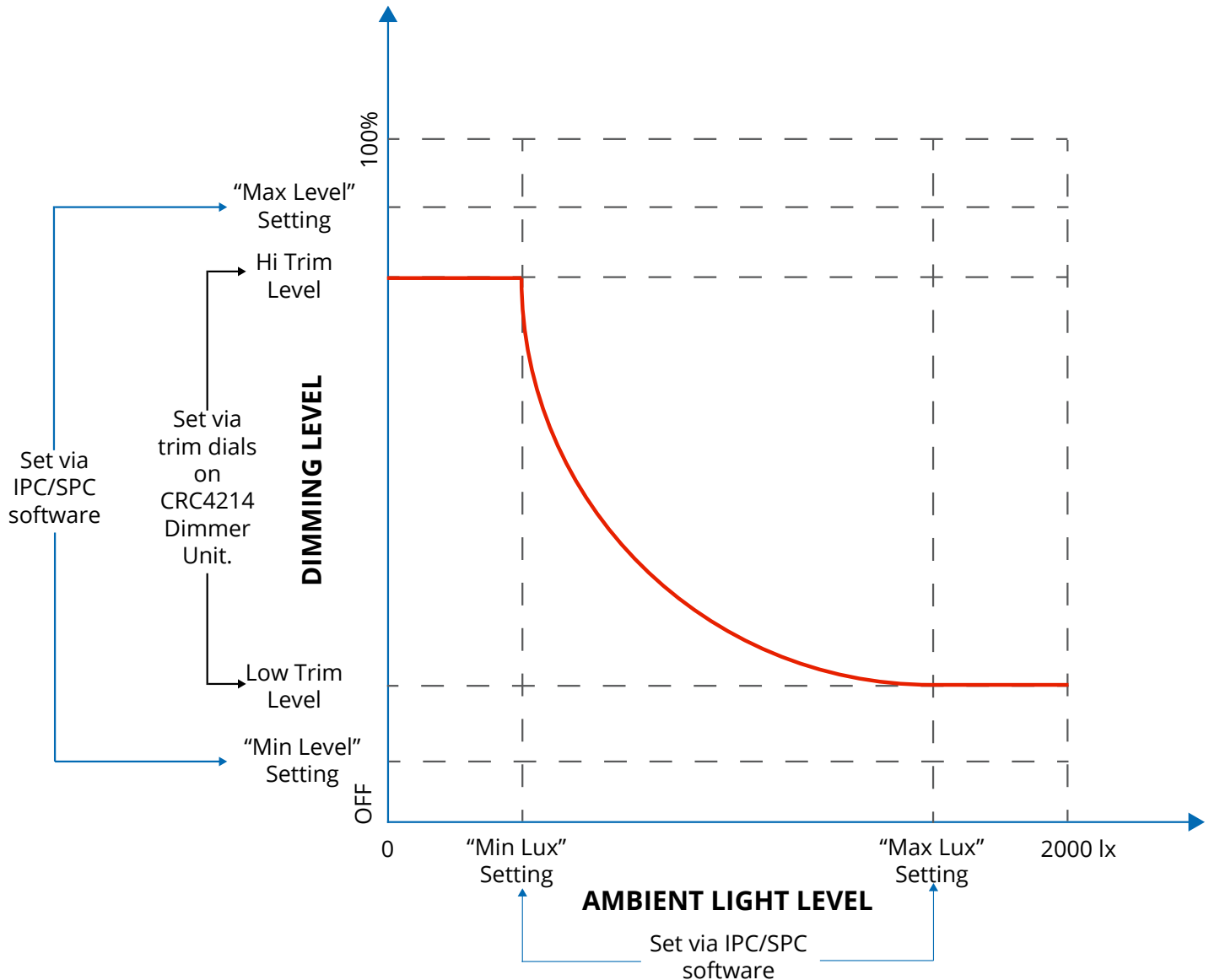
- Channel 1: Sensor Address
- Channel 2: Lux Level Channel 1
- Channel 3: Lux Level Channel 2
- Channel 4: Not used
- To enable/disable: control channel 1 address
- The addresses set in Channels 1-4 must be unique to the NexLight system the sensor is install on, no duplicates are allowed.

\*NOTE: These sensors will only operate with the CRC1201 and CRC1301 controllers. They will not work with older CRC1001 or Panasonic Transmission Units as they use the technology of the new style controllers for programming and control of the ladderless features.

## DIMENSIONS



**\*\*NOTE: SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE**

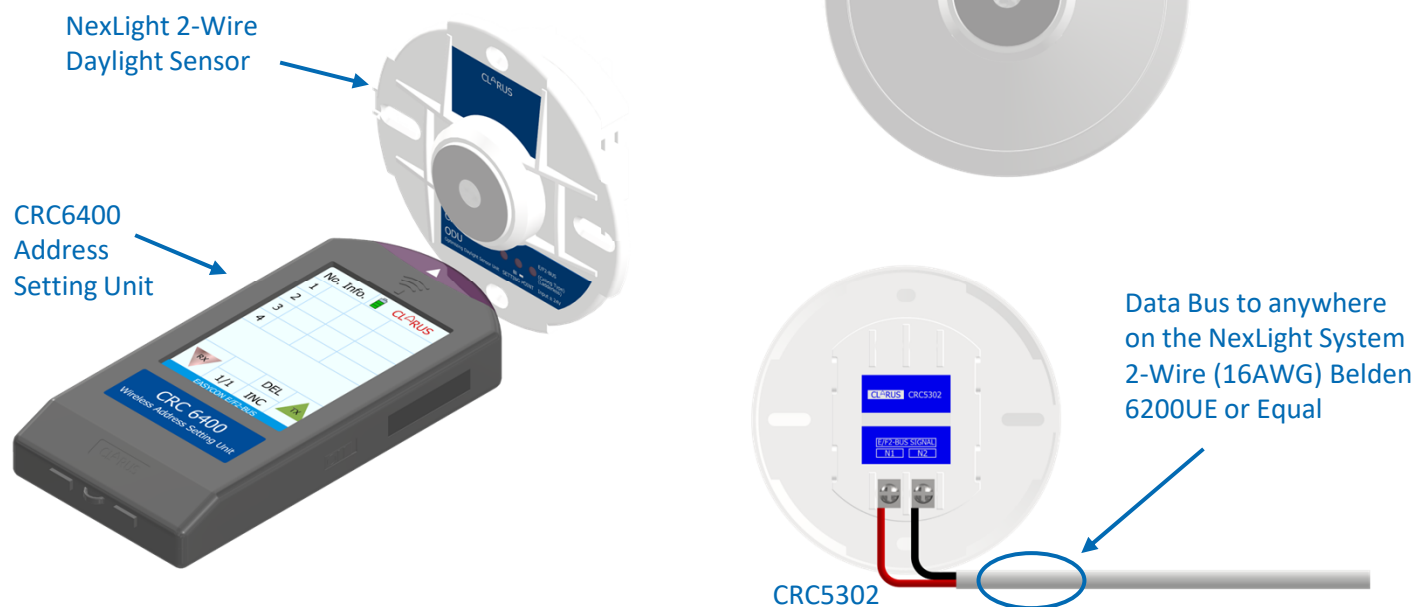


Using the Sensor Dimming Setting Menu on the IPC/SPC:

1. Associate the Sensor Address with the Min Lux and Max Lux settings you want in your control area
  - The Min Lux setting is the lux level for the control area where the user wants the highest light level output on the dimmer. This light level output is set by the Max Level setting. Note if the high trim on the DCU is set below the Max Level setting, the highest light output will be the high trim level.
  - The Max Lux setting is the lux level for the control area where the user wants the lowest light level output on the dimmer. This light level output is set by the Min Level Setting. Note if the low trim on the DCU is set above the Min Level setting, the lowest light output will be the low trim level.
2. Set the target type and address for this sensor to control. Note these can only be Individual (IND) dimmer addresses or Groups (G) of dimmer addresses.

# 2-Wire Network

## LOW VOLTAGE DAYLIGHT SENSORS



## APPLICATION OVERVIEW

The NexLight Lighting Control System features a fully addressable daylight sensor that provides the flexibility to control any addresses on the 2-Wire Data Bus. The CRC5302 Optimizing Daylight Unit (ODU) accepts addressing from the CRC6400 Address Setting Unit. Configuration of what daylight zones are controlled by the sensor is ladder-less and performed within the Graphic User Interface (GUI). This sensor can be used for multiple panel-controlled zones, so there is no need for multiple daylight sensors within a single daylight harvesting zone. No supplementary power supply is required for control power, the only connection needed is to the NexLight 2-Wire Data Bus.

## APPLICATION HIGHLIGHTS

- Use with R Series, D Series or a Custom Panel.
- Ladder-less configuration through the NexLight Graphic User Interface (GUI).

## TYPICAL DATA BUS CONNECTIONS

