

## Overview

LS5 is a photodiode light level sensor compatible with all Unified Lighting Control platforms. The 0-5VDC signal converts to both Foot-candle (FC) and LUX values to facilitate local as well as BAS daylight harvesting functions. LS5 features a compact white polymer housing and is available for atrium, indoor, outdoor, or skylight applications.

## Features

- UL and ETL Listed
- Compatible with all platforms
- Available for various applications

## General Specifications

- Construction: White polymer
- Approximate Weight: 1oz(30g)
- Operating Environment: -40-140°F (-40-60°C)

## Photodiode Specifications

- Type: Blue enhanced photodiode
- Signal: 0-5VDC linear
- Time Response: 10 second full range
- Tolerance: 12%
- Repeatability: +/-0.5%
- Linearity: 2%
- Temperature: +/-10%

## Electrical Specifications

- Power Input / Draw: 5VDC / 4.8mA
- Leads: 6"(152mm)L, 18AWG, 3-wire
- Red: 5VDC
- Black: Common
- Yellow: Signal

## Certifications

- UL Listed, UL916, US/Canada
- ETL Listed, US/Canada
- NEC Class 2
- CEC Title 24
- RoHS

## Warranty

Two (2) year limited manufacturer warranty from date of shipment (extended warranty optional)

## Atrium Sensor (LS5A) Specifications

- Dimensions: 2.19"(56mm) Protrusion when mounted x 1.31"(33mm)Dia.
- Mounting Method: Male 1/2"NPT / 1/2"Knockout
- Mounting Orientation: Sensor window horizontal
- Sensor Range: 0-1000FC

## Indoor Sensor (LS5I) Specifications

- Dimensions: 1.13"(29mm) Protrusion when mounted x 2.00"(51mm)Dia.
- Mounting Method: Ceiling with 1/2"Hole and adhesive backing
- Mounting Orientation: Sensor window down
- Sensor Range: 0-100FC

## Outdoor Sensor (LS5O) Specifications

- Dimensions: 2.19"(56mm) Protrusion when mounted x 1.31"(33mm)Dia.
- Mounting Method: Male 1/2" NPT / 1/2"Knockout
- Mounting Orientation: Sensor window horizontal with hood up
- Sensor Range: 0-250FC

## Sky Light Sensor (LS5S) Specifications

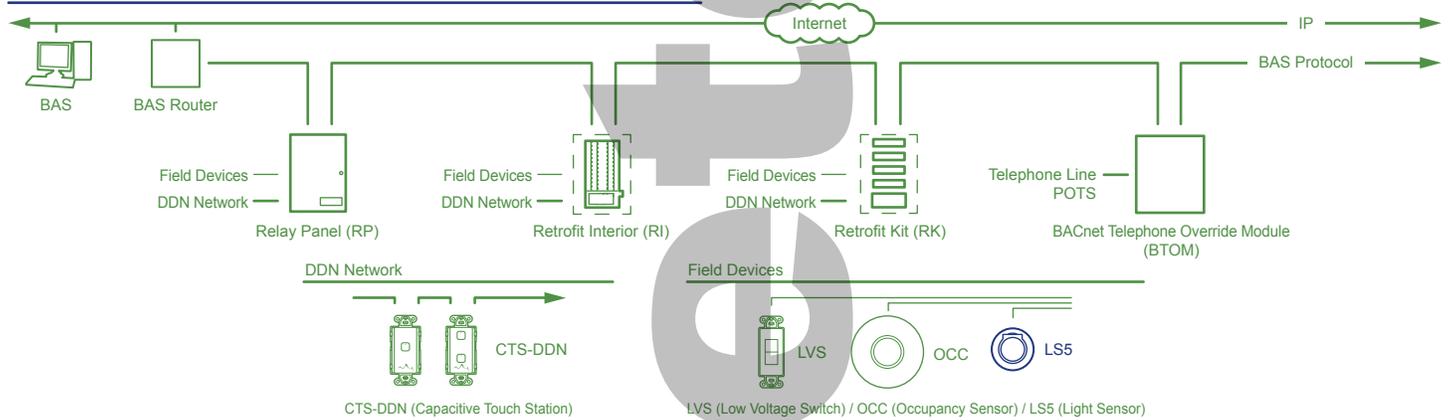
- Dimensions: 2.19"(56mm) Protrusion when mounted x 1.31"(33mm)Dia.
- Mounting Method: Male 1/2" NPT / 1/2"Knockout
- Mounting Orientation: Sensor window up
- Sensor Range: 0-2000FC

# Light Sensor

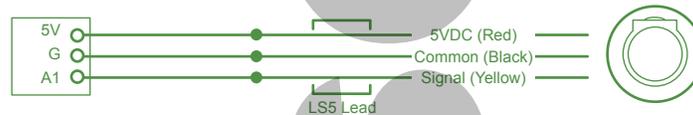
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## General Architecture



## Controller Terminations



## Ordering Information

Part Number	Description
BRLS5A	Light Level Sensor, 5VDC Linear Photodiode for Atrium Use
BRLS5I	Light Level Sensor, 5VDC Linear Photodiode for Indoor Use
BRLS5O	Light Level Sensor, 5VDC Linear Photodiode for Outdoor Use
BRLS5S	Light Level Sensor, 5VDC Linear Photodiode for Sky Light Use