simplblue™

Project	
Notes	
Type	Date
Cat. No.	

SPIR-OSDL/BTEZ-DC-102 SimplBlue, Wireless Bluetooth PIR Occ Sensor w/ Daylight Harvesting

DESCRIPTION

The SPIR-OSDL/BTEZ-DC-102 combines occupancy sensing, daylight harvesting, 0-10V dimming and Bluetooth® mesh radio circuits into a small package that fits into various luminaires. When used with 0-10V dim-to-off LED drivers, it enables any user to deliver wirelessly-controllable and sensor-equipped fixtures with minimal engineering effort. Schedule can be programmed via SimplBlue app for IOS and Android. Admin or guest access can be shared to others by QR code.

PIR Occupancy Sensor: Support setting delay time and dimming level for a group of sensors through the app, support unique sensor linkage reaction. Daylight harvesting / Photocell Threshold: Ambient daylight sensor allows for continuous dimming with natural light, wireless calibration available.

APPLICATIONS

Indoor: Open offices, Individual offices, Conference rooms, Classrooms, Retail stores, Hospitals, Lobbies.

SPIR-OSDL/BTEZ-DC-102

PIR Occ Sensor with Daylight Harvesting

Performance Summary

Input	DC12V 40mA
Output	0-10V 10mA
Dimming	0-10V
Detection Range	48-80ft
Mounting Height	15ft
IP Rate	IP20
Operating Temp.	-30°F~131°F (-30°C~55°C)
Certification	UL
Warranty	5-year Warranty
Fixture Die Cut	22.2-23.2mm or 1/2” trade size diameter hole
Wireless Range*	100ft

*Bluetooth Range is highly dependent on the integration of fixtures, surrounding environment and conditions. It is recommended to conduct testing for range accuracy.

Ordering Information

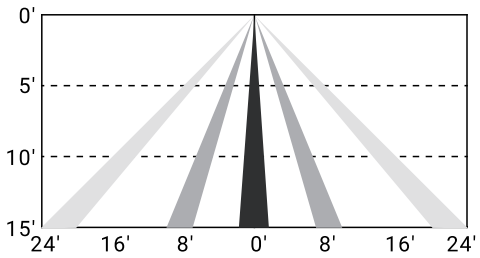
Example: SPIR-OSDL/BTEZ-DC-102

SPIR	OSDL/BTEZ	DC	102
Series	**Controls**	**Input Power**	**102**
SPIR PIR Sensor	**OSDL/BTEZ** Wireless Bluetooth Occ Sensor with Daylight Harvesting	**DC** Direct Current	**Designator** 102

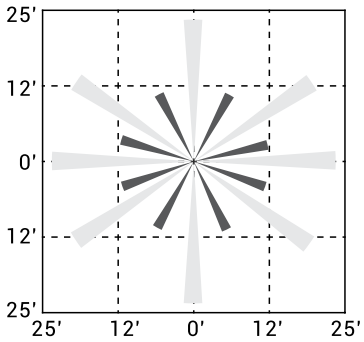
Specifications and Dimensions subject to change without notice.

Detection Area

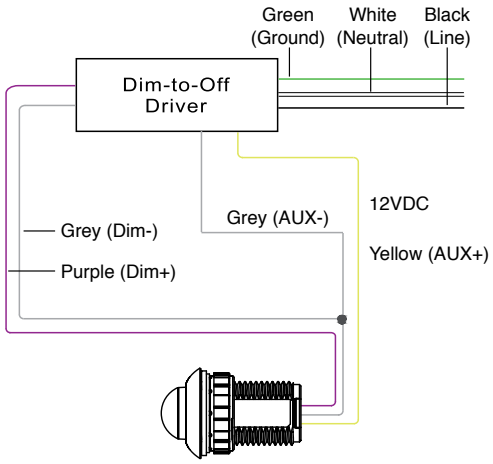
Coverage Side View



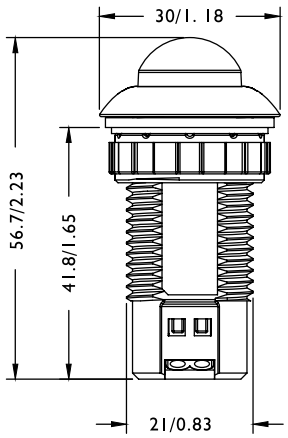
Coverage Top View

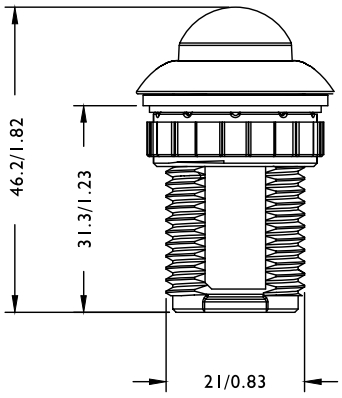


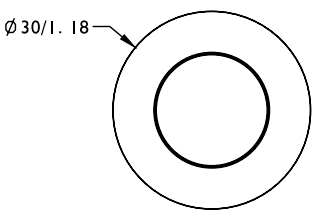
Wiring **Diagram**



Dimensions







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Learn More

A Simple and Cost-Effective Localized Networked Lighting Control System Using Bluetooth Mesh.

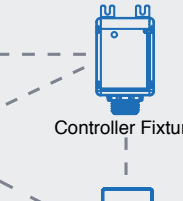
SimplBlue Wireless Bluetooth Controls

SimplBlue Lighting Controls offers a complete gateway-free wireless system to control lights in a wide variety of applications. The system includes wireless fixture controllers, switches, and occupancy/daylight harvesting sensors all using Bluetooth® wireless technology. In addition to the system devices we also offer a fixture mounted controller and sensor with Bluetooth® technology providing wireless communication and occupancy/daylight harvesting control in one device. Each device has its own address for sending, receiving and sharing control commands through a wireless network. Expandability is easy with each device passing information to the next thus expanding the reach and control throughout the network.

Download the Commissioning App

Download on the App Store

ANDROID APP ON Google play



Download the SimplBlue Commissioning App Instructions

SimplBlue Lighting Controls Commissioning & Control App

- For iOS or Android smartphone
- Commissioning: Switch on-off, Dimming,
- Colour tuning/ Circadian Rhythms (Must work with corresponding drivers and led fixtures)
- Flexible zoning/ Scenarios setting/ Scheduling
- Wireless wall switch linkage setting
- Occupancy sensor setting, Daylight harvesting, Photocell control
- Admin control authority sharing with QR code

System Functionality

- Networking of luminaires
- Individual Addressability
- Occupancy sensing
- Daylight Harvesting/Photocell Control
- High-end Trimming
- Flexible Zoning
- Continuous Dimming

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aleo™ LED LIGHTING