



GO-LED KIT

Client: _____
Project Name: _____

Order #: _____
Type: _____ Qty: _____

2x2 & 2x4 Troffer and Parabolic LED Retrofit Kit

Performance Data

CRI
85

CCT
4000K

Projected Lifetime

218,000 Hours (L70);
131,000 Hours (L80);
54,000 Hours (L90)

Dimming

0-10V Dimming Standard,
10% to 100%

Operating Temperature

-20°C to +50°C Ambient

ETL Listed

Approved for dry & damp
locations



ZB ZigBee	ETL Listed	DLC Listed	DLC Premium	10 Yr Warranty Including Labor	USA Buy American Act Compliant
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Description

Deco Lighting's revolutionary and highly efficient Game Over LED Retrofit Kits feature easy installation and offer several cost-saving solutions for upgrading fluorescent troffers or parabolics to LED technology. Featuring architectural styling, these kits are compatible with both standard and narrow t-grids and provide a simple retrofit solution that will enhance the aesthetics of any building without the need to disturb the ceiling plenum. Ideal for commercial applications such as offices, classrooms, healthcare facilities, and retail spaces. All of Deco's Game Over Retrofit Kits come standard dimmable and offer the most advanced LED technology on the market with efficacies of up to 130 lumens per watt. The G-O Kits are manufactured with quality components and finishes, resulting in consistent and balanced lighting when mixing configurations in the same space. A main diffuser and slanted troffer reduce the G-O Kits' glare to produce a pleasant environment with uniform light distribution. With their visual appeal and ease of installation, Deco's family of G-O Retrofit Kits will transform and revamp any space in minutes.

Features

- Available with Lutron control options, see Page 2 for ordering codes and information.
- High reflectance optical engine delivers main beam focus through the optically designed acrylic lens.
- Linear ribbed acrylic lens overlay balances efficiency & aesthetics.
- Reflector distributes light through both optical elements.
- Linear arrayed LED modules provide soft, but effective illumination.
- Ideal for recessed commercial applications such as offices, hospitals, and schools.
- DLC Premium Listed in Select Models (see Page 2)



Ordering Information

A FIXTURE SERIES

GO-LED Game Over Kit

B SIZE

22 2 x 2
24 2 x 4

C WATTAGE/LUMENS (SIZE 22)

18 18W/2250^{1,3}
25 25W/3050^{1,2}
35 35W/3900^{1,2}

(SIZE 24)

25 25W/3350^{1,3}
35 35W/4250^{1,3}
45 45W/5460^{1,2}

D CCT

40 4000K

E VOLTAGE

UNV 120-277V

F LENS

N Architectural Narrow

G FIXTURE TYPE

K Retrofit Kit

H OPTIONS

EM	Emergency
ES	EasySense Sensor ⁴
AR	Air Return/Supply Slots ⁵
VW0	Lutron Vive System Enabled Fixture (External RF only) Standard 0-10V X% Driver (also available with FCJS-ECO module for ES1, ES5 options) ⁶
VWS0	Lutron Vive System Enabled Fixture (External RF w/Occ & Daylight Sensor) Standard 0-10V X% Driver (also available with FCJS-ECO module for ES1, ES5 options)
ES1	Lutron LDE1 Series EcoSystem 1% Dimming with Soft On Fade to Black
ES5	Lutron LDE5 Series EcoSystem 5% Dimming

¹ Delivered Lumens (4000K)

² DLC Standard Listed - See DLC matrix on Page 2

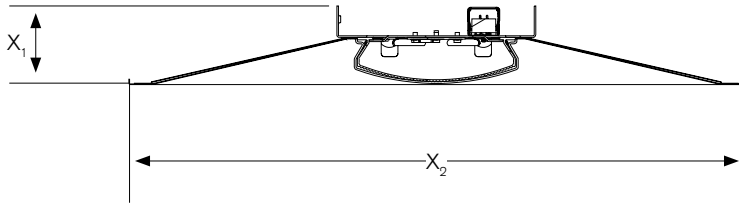
³ DLC Premium Listed - See DLC matrix on Page 2

⁴ See Page 3 for additional information on EasySense Sensor

⁵ See Page 3 for example illustration of Air Return/Supply slots

⁶ VW0 option shipped separately from fixture

Dimensions



	Inches	
	Size: 2 x 2	Size: 2 x 4
X₁	3.15	3.15
X₂	23.90	23.9
X₃	23.90	47.8

Lutron Options

- VW0** Lutron Vive System Enabled Fixture(External RF only) Standard 0-10V X% Driver
- VWS0** Lutron Vive Wireless Fixture (External RF w/Occ & Daylight Sensor) Standard DALI X% Driver
- ES1** EcoSystem digital control, Hi-lume 1% EcoSystem LED driver with Soft-on, Fade-to- Black. Ideal for conference rooms, restaurants, lobbies, ballrooms, and lecture halls. Benefits include: All benefits of the ES5 series plus beautiful, smooth flicker-free dimming down to 1% and a Soft-on, Fade-to- Black™ feature, which provides an incandescent-like experience when transitioning from off to 1% and vice versa.
- ES5** ES5 - EcoSystem digital control, 5-Series EcoSystem LED driver. Flicker-free dimming from 100% to 5%.

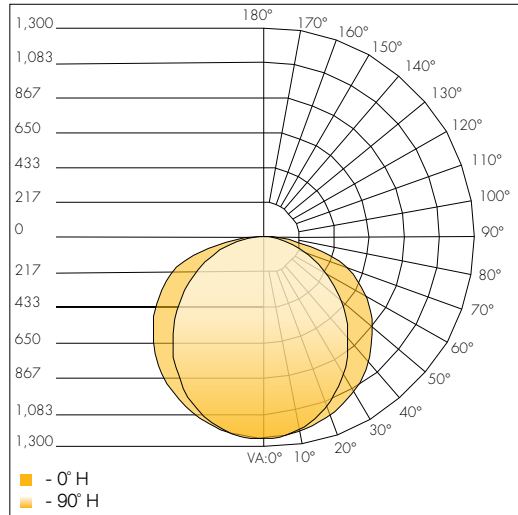
Lutron Vive Lighting Control System (applies to VW0 and VWS0 options)

Lutron Vive is a revolutionary wireless lighting control solution for new and existing commercial buildings, combining a variety of lighting control strategies with controls and sensors to maximize efficiency and system flexibility. A Lutron Vive lighting control solution can reduce energy consumption by 60% or more by employing the following strategies:

- Occupancy/vacancy sensing turns lights on when occupants are in a space and off when they vacate the space.
- Daylight harvesting dims electric lights when daylight is available to light the space.
- Scheduling provides pre-programmed changes in light levels based on time of day.
- Demand response automatically reduces lighting loads during peak electricity usage times.
- Plug load control automatically turns off loads after occupants leave a space.
- Personal dimming control gives occupants the ability to adjust the light level.
- HVAC integration controls heating,ventilation, and air conditioning systems through contact closure, or BACnet protocol.
- System Optimization Service from Lutron identifies important lighting control adjustments to save additional energy and create a more productive work environment on an ongoing basis.
- High-end trim sets the maximum light level based on customer requirements in each space.

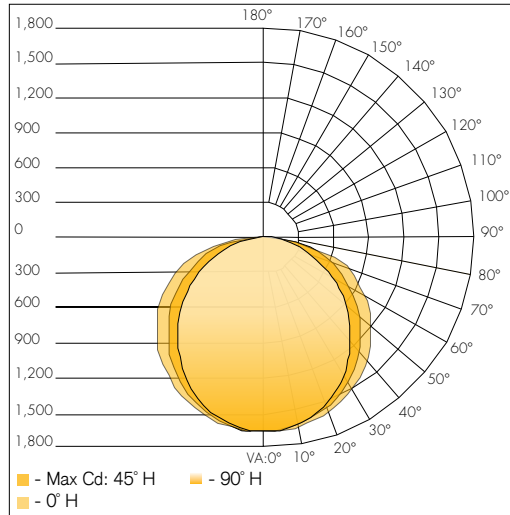
Photometrics

Polar Graph - 2 x 2 35W 4000K



Delivered Lumens: 3786
CRI: 85

Polar Graph - 2 x 4 45W 4000K



Delivered Lumens: 5462
CRI: 85

DLC Listing

	2 X 2			2 X 4		
	18W	25W	35W	25W	35W	45W
4000K	X ^P	X	X	X ^P	X ^P	X

^PDLC Premium Listed Model

EasySense Sensor

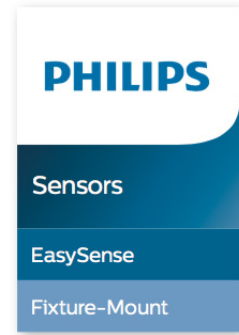
The Philips EasySense fixture-mount sensor is the ideal solution for per-fixture, stand-alone control of new light fixtures. It combines occupancy sensing, daylight harvesting and task tuning in a single, compact package for easy OEM fixture assembly. EasySense operates with the established Xitanium SR driver standard to make a simple two-wire connection between sensor and driver, thus eliminating the need for multiple components and auxiliary devices. The result is a cost effective and easy-to-design-in solution ideal for energy-savings and code-compliance strategies. An intuitive app makes configuration during installation fast and easy using SimpleSet.

Features

- Occupancy sensing, daylight harvesting and task tuning in one device
- Compact size
- Operates in conjunction with Philips Xitanium SR drivers
- Preset with most common parameters to work right out-of-the-box with no commissioning
- Configuration – if desired – using SimpleSet (NFC) via intuitive smartphone-based app

Benefits

- Combines functionality to reduce need for multiple components
- Fits into existing and new-design fixtures
 - Easy field configuration of control parameter • Quick institutional tuning in the field to optimize light and power levels
 - Compatible with Philips Xitanium SR drivers • Cost-effective solution for energy-savings and code-compliance strategies
 - 5-year limited system warranty with Philips Advance Xitanium LED drivers



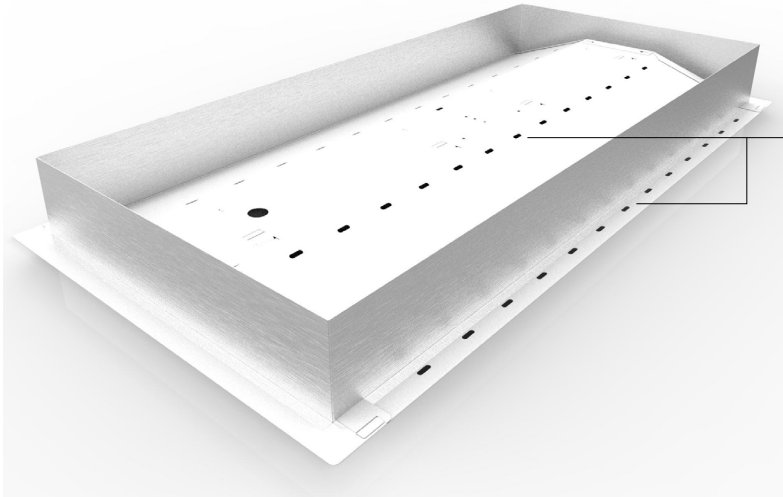
Applications

- Conference rooms • Individual offices
- Open offices
- Classrooms
- Storage and break areas
- Restrooms
- Lobbies

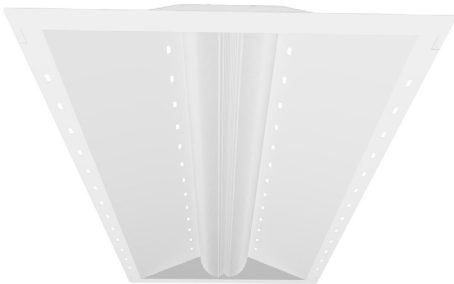
View Full Sensor Spec Sheet Below:

http://www.getdeco.com/wp-content/themes/deco-digital/pdf/EasySense_Sensor.pdf

Air Supply/Return



Air Supply/Return slots in Housing



Enlighted Micro Sensor

Overview

The Micro Sensor is a complete sensing and lighting control node powered from its attached light fixture. An innovative carrier-based mounting design supports easy installation and replacement. With integrated wireless communications for data transmission and remote configuration as well as autonomous fixture-level control, this sensor brings advanced lighting automation to a whole new level.

The Enlighted Micro Sensor				The Enlighted Fixture Carrier			
Body	L	0.88"	22.5mm	Body	L	0.51"	13 mm
	Dia	0.73"	18.5 mm		Dia	0.81"	20.7 mm
Bezel	Dia.	1.06"	27.0 mm	---	---	---	---

Features and Benefits

Bluetooth Low Energy:

An embedded BLE radio allows the sensor to receive and transmit beacons as well as support communication with lighting control devices and other sensors.

Enlighted Sensor Interface (ESI):

IoT Ready™ LED drivers and Enlighted Control Units communicate with the sensor directly via a serial interface. The ESI provides access to device information, energy consumption, and digital lighting control.

Localized Lighting Control:

Light-level schedules, preferences, and behavior profiles for each fixture are wirelessly communicated during system setup and locally stored to ensure continuous operation.

Driver Compatibility:

Dimming and on/off control signaling for standard 0-10V ballasts and drivers in LED and fluorescent light fixtures.

Standards-Based Networking and Security:

The Enlighted 802.15.4 wireless network with AES-128 encryption delivers secure, reliable communication that coexists with Wi-Fi networks by sensing low-traffic channels and transmitting in bursts.

Mounting

The Enlighted Micro Sensor is designed to be easily mounted into lighting fixtures or ceiling tiles such that only the discreet white faceplate is visible. The sensor slides into a carrier sleeve fitting a standard 1/2 inch trade size knockout or 7/8 inch (22 mm) hole. Carrier sleeves compatible with either lighting fixtures or ceiling tiles are available. Sensor replacement requires no tools—simply slide the sensor out of the carrier, unplug the connector, and install the new sensor.



Occupancy and Thermal Sensing:

A digital Passive Infrared (PIR) sensor combined with separate ambient and temperature sensing support precise motion identification while minimizing false detection events.

IoT Sensing Node:

When configured as an IoT Node, the sensor streams comprehensive live data for use with Enlighted's real-time location and analytics software applications. This option is available directly from the factory or as a remote upgrade.

Daylight Harvesting:

Captured ambient light information is locally processed to raise and lower light levels based on available daylight.

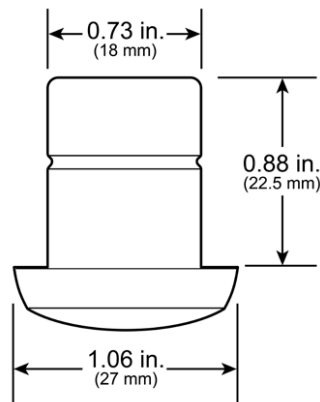
Edge Sensing:

Local processing capability supports advanced sensing and detection algorithms, providing optimization of existing features and enabling future applications.

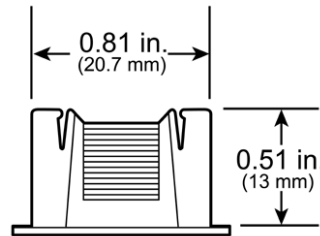
Room and Zone Control:

Pairs with room control switches for code-compliant manual-on or auto-off capability. Sensors can be grouped into zones that share occupancy sensing data and coordinate light control based on detected motion.

Micro Sensor



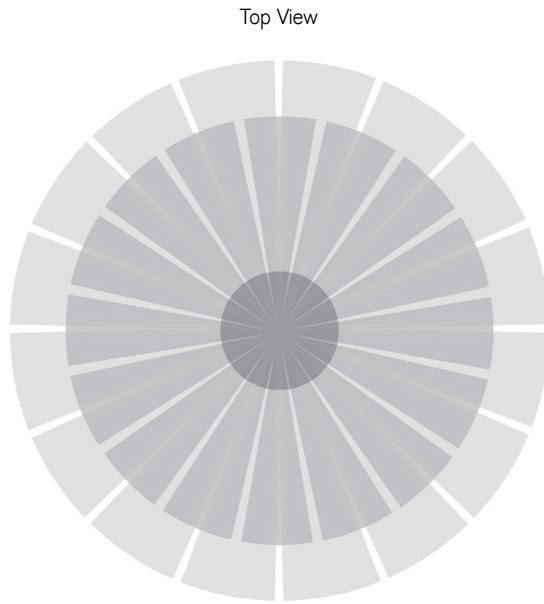
Carrier



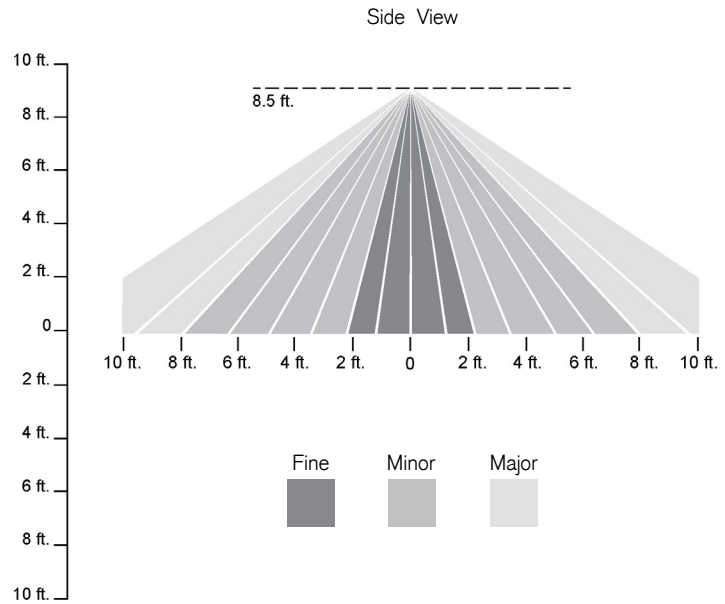
Sensor Coverage Patterns

The Enlighted Micro Sensor incorporates an optical Fresnel lens that works with the digital Passive Infrared (PIR) sensor to detect occupancy and motion. The multifaceted lens focuses light onto the PIR to produce an all-encompassing field of view through aggregation of many narrow fields of view. When the Micro Sensor is deployed as recommended, the area covered by each sensor overlaps, reinforcing coverage and accuracy across the entire floor plan.

Ceiling Height	Fine Motion (Radius)	Minor Motion (Radius)	Major Motion (Radius)
8.5 ft/2.6 m	2.3 ft/0.7 m	8 ft/2.4 m	10 ft/3.0 m
15 ft/4.6 m	4.0 ft/1.2 m	10 ft/3.0 m	18 ft/5.5 m



Top View



Side View

Technical Specifications

Motion Sensing:	Digital Passive IR
Photosensor:	Light Pipe/Photosensor Array
Enclosure:	ABS/Polycarbonate blend
Type:	Closed Loop Light Sensor
Operating Temp:	32° to 122° F / 0° to 50° C
Radio Frequency:	2400–2483.5 MHz
Wireless Protocol:	IEEE 802.15.4
Wireless Range:	150 ft. (46 m) radius open range
Encryption:	AES-128
Bluetooth 4.0 Low Energy (BLE)	
Operating Frequency:	2400–2483.5 MHz
IEEE Standard:	802.15.1

Ordering Information

SU-5E-IoT	IoT Sensor
SU-5E-CL	Connected Lighting Sensor
SU-CL-IoT-UPG	Connected Lighting to IoT Sensor Upgrade
TMC-SU-5E	Tile Mount Carrier
CPL-RJ45	Female RJ45 Coupler
CBL-5E-CU4-30N	30 inch Sensor Cable for CU-4 and IoT Ready™ drivers
CBL-5E-CU4-7F	7 foot Sensor Cable for CU-4 and IoT Ready™ drivers

Compliance

Europe	CE RoHS REACH
United States	FC
Canada	

Warranty: 5 years

View www.enlightedinc.com/limited-warranty-terms for complete terms and conditions

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Compatible Drivers

Brand	EASEIC	LEVITON
Models	EID110U	AWSMT716