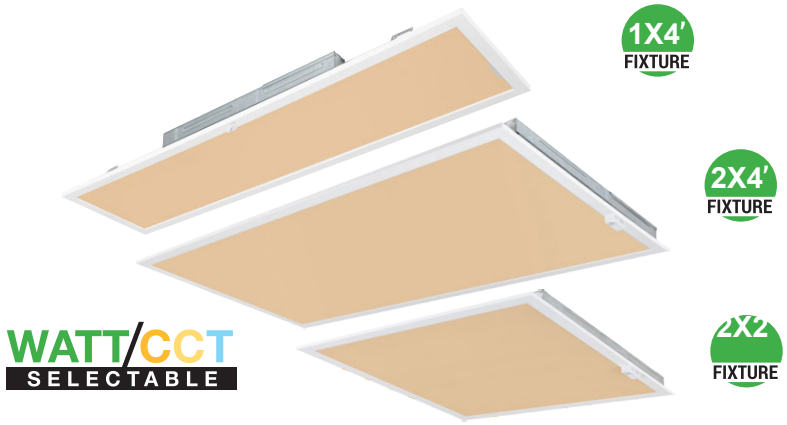
Sensor Based Back-lit LED panel light

WSD LED INC
Green Lighting Resources

Wattages: 20W,25W,30W,35W,40W,46W



The Sensor Based Back-lit LED panel Lighting Series can be widely used for Indoor Excellent for Offices, Hallways, Multipurpose Rooms , Office Buildings, Conference Rooms,super market, store and many other applications.

Lighting controls meet design lights consortium (DLC) networked lighting control system technical requirements, LLLC, Energy Monitoring and High End Trim function.

UL CERTIFIED · POWER Selectable · CCT Selectable · DLC LISTED PREMIUM · FIVE YEAR 5 YEAR LIMITED WARRANTY

Features

- Energy efficient: save up to 80% in energy costs
- High lumen output
- Mercury-free
- Instant-on light
- 50,000 hours at 70% lumen maintenance rated life
- 5 years manufacturer warranty
- Compatible with most Lutron and Leviton dimmers
- **12Vdc auxiliary dimming**
- **The 0-10V Dimming type is continuous**

Packaging information

❖**14LPZ202530W27-3545K-G2**
1271MMX224MMX358MM (4 Pcs/CTN)
(50.0" X8.8" X14.09")

❖**22LPZ202530W27-3545K-G2**
664MMX224MMX658MM (4 Pcs/CTN)
(26.1" X8.8" X25.9")

❖**24LPZ354046W27-3545K-G2**
1271MMX224MMX658MM (4 Pcs/CTN)
(50.0" X8.8" X25.9")

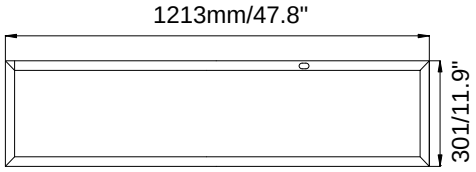
SPECIFICATION			
TYPE	14LPZ202530W27-3545K-G2	22LPZ202530W27-3545K-G2	24LPZ354046W27-3545K-G2
WATTAGE	20W/25W/30W	20W/25W/30W	35W/40W/46W
LUMEN	2760 lm/3250 lm/3910lm	2660 lm/3350 lm/3810lm	4650 lm/5200 lm/5942lm
EFFICACY	> 130 lm/W		
CCT	3500K,4000K,5000K		
CRI	> 80		
INPUT VOLTAGE	AC120-277V		
LED TYPE	SMD2835		
FACTORY SETTINGS	30W & 4000K		46W & 4000K
WARRANTY	5 year limited		
LIGHTING ANGLE	113		
PF	> 0.98		
DRIVER EFFICIENCY	> 90%		
PROTECTION LEVEL	Damp		
LIFE TIME	> 50000 hours		
OPERATING TEMPERATURE	-20°C~50°C(-4°F~122°F)		
IC RATING	Type IC		

Sensor Based Back-lit LED panel light

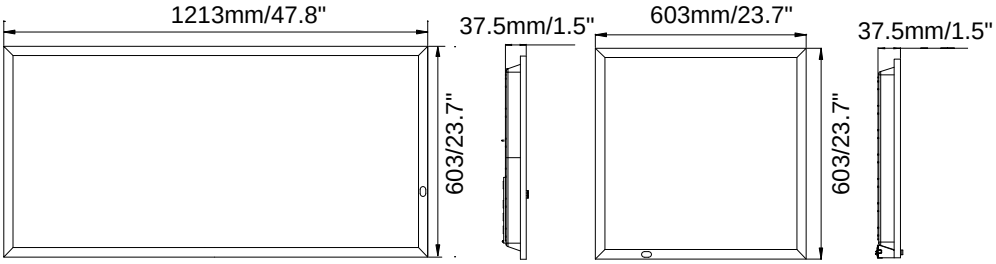
WSD LED INC
Green Lighting Resources

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DIMENSION



1X4 feet



2X4 feet

2X2 feet

Specifications

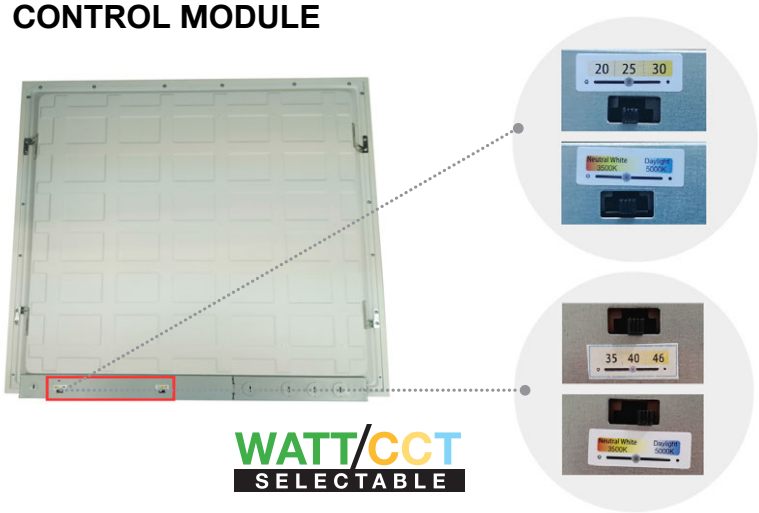
LPZ -14
Length:1213MM(47.8")
Width: 301MM (11.9")
Depth:37.5MM (1.5")
Weight:4.43(lbs)

LPZ -22/24
Length:603MM/1213MM (23.7"/47.8")
Width: 603MM (23.7")
Depth:37.5MM (1.5")
Weight:5.78/9.22(lbs)

Mounting

❖ Surface Mounting.
Recessed lighting fixture

CONTROL MODULE



Enlarge your space

Low profile, optimized packaging allows more container loading.



Each product is packed in PE bags



4 EPE corner protector(6 for 2x4)

Multiple sensor solutions ready

• Quick and easy in-field installation of sensors.



• Integrated occupancy and daylight controls.



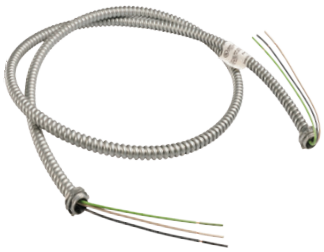
The sensor receptacle is pre-embedded in the profile frame.

Sensor Based Back-lit LED panel light

WSD LED INC
Green Lighting Resources

Wattages: 20W,25W,30W,35W,40W,46W

ACCESSORIES (ACCESSORIES NEED TO PURCHASED SEPARATELY)



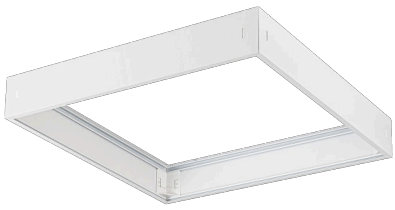
6FTPRWG-3/8-3PIN
6FTPRWG-3/8-5PIN
6FTPRWG-3/8-6PIN
6FT 3/8 inch Metal Flexible Conduit



Cable Suspended Mounting for 1x4 Panel Light



Cable Suspended Mounting for 2x2 / 2X4 Panel Light



WSD-PANEL2X2-KIT-G2
2X2 feet SURFACE MOUNT KIT



WSD-PANEL2X4-KIT-G2
2X4 feet SURFACE MOUNT KIT



WSD-PANEL1X4-KIT-G2
1X4 feet SURFACE MOUNT KIT

CONTROL (SOLD SEPARATELY)



NLC-BT-PIR-SR-001
PIR Bluetooth Microwave Sensor For Silvair Systems
(Silvair Bluetooth)



NLC-BT-PIR-GE-001
PIR Bluetooth Microwave Sensor For GEBC Systems
(GEBC Bluetooth)



NLC-PIR-SQ-001
Bi-Level PIR Infrared Sensor



RC100(NL C-PIR-SQ-0 0 1 use)
Remote Controller

EMERGENCY BACK-UP (SOLD SEPARATELY)



WSD-170YT08W-AC
8W Emergency Backup Battery LED Driver

Sensor Based Back-lit LED panel light

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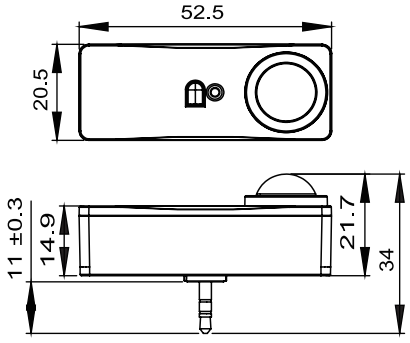
NLC-BT-PIR-SR-001
Plug and Play Network BLE Nodes and Sensor

The NLC-BT-PIR-SR-001 uses PIR motion detectorarchitecture and passive infrared (PIR) technology for improved detection coverage for high bay applications.

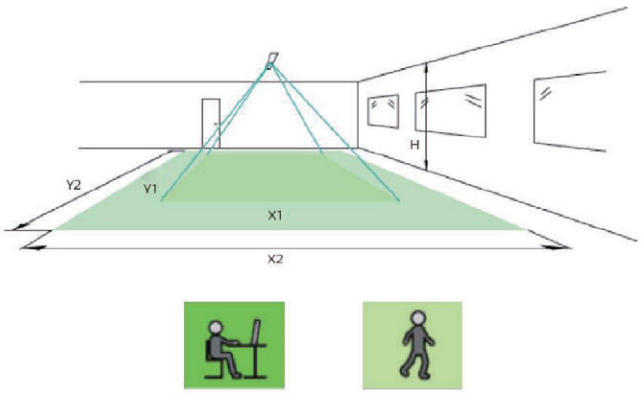
FEATURES

- Bluetooth to O-1OV signal converter, Bluetooth mesh network.
- Built-in 20mA O-1OV signal output.
- Mesh network, which has a much longer control distance, transmits received signals to neighboring devices.
- All devices on O-1OV line are broadcastcontrolled by mobile application
- In typical outdoor environment, the typical range for wireless communication is 60m.
- Actual range is dependent on field installation.
- Available with Magnetic reset (Touch the top part of sensorfor 5 seconds).
- On-board antenna.

DIMENSION



COVERAGE



Height	Minor Movement		Major Movement	
H	Y1	X1	Y2	X2
8'/2.4m	10'/2.9m	9'/2.7m	15'/4.5m	9'/2.9m
10'/3m	12'/3.6m	11'/3.4m	18'/5.4m	12'/3.6m

Note: Longer dimension of detection area (Y1, Y2) is parallel to longer dimension.

SPECIFICATION	
NETWORK BLE MESH	Yes
DAYLIGHT HARVESTING	Yes
MICROWAVE MOTION SENSOR	Yes
MOTION SENSOR	Passive infrared sensor
OPERATING VOLTAGE	10-14V DC
OPERATING CURRENT	>50mA
SINKING CURRENT	max. 25mA
CONTROL OUTPUT	0-10V
RADIO FREQUENCY	2.4GHz ± 75MHz
DETECTION ANGLE	360 °
PRORGRAMMING	Silvair iOS App (IOS or Android)
CYBERSECURITY	UL
MOUNTING HEIGHT	12ft Max.
MAX BLUETOOTH RANGE	200ft
SAFETY	cULus Listed
FCC	FCC
OPERATING TEMP.	-20°C - +60°C
IP RATING	IP20
WARRANTY	5 year limited

COMMISSIONING

Silvair iOS App or Android makes it easy to pair devices, create groups, set scenes/schedules, customize dimming levels, and adjust high trim based on application needs.

Please scan and download the app:

Silvair App

iOS

Operation Instruction:
https://youtu.be/8KWPK7z_Tng

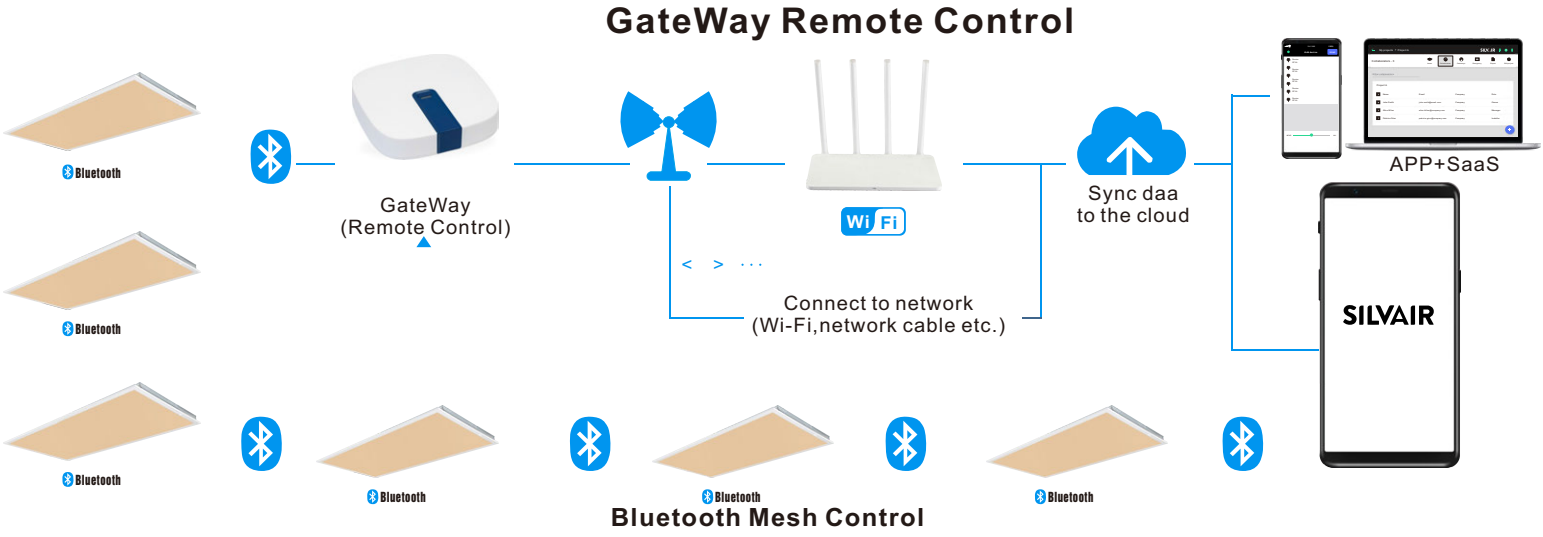
Android:

When using silvair, you can search for silvair in Android Google play to download and install it

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Functions:

The Silvair Gateway enables the following functions in the Silvair web app: ● Scheduling (available by default)

- ○Scheduling changes in scenes and lighting control scenarios (for example occupancy sensing,daylight harvesting) for specific times or days.

● Energy and occupancy monitoring (additional paid service)

- ○Visualizing energy use and occupancy via the Silvair web app.
- ○Downloading energy and occupancy via the Silvair web app and cloud-based API.

● Remote monitoring and control (additional paid service)

- ○ Low-latency monitoring of the status of devices in the network via API.
- ○ Low-latency control of devices in the network via API. ● System diagnostics
- ○ Monitoring of the status of Bluetooth mesh networks.
- ○ Remote troubleshooting of networking issues.

Features:

- ●Future-proof Linux operating system.
- ●Simple commissioning using the Silvair Commissioning tools.
- ●Automatic connection to the Silvair cloud.
- ●Secure provisioning with secure IDs and encrypted keys.
- ●High level of hardware and software security (secure boot and encrypted file system can only be accessed with the management platform).
- ●Automatic security updates.
- ●Prompt releases of OS updates and fixes to vulnerabilities.
- ●Low-latency transfer of network, luminaire, and sensor status data to the Silvair cloud.
- ●Schedule caching.
- ●Automatic remote firmware updates.
- ●Display of gateway and network performance metrics (requires the Silvair web app).

INDUSTRIAL GATEWAY

SGW-101
Smart Engineering Gateway

The Silvair Gateway connects Bluetooth mesh networks that have been commissioned using the Silvair Commissioning tools to the Silvair cloud. This allows the scheduling of events and delivery of services based on the data generated by these networks.

SPECIFICATION	
POWER SUPPLY	4.5–5.5 V DC, 2 A Power over Ethernet 36–57 V DC (IEEE 802.3af)
OPERATING SYSTEM	Ubuntu Core
PROCESSOR	i.MX6ULL (Y2), 32-bit ARM 800 MHz
MEMORY	512 MB DDR3L SDRAM 8GB eMMC
COMMUNICATION PROTOCOLS	Bluetooth mesh (2.4 GHz Bluetooth Low Energy) Wi-Fi 802.11a/b/g/n/ac (2.4/5 GHz) 4G LTE Cat 1 with 2G/3G (only for Cascade-500-W and Cascade-500-X gateways)
PORTS	1 x RJ45 10/100 Ethernet 1 x USB 2.0 Type-A 2 x external dipole antenna, 5 dBi (only for Cascade-500-W and Cascade-500-X gateways)
REQUIRED AMBIENT TEMPERATURE	0°C to 60°C 32°F to 140°F
ENCLOSURE DIMENSIONS	127 mm x 127 mm x 30 mm (5 inch x 5 inch x 1.2 inch)
MOUNTING POSITION	Wall or surface mounted. As close to the geometrical center of the lighting network as possible, but as far as possible from potential sources of interference.
SECURITY	Secure boot with encrypted operating system Secure communication with the Silvair Cloud over Internet (TLS) Secure communication with devices over qualified Bluetooth mesh

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ORDERING INFORMATION

EXAMPLE:

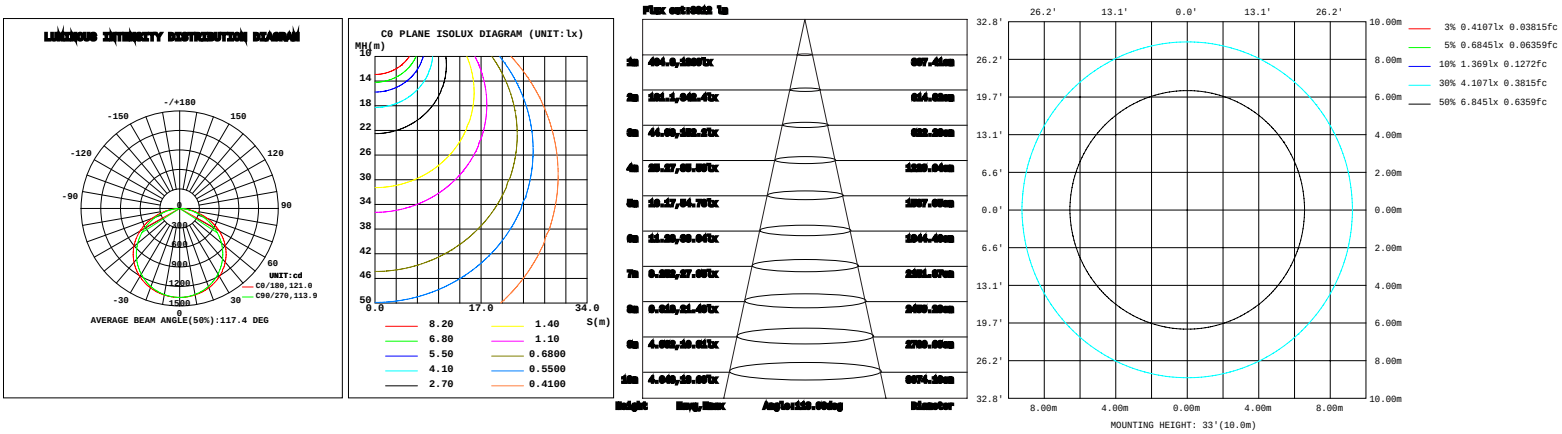
14LPZ202530W27-3545K-E[Blank,BLE,EC,M,ECM]-G2

14	LPZ	202530	27	3545K	E	G2
SIZE	PRODUCT	POWER	VOLTAGE	CCT	CONTROL	UPDATE
14 - (1X4feet) **22** - (2X2feet) **24** - (2X4feet)	**LPZ** LED Panel Lights	**202530/354046** 20W/25W/30W 35W/40W/46W	**27** AC120-277V	**3545** 3500K/4000K /5000K	**BLE**(Bluetooth) **EC**(Emergency) **M**(Motion Sensor) **ECM**(Emergency+ Motion Sensor)	Second generation product

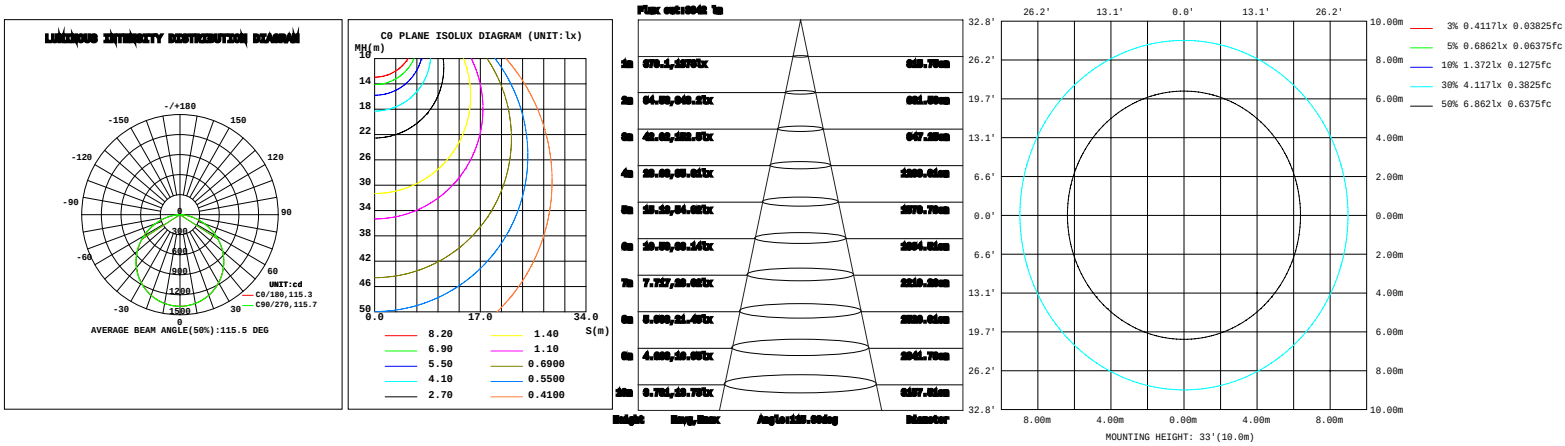
PHOTOMETRICS

For complete IES files, please visit our website.

14LPZ202530W27-3545K-G2 (30W&4000K)



22LPZ202530W27-3545K-G2(30W&4000K)



Sensor Based Back-lit LED panel light

WSD LED INC
Green Lighting Resources

Wattages: 20W,25W,30W,35W,40W,46W

PHOTOMETRICS

For complete IES files, please visit our website.

24LPZ354046W27-3545K-G2(46W&4000K)

