



Surface Mount Wrap

SMWN-LED Performance



The SMW4N-LED Performance is a surface-mounted LED wraparound fixture designed for reliable shadow-free illumination and fast, contractor-friendly installation. Its innovative hinged dual-compartment design provides easy access for wiring, simplifying wire management and significantly reducing installation time. The fixture is sensor-ready with an integrated receptacle for field-installed standalone or smart networked Bluetooth controls. Select 2ft and 4ft models offer a 3-pin linkable option for quick row mounting, while a lumen-selectable model provides added flexibility.

IDEAL APPLICATIONS

- ✔ Hallways
- ✔ Stairwells
- ✔ Utility Areas
- ✔ Foyers

SPECIFICATIONS

	SMW2N-LED25	SMW4N-LED35	SMW4N-LED50A30
PERFORMANCE			
Length	2ft	4ft	4ft
Light Output	3400 lm	5100 lm	7300/5800/4400 lm (Lumen Selectable)
Efficacy	147 lm/W	153 lm/W	153 lm/W
CCT	3500K/4000K/5000K (CCT Selectable)		
Beam Angle	110°		
Replaces Up to	2ft T8 lamp	2 Lamp T8	2 Lamp T8, 3 Lamp T8
CRI	86		
ELECTRICAL			
Wattage	25 W	35 W	50/40/30 W
Voltage	120-277 V	120-277 V	120-347 V
Surge Protection	2 kV (Built-in Driver)		
Power Factor	0.99		
THD	11.6%	13.2%	11.9%
Wire Leads	6" from centre conduit knockout		
Daisy Chain	Max. 16 Fixtures	Max. 8 Fixtures	
Battery Backup	-	8W (Optional)	
CONSTRUCTION			
Housing	Steel Sheet Metal		
Paint	White Powder Coat Finish		
Lens	Frosted Polycarbonate		
Weight	3.5 lbs	5.7 lbs	5.9 lbs

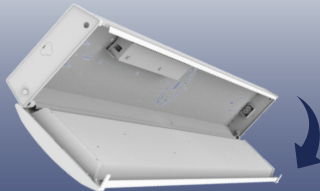
		SMW2N-LED25	SMW4N-LED35	SMW4N-LED50A30
AMBIENT OPERATING TEMPERATURE				
-20°C to 40°C (-4°F to 104°F)				
MOUNTING				
Surface Mount (Accessories Included), Suspension Mount (Sold Separately)				
CERTIFICATIONS				
ETL Listed for Canada & USA per UL 1598 & CSA C22.2#250.0 Ed.5 DLC 6.0 Premium				
CONTROLS				
Dimming		0-10V (0-100% Dimming, Dim to Off)		
Sensor		Sensor Ready for Standalone & Bluetooth Networked Controls - PIR Motion & Daylight Harvest Sensor		
LUMEN MAINTENANCE				
L90			L80	
52,000 Hrs			>100,000 Hrs	
MAXIMUM AMPERAGE DRAW (A)				
120V	0.23	0.32	0.46	
208V	0.13	0.19	0.27	
240V	0.12	0.16	0.23	
277V	0.10	0.14	0.20	
347V	-	-	0.16	

Note: - Electrical and light performance data is based on LM79 test reports, measured at 4000K and 120V.
- Life hours are derived from IESNA LM-80 testing report and projected per IESNA TM-21 calculations.

HINGED DUAL-COMPARTMENT DESIGN

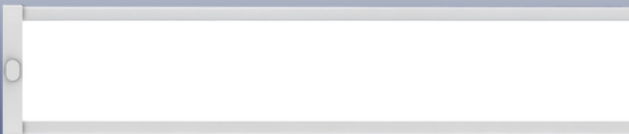
FAST, EASY INSTALLATION

Hinged access enables quick opening and simplified wiring.



SHADOW-FREE ILLUMINATION

Separated compartments prevent wiring shadows for uniform light output.



ORDERING GUIDE

			VK	WHT	DIM	SR	FR		
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Fixture	Wattage	Voltage	Colour Temp.	Finish	Dimming	Controls	Lens	Battery Backup	Linkability
SMW2N	LED25	B - 120-277V	VK - Colour Selectable (3500K/4000K/5000K)	WHT - White	DIM - 0-10V Dimming	SR - Sensor Receptacle	FR - Frosted Lens	BLANK - No Battery Backup	BLANK - 3-pin Linkable ²
SMW4N	LED35	B - 120-277V						BBK8 - 8W Battery Backup ¹	NL - Non-linkable ³
	LED50A30	H - 120-347V							

¹Offered with 4ft fixtures only.

²Offered with SMW2N-LED25 & SMW4N-LED50A30.

³Offered with SMW4N-LED35. Fixtures support row-mount and daisy-chain installations through conduit knockouts located on the end caps, allowing through-wiring between units.

Default Setting: 4000K for all models and 40W for SMW4N-LED50A30.

STOCK CODES

084937	SMW2N-LED25-B-VK-WHT-DIM-SR-FR
084935	SMW4N-LED35-B-VK-WHT-DIM-SR-FR-NL
084936	SMW4N-LED50A30-H-VK-WHT-DIM-SR-FR

INCLUDED IN THE BOX

3 PIN LINK CONNECTOR¹



SURFACE MOUNT KIT



¹Provided with 3-PIN linkable models.

ACCESSORIES SOLD SEPARATELY

084938	SMWN ROW MOUNT KIT WHT ¹		083786	PIR15P-RCA-D1 (Standalone Sensor)	
084939	SMWN SET OF 2x V-HOOKS FOR SUSPENSION MOUNT		083787	PIR18P-BTA-D1 (Smart Networked Bluetooth Sensor)	
012559	SMW-LED LINK CONNECTOR FOR 3-PIN ²		083789	CONTROLLED RC-500 MOTION SENSOR REMOTE CONTROL	
012558	SMW-LED 1FT INTERCONNECT CABLE WHT FOR 3-PIN ²		084215	BLUETOOTH 3-KEY AC LINE VOLTAGEWALL SWITCH120-277VAC, 3-KEYS (ON/OFF, DIM+, DIM-)	
012568	SMW-LED 6FT INTERCONNECT CABLE WHT FOR 3-PIN ²		084633	BLUETOOTH 5-KEY BATTERY POWEREDWIRELESS WALL SWITCH & PLATE ³	
012557	SMW-LED 5FT CORD & PLUG WHT FOR 3-PIN ²				

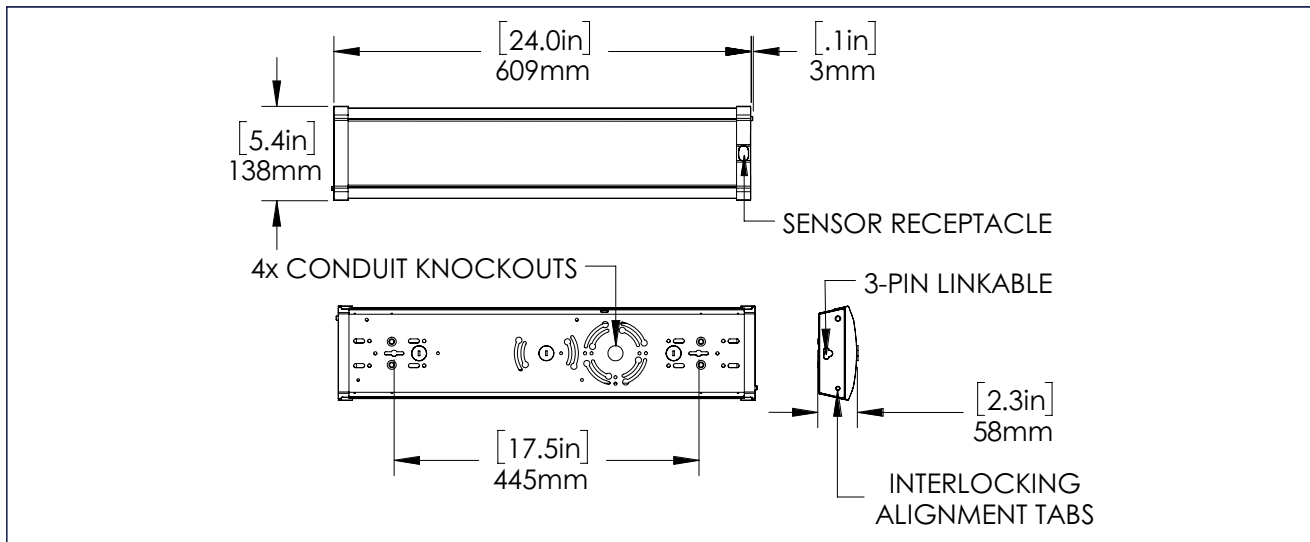
¹Comptible with all models. Optional for 3-PIN linkable models which include built-in interlocking alignment tabs on the end caps to assist with fixture alignment during row mounting.

²For 3-pin linkable models only.

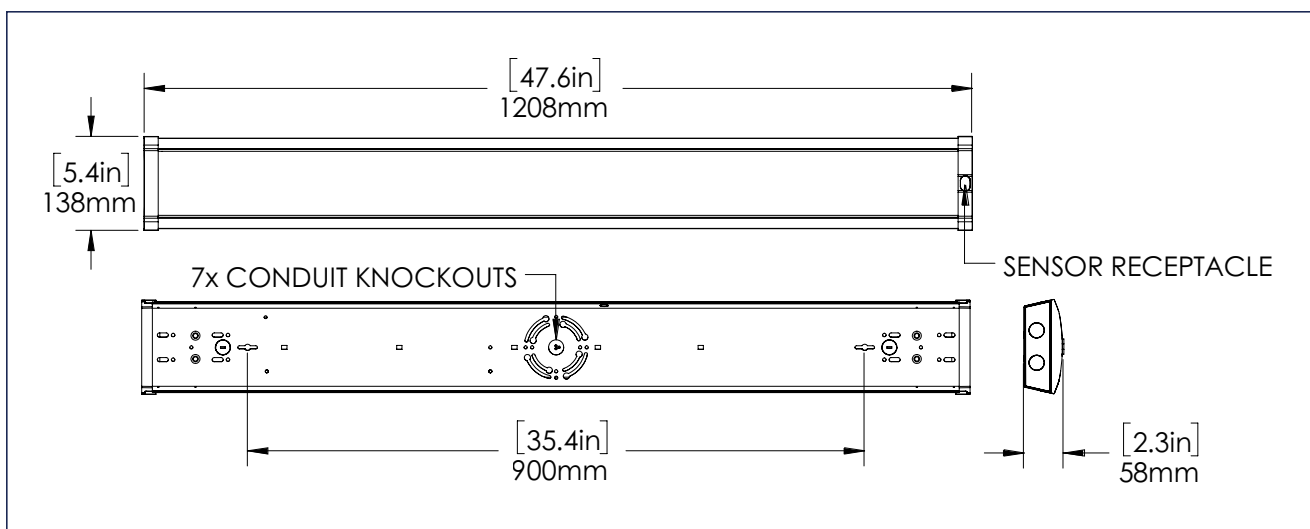
³Wireless Bluetooth module can also be used as portable remote control.

DIMENSIONS

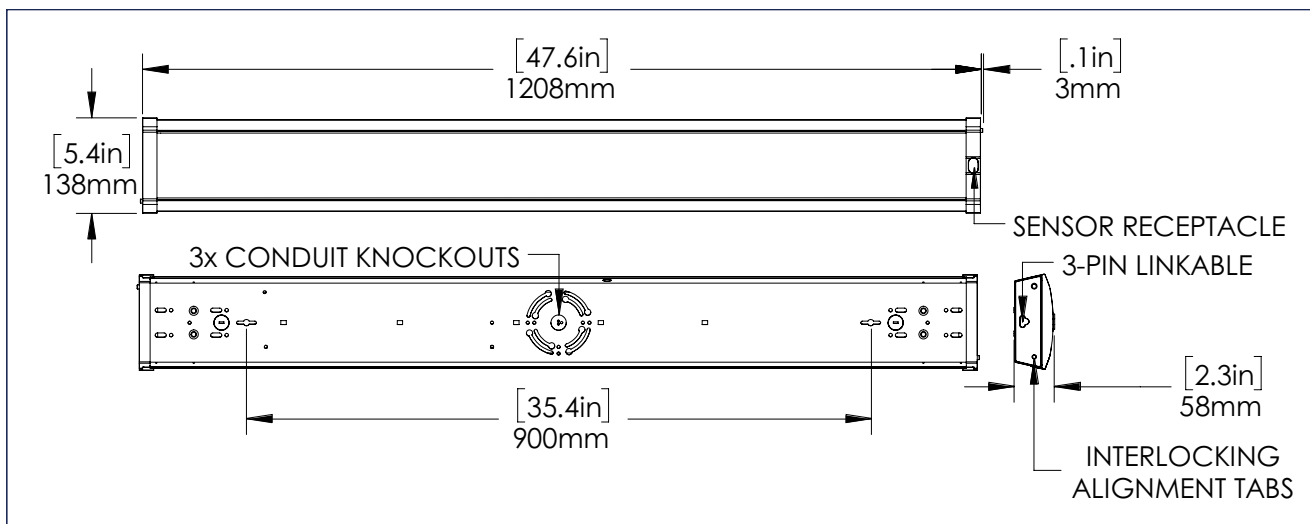
SMW2N-LED25



SMW4N-LED35



SMW4N-LED50A30



CONTROLLED

PIR MOTION & DAYLIGHT HARVEST SENSOR

FEATURES

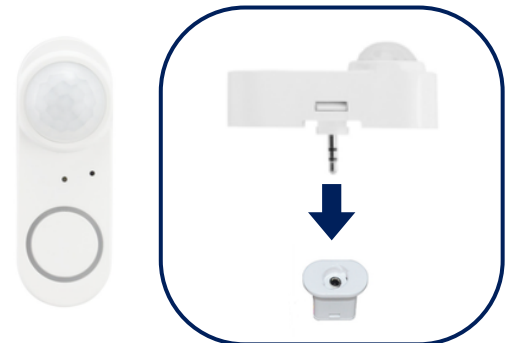
- Available in two options - Standalone sensor & smart networked Bluetooth sensor
- Easy wireless plug-and-play installation

Standalone Sensor

- Program the sensor easily and quickly using RC-500 remote control.

Smart Networked Bluetooth sensor

- Program the sensor using the ControlLED app.
- Bluetooth mesh network
- DLC - Networked Lighting Control (NLC) & Luminaire Level Lighting Control (LLLC)



SPECIFICATION

Input Voltage	12VDC
Input Current	25mA Max.
Input Power	0.3W
Output Current	10mA Max. Sinking Current
Output Power	0.1W
Dimming	Class 2, 0-10VDC
Bluetooth Transmit ²	100ft Max.
Radio Frequency	2.4GHz ±75MHz
Bluetooth Version ²	5.0
Housing Material	Polycarbonate (UL 94-5VA)
Housing Finish	White
Detection Range	40ft Max.
Mounting Height	18ft. Max.
Indoor/Outdoor Use	Indoor Use Only
Operating Temperature ¹	-30°C to 55°C (-22°F to 131°F)
IP Rating	IP20
Installation	Plug-and-play installation

¹When installed in the fixture, the system's ambient operating temperature is limited by the component with the lowest allowable range.

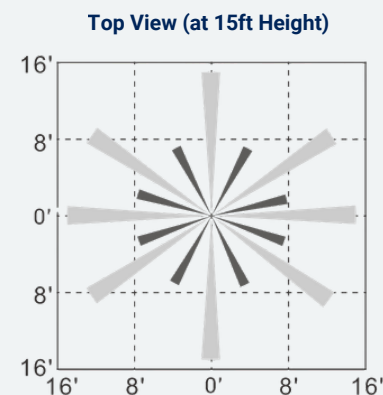
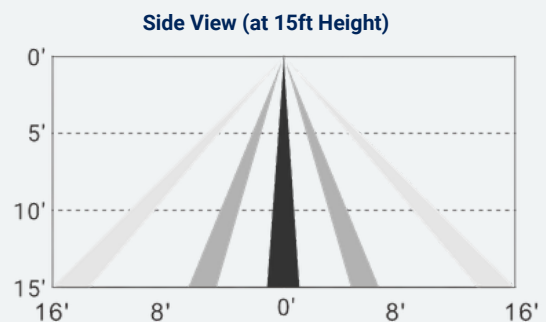
²Applies only to the Bluetooth sensor.

DEFAULT SETTINGS

Motion Sensor	ON
Mode	Occupancy
Trim Level	100%
Sensitivity	High
Hold Time (T1)	20 min
Standby Dim	50%
Standby Time (T2)	1 min
Photocell	OFF
Daylight Harvest	OFF
Linkage	OFF
Linkage Level	100%

Note: Program the Bluetooth sensor with the desired settings using the ControlLED Mobile App (please refer to the ControlLED App manual for instructions).

DETECTION COVERAGE



BATTERY BACKUP SPECIFICATIONS

Input Power	Max. 7W
Input Voltage	100-347V
Output Power (Emergency Mode)	8W
Recharge Current	250mA
Recharge Time	24 Hrs
Discharge Time	90 min
Ambient Operating Temperature	0°C to 50°C (32°F to 122°F)
Service Life	2,000 Hrs
IP Rating	IP20
Installation	Factory installed inside the fixture
Light Output ¹	SMW4N-LED35: 1200 lm SMW4N-LED50A30: 1200 lm

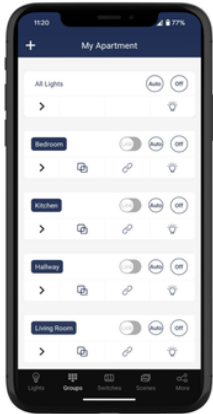
¹Lumen output with emergency battery backup can be calculated by multiplying the battery output power with the efficacy of fixture.

Note: When installed in the fixture, the system's ratings are limited by the component with the lowest allowable range.

CONTROLLED

RAB
DESIGN

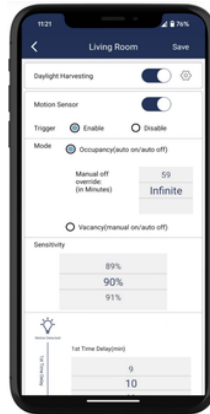
ControlLED Network Lighting Controls (NLC) delivers secure, wireless lighting management with Bluetooth Mesh and the ControlLED App. Integrated sensors enable automatic adjustments for comfort, safety, and efficiency.



Organized Workspaces:
Create Zones, Groups and Group linkages.



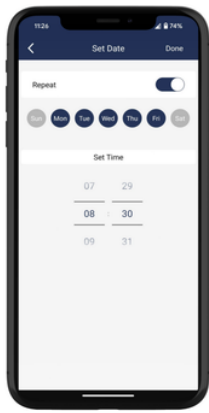
Dimming Lights:
Set dim level for groups or individual lights.



Motion and Daylight Harvest Sensors:
Custom sensor settings for groups or individual lights.



Scenes:
Create custom scenes for different scenarios.



Schedules:
Create custom schedules for recurring events.



Share Access:
Share access using QR codes.

Get the App!



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**Lighting Your Way.
Simple By Design.**

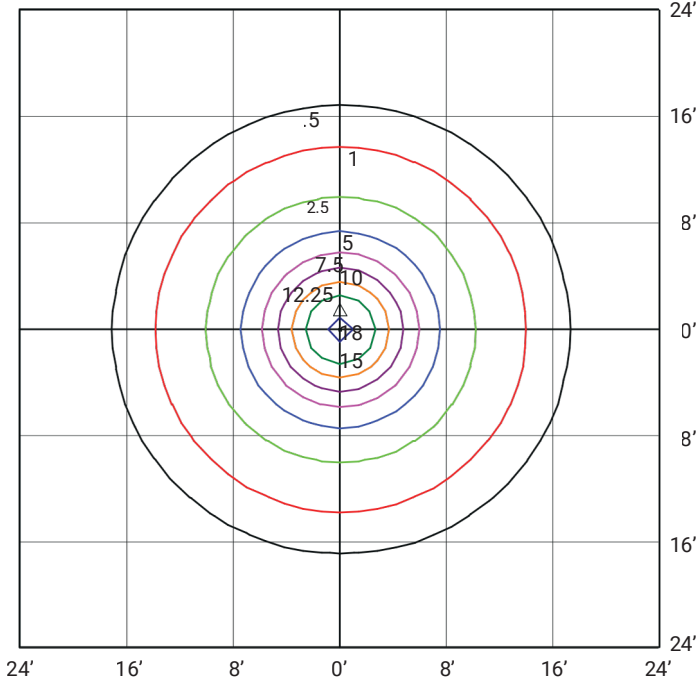
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PHOTOMETRIC PLOTS

**SMW2N-LED25-B-VK-WHT-DIM-SR-FR (25W 120V 4000K)
MOUNTED AT 8 FEET**

LUMENS 3374

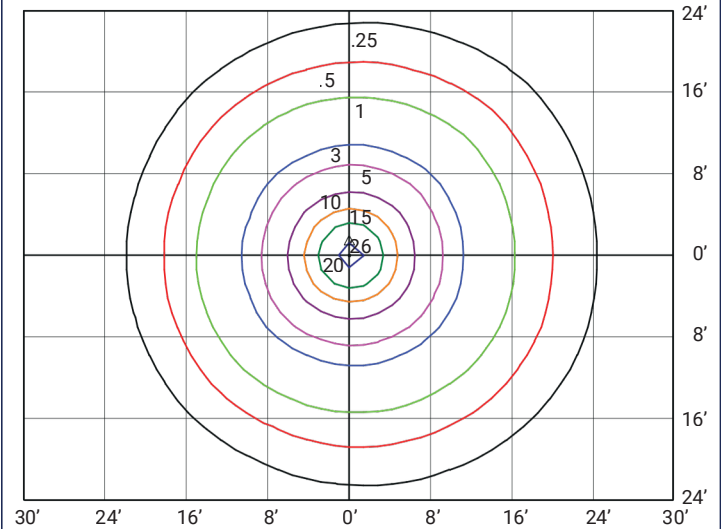
MAX CALCULATED VALUE 18.81



**SMW4N-LED35-B-VK-WHT-DIM-SR-FR-NL (35W 120V 4000K)
MOUNTED AT 8 FEET**

LUMENS 4998

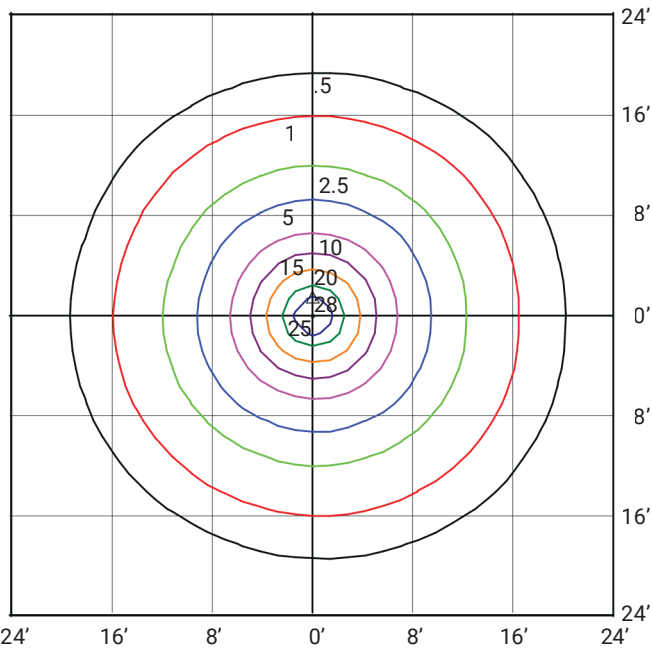
MAX CALCULATED VALUE 27.50



**SMW4N-LED50A30-H-VK-WHT-DIM-SR-FR (40W 120V 4000K)
MOUNTED AT 8 FEET**

LUMENS 5551

MAX CALCULATED VALUE 30.52



**SMW4N-LED50A30-H-VK-WHT-DIM-SR-FR (50W 120V 4000K)
MOUNTED AT 8 FEET**

LUMENS 7044

MAX CALCULATED VALUE 38.73

