

OVERVIEW

The nLight **nWV 16** Series Wide View occupancy sensor is designed to mount in a corner and detect small motions up to 40 ft (12.19 m) away, and larger motions up to 70 ft (21.34 m) away. This makes it ideal for 30 ft x 30 ft (9.14 m x 9.14 m) classrooms or corridors up to 70 ft (21.34 m) long. The enclosure's convenient tilting feature enables the sensor to be mounted at any height from 8 to 10 ft (2.44 to 3.05 m). When corner or wall mounting is not possible, the **WV BR** bracket accessory can be used to mount the **nWV 16** to the ceiling. Additionally, the **nWV 16** may be used in combination with other nLight sensors to customize coverage for very large or irregularly shaped spaces. For rooms with obstructions, use the **nWV PDT 16** Series sensor which adds Microphonics™ detection.

FEATURES

- Patented Dual Technology with PIR / Microphonics™ Detection (PDT version)
- 120° by 40 ft (12.19 m) Coverage for Small Motion
- Integrated On/Off Photocell
- Communicates w/ nLight Network
- Remotely Configurable/Upgradeable
- Push-Button Programmable
- Adjustable Time Delay
- 100 hr Lamp Burn-in Timer

SPECIFICATIONS

Corner Mount Enclosure

Size:	3.00" H x 3.60" W x 1.75" D (7.62 cm x 9.14 cm x 4.45 cm)
Weight:	4 oz
Mounting:	Directly to Corner or to Ceiling using nWV BR bracket
Color:	White
nLight Network Ports:	2 RJ-45
Temperature Rating:	Standard: -10° C to 85° C LT Standard Option: -40° C to 85° C LT Option (PDT): -20° C to 60° C Non-LT Option (PDT): -10° C to 60° C

Ceiling Mount Bracket WV-BR (only included w/ kit)

Size:	4.70" Dia. (11.94 cm) 3.30" Deep (8.38 cm)
Weight:	3 oz.
Mounting:	Ceiling Tile Surface, Round Fixture Box, Single Gang Handy Box
Color:	White
Power Consumption:	< 3mA
Wires:	None
RoHS Compliant, Title 24 System Component	

Warranty

Five-year limited warranty. Complete warranty terms located at:
www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx

Note: Actual performance may differ as a result of end-user environment and application. Specifications subject to change without notice.

AcuityControls™

nLight®

nWV 16
nWV PDT 16
Corner Mount 120°
Wide View Sensor



A+ Capable

This item is an A+ capable component, which has been designed and tested to provide out-of-the-box luminaire compatibility with simple commissioning, when included as part of an A+ Certified™ Solution.

To learn more about A+, visit
www.acuitybrands.com/aplus.

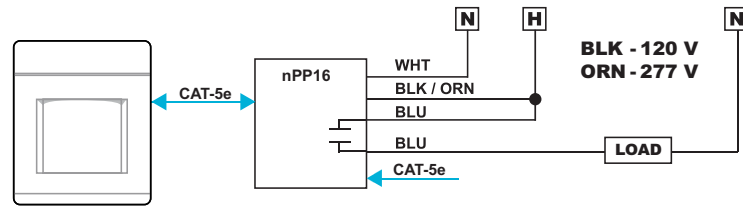


ORDERING INFORMATION

nWV 16 / nWV PDT 16		Example: nWV PDT 16 KIT
Series	Temp/ Humidity	Bracket Kit
nWV 16 120° Wide View Sensor	[blank] Standard	[blank] Sensor Only
nWV PDT 16 120° Wide View Sensor Dual-Technology	LT Low Temp	KIT Sensor & WV BR Bracket

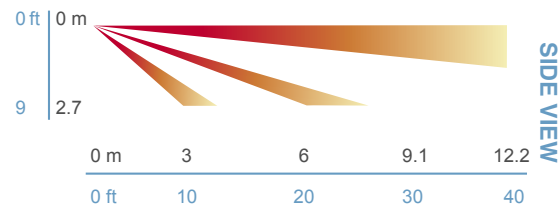
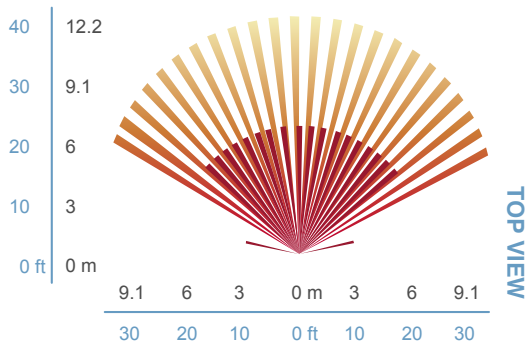
WIRING

Sensor power is provided via the CAT-5e connection.

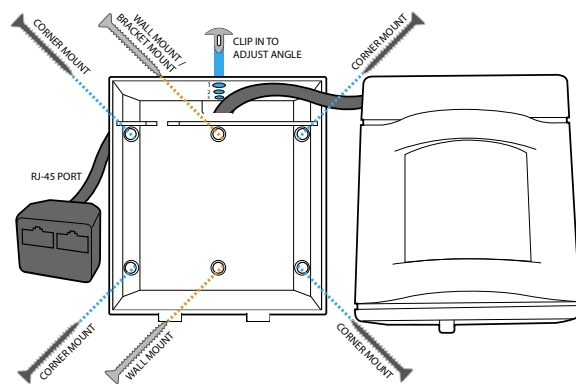


WIDE VIEW LENS

- Small motion (e.g. hand movements) detection up to 40 ft (12.2 m)
- Large motion (e.g. walking) detection up to 70 ft (21.34 m)
- Designed for 8 to 10 ft (2.44 to 3.05 m) high mounting in room corner



- Unit's rear enclosure piece is beveled so as to facilitate corner mounting. Mount between 8 to 10 ft (2.44 to 3.05 m) high using the four screws provided.
- Interconnect unit (via RJ-45 splitter) with other nLight devices in lighting zone using CAT-5e cables.
- Once power is received via CAT-5e connection, all devices in zone will automatically begin functioning together according to each device's defaults.
- Snap front piece into mounted rear piece and set sensor view angle using the plastic tilt adjustment peg (see table below right).
- The WV BR bracket (pictured right, only included in kit option) enables mounting to ceiling, if desired. Route CAT-5e cable through hole in bracket, then using provided screw, mount sensor to the bracket's flat side for 8 to 10 ft (2.44 to 3.05 m) heights. Mount sensor to angled side for mounting above 10 ft (3.05 m).



CEILING MOUNT BRACKET (WV BR)

The **WV BR** Ceiling Mount Bracket allows the **nWV 16** to be mounted in the corner of the area from the ceiling for conditions where mounting to the wall is not possible.

TILT ADJUSTMENT Mounting Height Position

7' - 8'
8' - 9'
9' - 10'
Above 10'

Vertical
Center
Forward
Use WV BR



nWV (PDT) 16 - TN-300