

OVERVIEW

The **nCM 9 Series** nLight Standard Range 360° occupancy sensor offers amazing performance and sensitivity to small motions (e.g. hand movements). Ideal for small rooms with drop ceilings and areas without obstructions, the **nCM 9** is a snap to install. Its light weight allows surface mounting to drop ceilings or a ceiling grid. The **nCM 9** sensor can cover entire private offices or smaller rooms by itself; however it is also the ideal lead sensor for odd shaped rooms. For example an **nCM 9** in a restroom vestibule can be paired with an **nCM PDT 9** Dual Technology sensor in a main stall area. Another application is an **nCM 9** controlling an entrance hall to a classroom and communicating with an **nWV PDT 16** controlling the main room. In both cases the lights would be activated on by the **nCM 9**.

FEATURES

- PIR Occupancy Detection
- 360° Coverage
- Communicates w/ nLight Network
- Integrated On/Off Photocell
- Remotely Configurable/Upgradeable
- Push-Button Programmable
- Adjustable Time Delay
- 100 Hr Lamp Burn-in Timer

SPECIFICATIONS

Size: 4.55" Dia. (11.56 cm) 1.55" Deep (3.94 cm)
 Weight: 6 oz
 Mounting: Ceiling Tile Surface
 3.5" Octagon Box
 Single Gang Handy Box
 Color: White
 nLight Network Ports: 2 RJ-45
 Power Consumption: < 3 mA
 Dimming Load: **(ADC version)** Sinks < 20 mA; ~40 ballasts @ .5mA each
 ROHS Compliant
 Title 24 system component



nLight®

nCM 9
 Standard Range 360° Sensor



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.



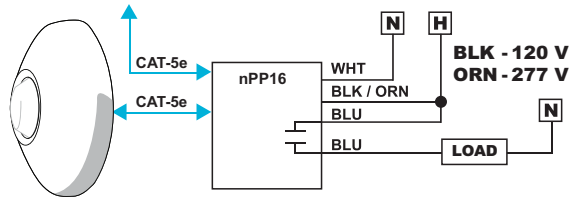
ORDERING INFORMATION

nCM 9		Example: nCM 9 ADCX LT	
Series	Daylighting Control	Temp/humidity	
nCM 9 Standard Range 360° Sensor	[blank] None ADCX Autodimming control photocell (no wires) ADC Autodimming control photocell (0-10VDC wires)	[blank] Standard LT Low temp	

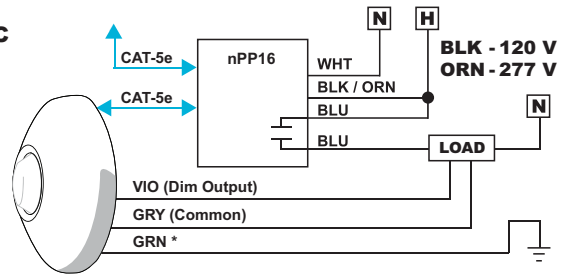
WIRING (DO NOT WIRE HOT)

T568B pin/pair assignment is recommended for all CAT-5e cables. Sensor power is provided via the CAT-5e connection to an nLight power pack/supply, nLight-enabled digital luminaire, or nLight Bridge.

nCM 9 & nCM 9 ADCX



nCM 9 ADC



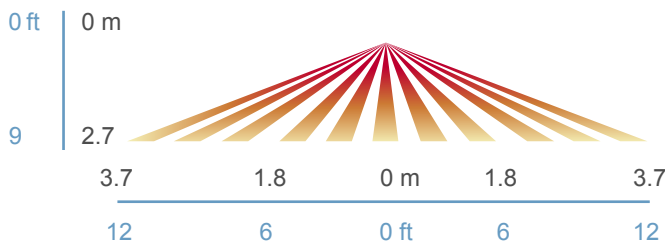
*Note: A green wire is available for an optional connection to an approved ground. This wire is isolated from the class 2 circuitry of the sensor. Connection will provide improved network protection in case of accidental landing of line voltage to VIOLET or GRAY dimming wires. If an approved ground is not available the green wire should be capped.

COVERAGE PATTERN

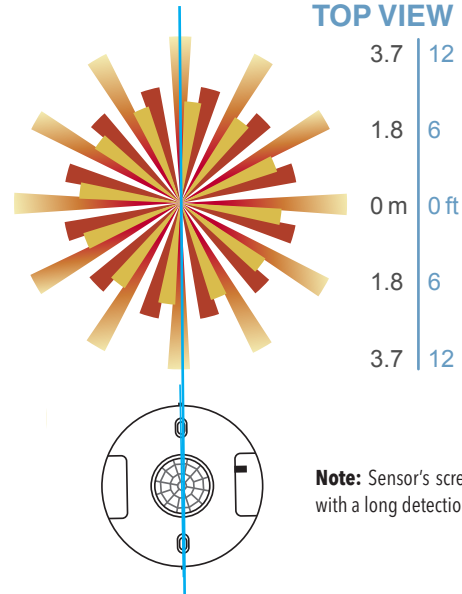
STANDARD RANGE 360° LENS

- Best choice for small motion (e.g. hand movements) detection
- Viewing angle of 56° in a 360° conical shaped pattern
- Provides 12 ft (3.66 m) radial coverage when mounted to standard 9 ft (2.74 m) ceiling
- 8 to 15 ft (2.44 to 4.57 m) mounting heights provide 10 to 20 ft (3.05 to 6.10 m) radial coverage

SIDE VIEW



TOP VIEW



Note: Sensor's screw axis is aligned with a long detection segment