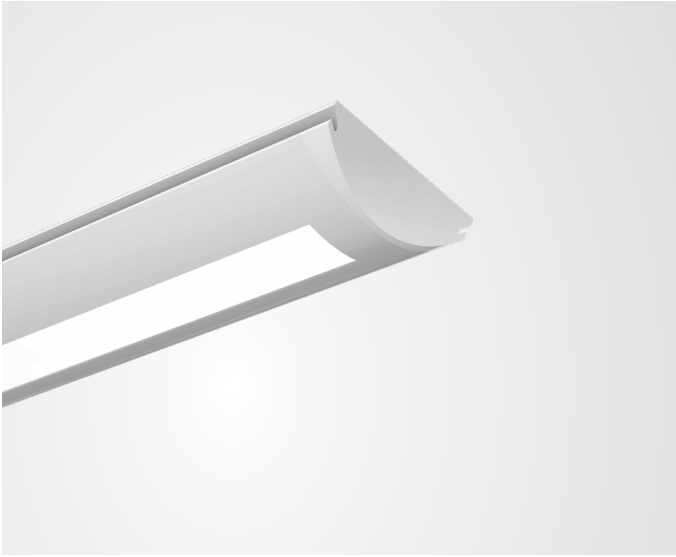


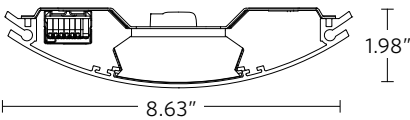
Type:

Project:

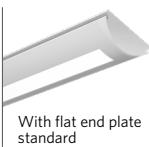


DIMENSIONS

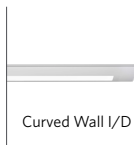
EGCM4L



DETAILS



COMPANION LUMINAIRE(S)



CUSTOMIZATION

Ask us about the following possibilities: alternate distributions, alternate voltages, additional mounting options, custom colors and other modifications.

HIGHLIGHTS

- Total System Integration features 5-year limited warranty by Acuity Brands covering all components and construction
- 4' and 8' sections
- Up to 121 lm/W
- 3 indirect and 4 direct lumen packages
- High performance batwing distribution using injection molded optic
- Dual dimming options
- Flicker-free dimming to dark powered by eldoLED® driver
- Integrated nLight®
- Integrated sensor for daylight dimming and/or occupancy detection (optional)
- Flat or sculptured end caps
- White, black, aluminum or custom color



eldoLED

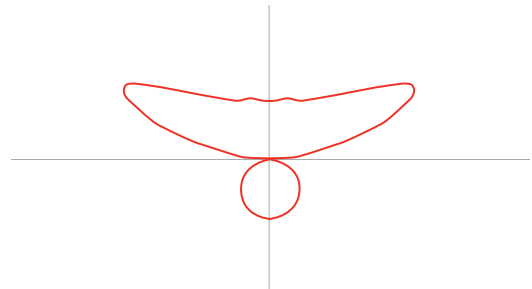


LUMEN PACKAGES

Color Rendering 3500K		Lumens UP		
		700LMF	1000LMF	1300LMF
Lumens Down	300LMF	7.6W/ft.	10.1W/ft.	13.8W/ft.
		121LPW	121LPW	120LPW
	500LMF	9.8W/ft.	12.3W/ft.	16W/ft.
		116LPW	117LPW	118LPW
	700LMF	11.9W/ft.	14.4W/ft.	18W/ft.
		112LPW	113LPW	114LPW
	1000LMF	15.4W/ft.	17.8W/ft.	21.5W/ft.
		107LPW	109LPW	110LPW

DISTRIBUTION

70% Up | 30% Down



SPECIFICATIONS

Housing

Aluminum extruded housing.

End Caps

Flat die-cast aluminum end cap standard. For sculptured end caps, choose option SCEP.

Color

Color for housing and end caps is white, black or aluminum. Consult factory for custom colors.

Luminaire Length

4' and 8' lengths in a single section for exact suspension spacing of 4' and 8'. For total length, add 4" for each sculptured end cap, add 1.33" for each flat end cap. Using internal joiners, 4' and 8' sections can be joined to form longer rows.

Source

3 indirect and 4 direct LED lumen packages and five available color temperature options (2700K, 3000K, 3500K, 4000K, 5000K) — all within 2.5 MacAdam ellipses.

Optics

Optical system consists of injection-molded primary optic and high efficacy metal reflectors.

Dimming Driver

eldoLED driver provides "natural dimming" with smooth, continuous and flicker-free operation to 0.1% dim levels. Acuity luminaires incorporating eldoLED LED drivers perform within the recommended operating areas for flicker as a function of frequency and modulation (%) outlined in IEEE Standard 1789-2015 (IEEE Recommended Practices for Modulating Current in High-Brightness LEDs for Mitigating Health Risks to Viewers), in typical operating conditions at representative dimming levels. Syncing for controls: 2mA max. THD: < 20%. Insignificant inrush current at 120 and 277VAC. FCC Class A and B tested for EMI and RFI.

For 0-10V driver details go to: [PeerlessLighting.com/561M](https://www.peerlesslighting.com/561M)

For DALI driver details go to: [PeerlessLighting.com/560M](https://www.peerlesslighting.com/560M)

Controls and System Networking Options

For wired networking via Cat-5e, choose an integrated nLight® module. For daylight dimming and/or dual technology occupancy detection, see Integrated Sensor Layout Page for more details.

Electrical

LED light engine — consisting of modular LED boards and 0-10V dimming driver — is rated for 60,000 hours (L90) at 25° C ambient temperature. Specify 120V or 277V. Pre-wired with 16AWG fixture wire. For special circuiting or wire gauge, consult factory. Plug-in electrical connectors included.

Environment

Suitable for damp location.

Validation

CSA/CUS listed. CSA tested to UL 1598 standards. LM-79 tested. Individual sections meet FCC Part 15 requirements.

Packaging

Recycled cardboard box and inserts. Biodegradable protective luminaire bag. Recycled kraft paper tape.

nLight Air Wireless

The integrated API smart sensor is part of each luminaire in the nLight AIR network, which can be grouped to control multiple luminaires. The granularity of control with the digital PIR occupancy detection and daylight sensing makes a great solution for any application. Optionally you can order nLight AIR less sensors for compatibility with an nLight AIR wireless system.

Government Procurement

BAA – Buy America(n) Act: Product qualifies as a domestic end product under the Buy American Act as implemented in the FAR and DFARS. Product also qualifies as manufactured in the United States under DOT Buy America regulations.
BABA – Build America Buy America: Product qualifies as produced in the United States under the definitions of the Build America, Buy America Act. Please refer to www.acuitybrands.com/resources/buy-american for additional information.

Warranty

5-year limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at: www.acuitybrands.com/support/warranty/terms-and-conditions

Note: Actual performance may differ as a result of end-user environment and application.

All values are design or typical values, measured under laboratory conditions at 25°C.

A+ Capable Luminaire

This item is an A+ capable luminaire, which has been designed and tested to provide consistent color appearance and out-of-the-box control compatibility with simple commissioning.

- All configurations of this luminaire meet the Acuity Brands' specification for chromatic consistency
- This luminaire is part of an A+ Certified solution for nLight® control networks when ordered with drivers marked by a shaded background*
- This luminaire is part of an A+ Certified solution for nLight control networks, providing advanced control functionality at the luminaire level, when selection includes driver and control options marked by a shaded background*

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

*See ordering tree for details



A+ Capable options indicated by this color background.

MODEL NUMBER Example: EGCM4L LLP 8FT MSL8 80CRI 35K I1000LMF 500LMF DARK ZT 120 SCT F1/36A C041

Luminaire	Linear Length Plan	Total Run Length	Maximum Section Length	LED Color Rendering	LED Color Temperature
EGCM4L	LLP Linear longest possible LSL Longest same length	_FT Indicate luminaire row length in 4' increments. Ex: 12FT	MSL4 4' section(s) MSL8 8' section(s)	80CRI 80+ CRI 90CRI 90+ CRI	27K 2700K 30K 3000K 35K 3500K 40K 4000K 50K 5000K

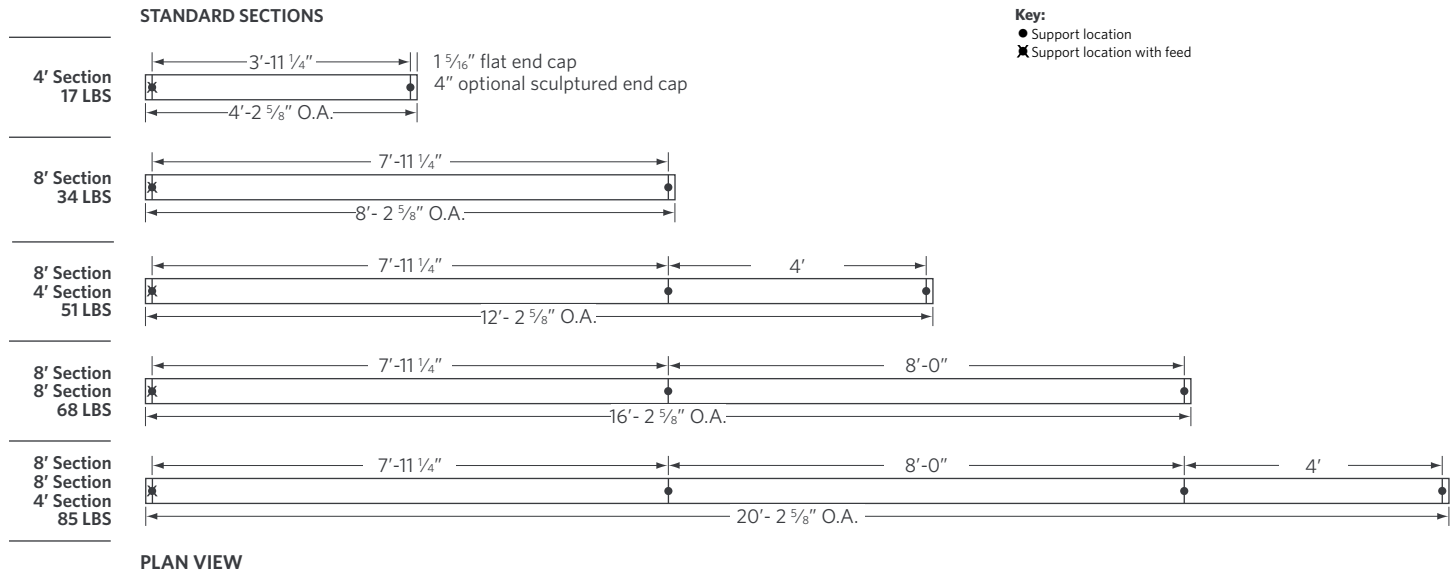
Indirect LED Output	Direct LED Output	Minimum Dimming Level	Control Input	Voltage	Wiring Option
(blank) direct only I700LMF I1000LMF I1300LMF* <i>*ECOD2 (Control Input) not available with I1300LMF</i>	300LMF 500LMF 700LMF 1000LMF* <i>*ECOD2 (Control Input) not available with 1000LMF</i>	DARK Constant current, dimming to < 1% MIN1 Constant current dimming to 1%	NLTAIR2**** NLight AIR (wireless) enabled ECOD*** Lutron Hi-Lume Digital driver ZT* 0-10V NLIGHT** nLight enabled DALI*** DALI enabled <i>*0-10V will use linear dimming curve</i> <i>**Will use Logarithmic dimming curve</i> <i>***Not available with sensors</i> <i>***Will use Logarithmic dimming curve</i> <i>****Not available with ECOD or PDT or ADC options</i> <i>****Will use Logarithmic dimming curve</i> <i>****Not available with DCT or 4' individual or complete section of EC (8' with EC/L/R)</i>	120 120V 277 277V	SCT Single circuit DCT Dual circuit

Emergency Options	Primary Sensor	Secondary Sensor	Mounting Type/
(Blank) None 1EC (1) Emergency circuit module 2EC (2) Emergency circuit module _EC ___ Emergency circuit modules _E10WLCP* _10 Watt battery pack, constant power with self diagnostics. CEC Certified <i>*Emergency type is installed in last 4' of luminaire sections. Separate feed required.</i> <i>*Not available with CSA</i>	PDT_* Dual technology occupancy sensor. PIR & microphonics sensor ADC_* Daylight Dimming Sensor APD_*** Dual technology PDT and ADC sensor APL_** Passive infrared occupancy sensor and daylight dimming sensor <i>*Available with ZT or NLIGHT only</i> <i>**Available with NLTAIR2 only</i> <i>***Available with or without NLTAIR2</i> <i>All Sensors available on 8' ONLY</i>	SPDT_* Dual technology occupancy sensor. PIR & microphonics sensor SADC_* Daylight Dimming Sensor SAPD_*** Dual technology PDT and ADC sensor SAPL_** Passive infrared occupancy sensor and daylight dimming sensor <i>*Available with ZT or NLIGHT only</i> <i>**Available with NLTAIR2 only</i> <i>***Available with or without NLTAIR2</i> <i>All Sensors available on 8' ONLY</i>	F1/ T-bar ceiling (universal mounting bracket) F1A/ T-bar ceiling (UMB with integrated J-box) F2/ Hard ceiling (horizontal J-box) <i>*F1 & F1A Mount uses standard 3 1/2" canopy on feed and 2" canopy on support</i> <i>**F2 Mount uses standard 5" canopy on feed and 2" canopy on support</i> <i>***All feed cords, cord managers and canopies are standard white. They are not painted to match fixture color</i>

Overall Suspension	Color	Options
12F 12" fixed 18F 18" fixed 24F 24" fixed 24A 24" adjustable 36A 36" adjustable 48A 48" adjustable 72A 72" adjustable 96A 96" adjustable 144A 144" adjustable 192A 192" adjustable 240A 240" adjustable <i>*Measured from ceiling to bottom of luminaire.</i>	C110 Painted aluminum (low gloss) C041 White white (low gloss) C201 Black (low gloss) C099*** Custom color RALTBd** Ral Paint Finishes <i>**RALTBd for pricing only, replace with applicable RAL call out when ready to order. See the RAL BROCHURE for available options</i> <i>***C099 for pricing only. Custom color chip needs to be sent in to Customer Care and matched up with our paint department and customer approved before order is entered.</i>	BLK* Black cord, cord manager and canopy CSA** Manufactured to Canadian Standards CP Chicago Plenum (available with F1A only) ELH*** ELH Emergency through wiring w/separate neutrals-single EM feed at opposite end of normal ELS2*** ELH Emergency through wiring w/separate neutrals-single EM feed at opposite end of normal GLR Fast Blow GMF Slow Blow MCS**** Matching canopy at support for aesthetics MCSJ***** Matching canopy for J-box mounting at non-power feed support locations OJB**** Offset J-box at feed SLP***** Sloped Ceiling SCEP Sculptured End Plate <i>*Not available with nLight</i> <i>**CSA with EC not available</i> <i>***Not available with CSA or F2 Mount</i> <i>****MCS & OJB cannot be chosen together</i> <i>*****MCSJ Available with F2 Mount Only</i> <i>*****When SLP is chosen need to choose F2 mount and OJB</i>

WEIGHTS & SUPPORT SPACING

Suspension spacing equals section length. Default location shown.



LINEAR PLAN:

PEERLESS offers the ability to provide a continuous run plan to suit your requirements by optionally offering three different methods of configuration.

LSL- Linear Same Length:

In this configuration, each segment is the same length and is standardized based on the longest length available and is the only option provided. Because it is dependent on one segment length there are mathematical limitations on what overall row lengths can be achieved. Example: 20 FT row would be achieved with 5, 4 FT long segments equaling 20 FT (nominal).

LSL	4FT	4FT	4FT	4FT	4FT
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LLP- Linear Longest Possible

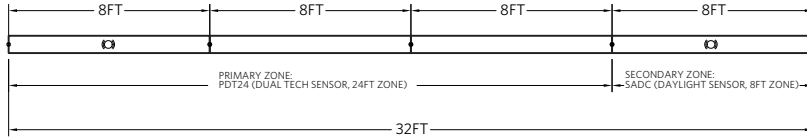
In this configuration, the longest length available is optimized, resulting in the fewest segments and mounting locations. Caution, should be used where balanced appearance is a concern. Example: 20 FT run would have 2, 8 FT segment and 1, 4 FT segment at the end of the run.

LLP	8 FT	8 FT	4FT
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INTEGRATED SENSOR LAYOUT

CORRECT:

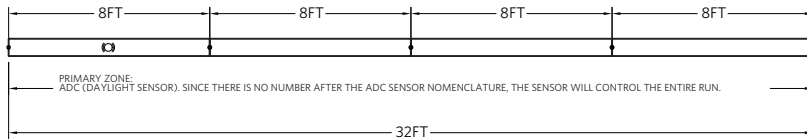
32FT MSL8 RUN WITH 2 SENSORS WITH PRIMARY ZONE 24FT AND SECONDARY ZONE 8FT -- PDT24 SADC8



Notes:

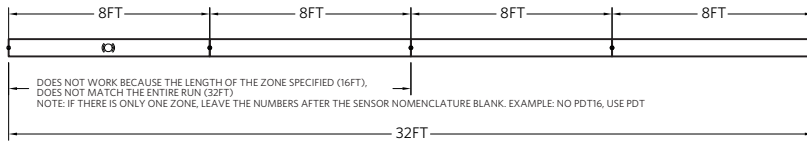
- Only one sensor per zone
- At the most, the entire run can only have 2 sensors (thus 2 sensors zones at the most)
- Sensor zone can not split fixture sections
- No overlapping zones
- One nLight or NLTAIR2 device per zone or per sensor, for multiple zones without sensors contact factory

32FT MSL8 RUN WITH 1 SENSOR ALL ONE ZONE -- ADC

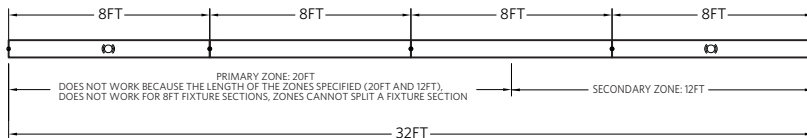


INCORRECT:

32FT MSL8 RUN WITH 1 SENSOR ALL ONE ZONE -- PDT16



32FT MSL8 RUN WITH 2 SENSORS WITH PRIMARY ZONE 20FT AND SECONDARY ZONE 12FT -- PDT20 SADC12



MOST COMMON MOUNTING TYPES AND OPTIONS Options available for this specific luminaire are checked in the boxes below.

Mounting Type

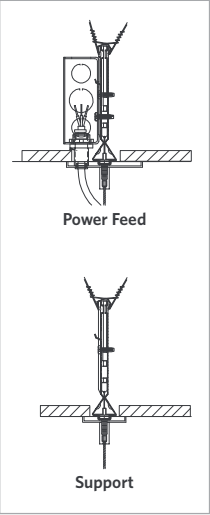
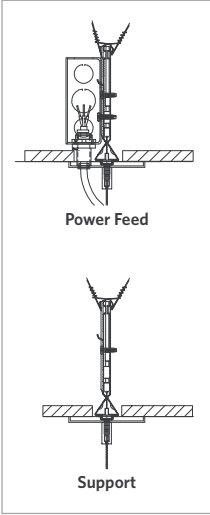
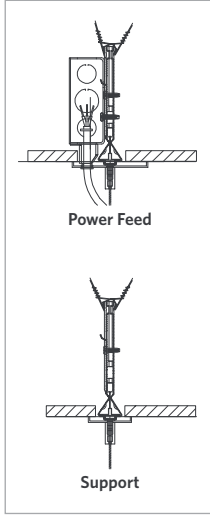
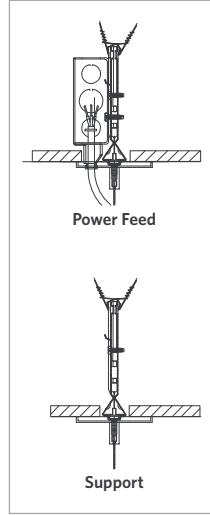
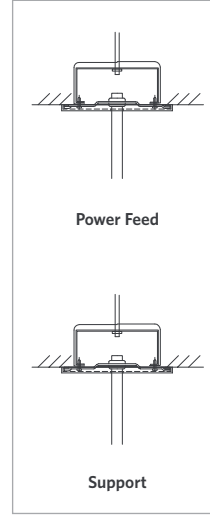
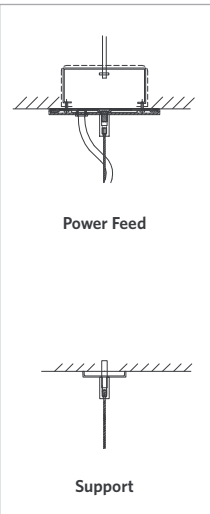
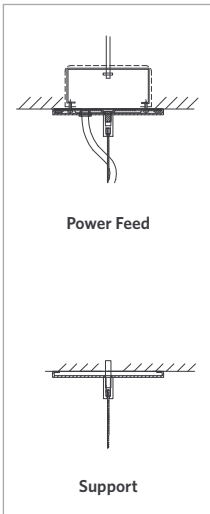
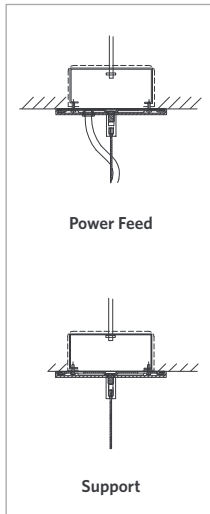
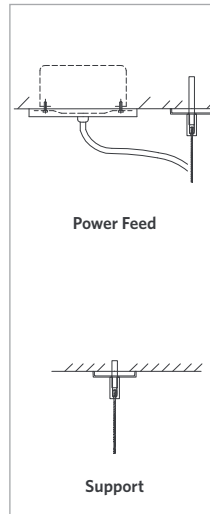
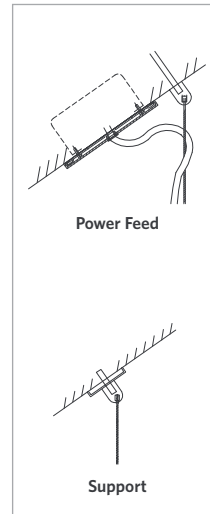
- F1/** For use with most T-Bar and screw slot grid ceilings. Designed for on-grid and off-grid applications.
- F2/** For use with recessed or surface mount horizontal J-box applications.
- F3/** Stem mounting for use with recessed or surface mount horizontal J-box applications. *Check with local jurisdiction regarding rigid stem code requirements.*
- F1A/** For use with most T-Bar and screw slot grid ceilings. Designed for on-grid and off-grid applications. *Comes complete with vertical J-box with built-in wire way. See also CP.*

Mounting Options

- MCS** Matching canopy at support for aesthetics.
- MCSJ** Matching canopy for J-box mounting at non-power feed support locations.
- OJB** Offset J-box at feed.
- SLP OJB** Sloped ceiling couplers and offset J-box option at feed.

For more detailed mounting drawings and information, see <https://peerlesslighting.acuitybrands.com/resources/product-resources>

☒ Indicates mounting options available with this luminaire.

☒ F1/ 	☒ F1/MCS 	☒ F1A/ 	☒ F1A/MCS 	☐ F3/ 
☒ F2/ 	☒ F2/MCS 	☒ F2/MCSJ 	☒ F2/OJB 	☒ F2/SLP OJB 

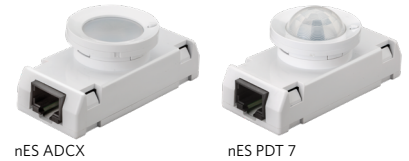
INTEGRATED SENSOR OPTIONS

Control Input	Integrated Sensor	Daylight Dimming	Daylight Dimming and/or Occupancy Detection	nLight Wired Networking	Link to Spec Sheet
NLIGHT	ADC	X		X	PeerlessLighting.com/nES-ADCX
NLIGHT	PDT		X	X	PeerlessLighting.com/nES-PDT7
ZT	ADC	X			PeerlessLighting.com/nES-ADCX
ZT	PDT		X		PeerlessLighting.com/nES-PDT7



Daylight harvesting deactivated by default and field programmed per sequence of operations for PDT sensor options.

Luminaires specified with nLight system networking ship with one RJ-45 connector integrated into the luminaire, 10' of Cat-5e cable and a splitter to control the entire luminaire row (depending on wattage/voltage limitations). For multiple zones, please contact TechSupport-Peerless@AcuityBrands.com.



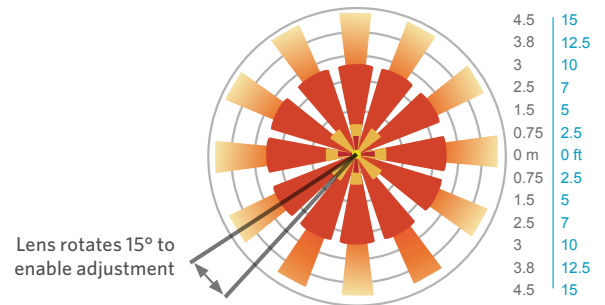
OCCUPANCY DETECTION COVERAGE

At the 7.5 ft (2.9 m) hanging height of a typical pendant mount fixture the sensor provides 10 ft (3.05 m) radial detection of small motion. At a 9 ft (2.74 m) hanging height the radius is 12 ft (3.66 m) for small motion.

Adequate for walking motion detection from mounting heights between 7.5 ft (2.29 m) and 20 ft (6.10 m).

Initial detection will occur earlier when walking across sensor's field of view than when walking directly at sensor.

Initial detection of walking motion into long coverage segment will occur at distances of 2x the mounting height up to 15 ft (4.57 m) and 1.75x up to 20 ft (6.10 m). Lens assembly rotates 15° to enable adjustment in order to line up long segments.



COMPATIBLE nLIGHT COMPONENTS WITH INTEGRATED CONTROLS



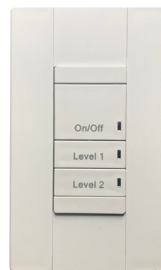
nPODMA DX WH



nPODMA 2P DX WH



nPODMA 4P DX WH



nPODMA 2L WH



nPOD UNITOUCH WH

[Sensor Switch.com/DataSheets/nPODMA.PDF](https://www.sensor-switch.com/DataSheets/nPODMA.PDF)

[Sensor Switch.com/DataSheets/nPOD Unitouch.PDF](https://www.sensor-switch.com/DataSheets/nPOD Unitouch.PDF)

eldoLED COMPATIBILITY For compatible dimmers & switches please see the EldoLED compatibility document

[PeerlessLighting.com/eldoLED-compatibility](https://www.peerlesslighting.com/eldoLED-compatibility)