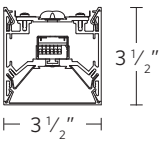
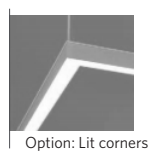


**DIMENSIONS**

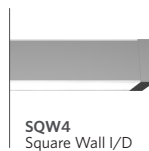
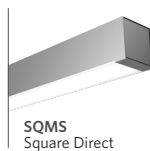
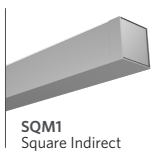
**SQM4**



**DETAILS**



**COMPANION LUMINAIRE(S)**



**CUSTOMIZATION**

Ask us about the following possibilities: Higher lumen outputs, alternate section lengths in 2' increments, alternate distributions, alternate voltages, additional mounting options, custom colors, higher CRI and R9 values 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 94 lm/W
- Four distributions available
- Softshine<sup>®</sup>-engineered comfort optics
- High performance batwing distribution using injection molded optic
- Continuously illuminated lens
- Available with lit corners
- Flicker-free dimming to dark (0.1%) powered by eldoLED<sup>®</sup> driver
- Optional dual circuit switching for independent dimming of indirect and direct light outputs.
- Integrated nLight<sup>®</sup> module for system networking (optional)
- Integrated sensor for daylight dimming and/or occupancy detection (optional)
- White, black, painted aluminum, anodized aluminum or custom color

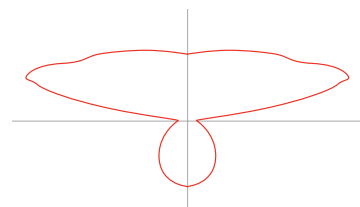


**LUMEN PACKAGES**

Indirect /Direct LED Output	1500LMF /400LMF	1500LMF /800LMF	1900LMF /400LMF	1900LMF /800LMF
Indirect Delivered Lumens Per Foot/ Direct Delivered Lumens Per Foot	483/411	467/763	896/421	865/767
Total Delivered Lumens Per Foot	896	1232	1318	1632
Input Watts Per Foot	9.5	14.7	15.3	20
Lumens Per Watt	94	84	86	82

**STANDARD DISTRIBUTION**

68% Up | 32% Down | HI/LO



## SPECIFICATIONS

### Housing

Extruded aluminum housing is 3.5" square.

### End Caps

Extruded aluminum end caps are mechanically attached with no exposed fasteners. Flat end caps standard. For sculptured end caps, choose option SCEP.

### Color

Color for housing and end caps is gloss white, black, painted aluminum or anodized 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 1" for each standard end cap and 2 1/4" for each sculptured end cap. Longer rows are comprised of starter, joiner and end sections.

### Source

Four LED lumen packages and three available color temperature options (3000K, 3500K and 4000K) — all within 2.5 MacAdam ellipses.

### Optics

Softshine® optical system consists of injection-molded primary optics, co-extruded acrylic lenses and metal reflectors. Lenses connect end to end to form a continuous line of light.

### Dimming Driver

eldoLED® driver provides "natural dimming" with smooth, continuous and flicker-free dimming to dark (0.1%). Syncing for controls: 2mA max. THD: < 20%. Insignificant inrush current at 120 and 277VAC. FCC Class A and B tested for EMI and RFI.

When Control Input of 0-10V is specified driver will be set for linear dimming curve. If NLIGHT is specified driver will be set for logarithmic dimming curve

*For 0-10V driver details go to: [PeerlessLighting.com/S66L](http://PeerlessLighting.com/S66L)*

### 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 Page 6 for integrated sensor options.

*One control module per 4' section or 40' maximum row.*

### Electrical

LED light engine — consisting of modular LED boards and 0-10V dimming driver — is rated for 60,000 hours (L80) 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. LM-79 tested. Individual sections meet FCC Part 15 requirements.

### Packaging

100% post-consumer recycled cardboard box and inserts. Biodegradable protective luminaire bag. Recycled kraft paper tape.

### Warranty

5-year limited warranty. Complete warranty terms located at [www.acuitybrands.com/CustomerResources/Terms\\_and\\_conditions.aspx](http://www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx)

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.

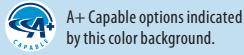
### A+ Capable Luminaire

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](http://www.acuitybrands.com/aplus).

\*See ordering tree for details



**MODEL NUMBER** Example: SQM4 LLP 16FT MSL8 80CRI 35K 1500LMF 500LMF DARK ZT 120 SCT F1/24A C110

Luminaire	Linear Length Plan	Total Run Length	Maximum Section Length	LED Color Rendering	LED Color Temperature	Indirect LED Output	Direct LED Output
SQM4	LLP	Linear longest possible	___FT <i>Indicate Luminaire Row Length in 4' increments. Ex: 12FT</i>	MSL4 4' Section(s) MSL8 8' Section(s)	80CRI 80+ CRI	1500LMF 500 nominal indirect lumens per foot 1900LMF 900 nominal indirect lumens per foot	400LMF 400 nominal direct lumens per foot 800LMF 800 nominal direct lumens per foot
	LSL	Longest same length			30K 3000K 35K 3500K 40K 4000K		

Minimum Dimming Level	Control Input	Voltage	Wiring Option	Emergency Options	Primary Sensor	Secondary Sensor
DARK Constant current, dimming to < 1%	ZT* 0-10V NLIGHT** nLight enabled DALI*** DALI <i>*0-10V will use linear dimming curve ** Will use logarithmic dimming curve ***Not available with sensors ***Will use logarithmic dimming curve</i>	120 120V 277 277V 347* 347V <i>*J-box mount step down transformer (1) per section</i>	SCT Single circuit DCT Dual circuit <i>For independent dimming of indirect and direct light outputs, choose DCT</i>	(Blank) None 1EC (1) Emergency circuit module 2EC (2) Emergency circuit module _EC ___ Emergency circuit modules <i>Emergency type is installed in last 4' of luminaire sections. Separate feed required.</i>	(blank) No factory-installed, integrated sensor PDT_ Dual technology occupancy sensor. PIR & microphonics sensor ADC_ Daylight Dimming Sensor APD_ Dual technology PDT and ADC sensor <i>*Available with ZT or nLight only</i>	(blank) No factory-installed, integrated sensor SPDT_ Dual technology occupancy sensor. PIR & microphonics sensor SADC_ Daylight Dimming Sensor SAPD_ Dual technology PDT and ADC sensor <i>*Available with ZT or nLight only</i>

Mounting Type/	Overall Suspension	Color	Options
F1/ T-bar ceiling (universal mounting bracket)	24A 24" adjustable 36A 36" adjustable 48A 48" adjustable	C032 Gloss white C100 Anodized aluminum	BLK* Black cord and canopy CSA Manufactured to Canadian Standards
F1A/ T-bar ceiling (UMB with integrated J-box)	72A 72" adjustable 96A 96" adjustable	C110 Painted aluminum	CP Chicago Plenum (available with F1A only)
F2/ Hard ceiling (horizontal J-box)	144A 144" adjustable 192A 192" adjustable 240A 240" adjustable <i>Measured from ceiling to bottom of luminaire.</i>	C201 Black (low gloss) C099 Custom color	ELH** Emergency through wiring w/single feed, shared neutral ELS2** Emergency through wiring w/single feed, separate neutrals GLR Fast blow <i>* Not available with NLIGHT ** Not available with CSA</i>
			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 SCEP Sculptured end cap SLP Sloped ceiling DU Dust cover

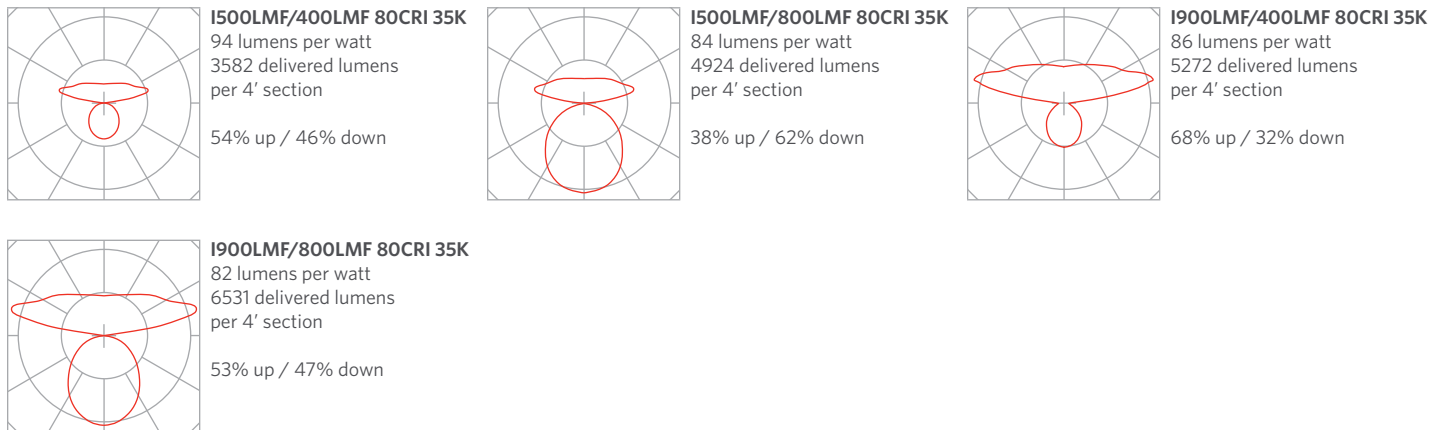


**MODEL NUMBER** Example: SQM4 QST LLP 8FT MSL4 80CRI 30K I500LMF 400LMF DARK ZT 120 SCT F1/24A C032

Luminaire	Linear Length Plan	Total Run Length	Maximum Section Length	LED Color Rendering	LED Color Temperature	
<b>SQM4 QST</b> QuickShip luminaires ship within 10 days.	<b>LLP</b> Linear longest possible	<b>_FT</b> Indicate luminaire row length in 4' increments. Ex: 12FT	<b>MSL4</b> 4' section(s) <b>MSL8</b> 8' section(s)	<b>80CRI</b> 80+ CRI	<b>30K</b> 3000K <b>35K</b> 3500K <b>40K</b> 4000K	
Indirect LED Output	Direct LED Output	Minimum Dimming Level	Control Input	Voltage	Wiring Option	Emergency Options
<b>I500LMF</b> 500 nominal lumens per foot <b>I900LMF</b> 900 nominal lumens per foot	<b>400LMF</b> 400 nominal direct lumens per foot <b>800LMF</b> 800 nominal direct lumens per foot	<b>DARK</b> Constant current, dimming to < 1%	<b>ZT*</b> 0-10V *0-10V will use linear dimming curve	<b>120</b> 120V <b>277</b> 277V	<b>SCT</b> Single circuit	<b>(blank)</b> None <b>1EC</b> (1) emergency circuit module <b>2EC</b> (2) emergency circuit modules <b>_EC</b> _ emergency circuit modules
Primary Sensor	Secondary Sensor	Mounting Type	Overall Suspension	Color	Options	
<b>(blank)</b> No factory-installed, integrated sensor <b>PDT_</b> Dual technology occupancy sensor. PIR & microphonics sensor <b>ADC_</b> Daylight Dimming Sensor <b>APD_</b> Dual technology PDT and ADC sensor	<b>(blank)</b> No factory-installed, integrated sensor <b>SPDT_</b> Dual technology occupancy sensor. PIR & microphonics sensor <b>SADC_</b> Daylight Dimming Sensor <b>SAPD_</b> Dual technology PDT and ADC sensor	<b>F1/</b> T-bar ceiling (universal mounting bracket) <b>F1A/</b> T-bar ceiling (UMB with integrated J-box) <b>F2/</b> Hard ceiling (horizontal J-box)	<b>12F</b> 12" fixed <b>18F</b> 18" fixed <b>24F</b> 24" fixed <b>24A</b> 24" adjustable <b>36A</b> 36" adjustable <b>48A</b> 48" adjustable <b>72A</b> 72" adjustable <b>96A</b> 96" adjustable <b>144A</b> 144" adjustable <b>192A</b> 192" adjustable <b>240A</b> 240" adjustable	<b>C032</b> Gloss white	<b>SCEP</b> Sculptured end caps <b>GLR</b> Fast blow <b>GMF</b> Slow blow <b>MCS</b> Matching canopy at support for aesthetics <b>MCSJ</b> Matching canopy for J-box mounting at non-power feed support locations <b>OJB</b> Offset J-box at feed <b>DU</b> Dust cover	

\*From date of order activation at factory. 500 ft. order limit. Emergency option limited to placement in the last 4' module of luminaire section. Hardware can be shipped in advance of luminaire shipment after 3 days of order activation. Ask your agent for details.

**PHOTOMETRICS**

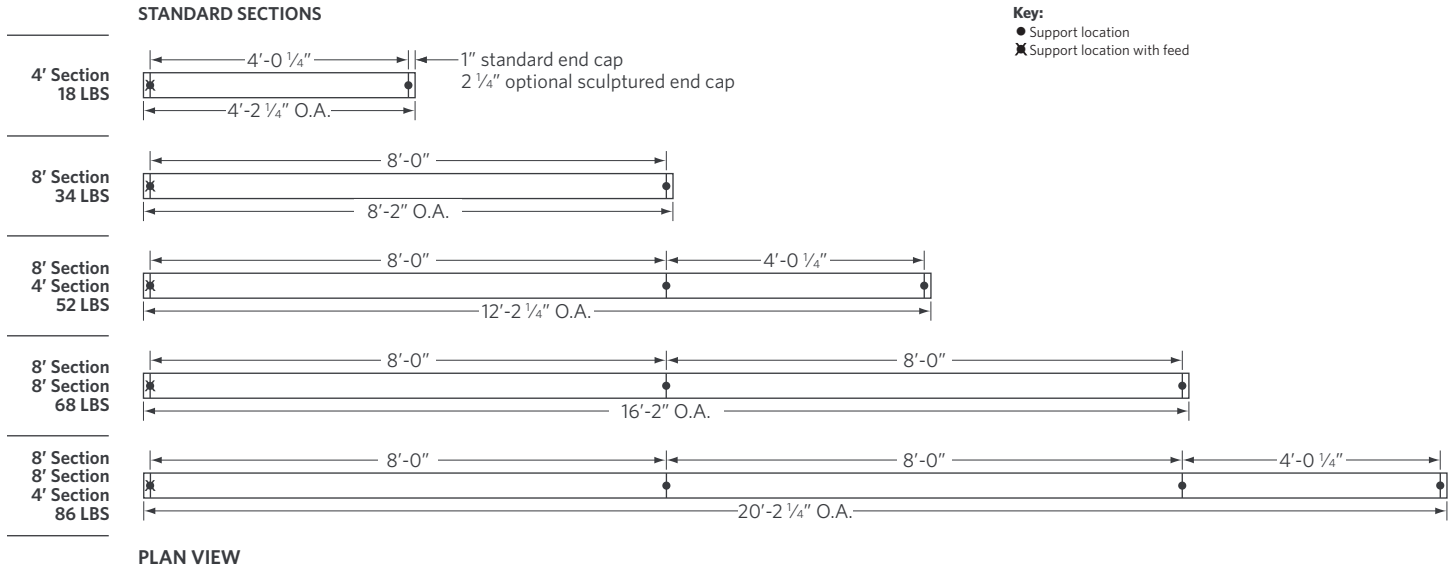


**CONFIGURATIONS**

Square can be configured with special mitered sections to provide seamless corner illumination where two luminaires join together. Reference [Pattern Connector Guide](#) for additional details.

**WEIGHTS & SUPPORT SPACING**

Suspension spacing equals section length. Default location shown. Consult factory for stem mounting suspension spacing and alternate locations.



**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
-----	-----	-----	-----	-----

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

**Mounting Type**

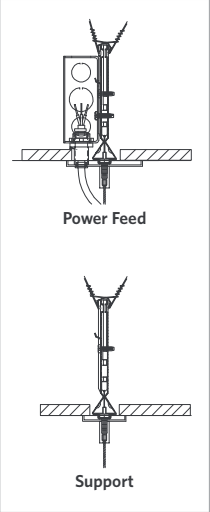
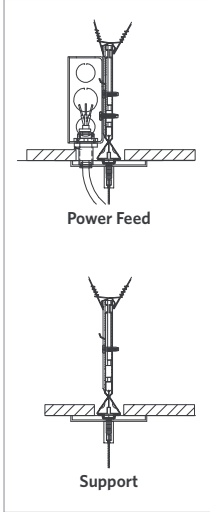
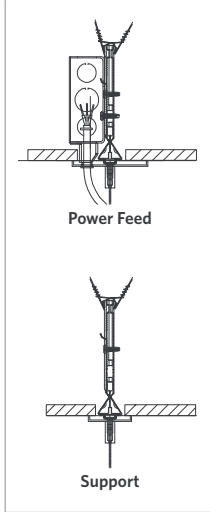
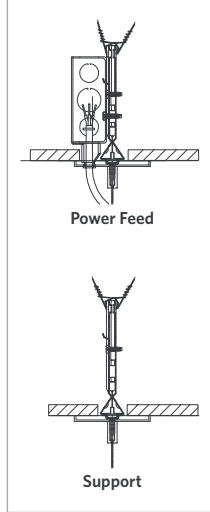
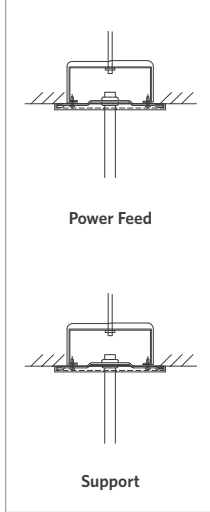
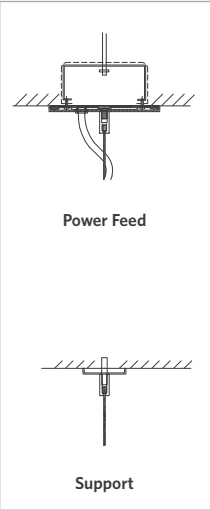
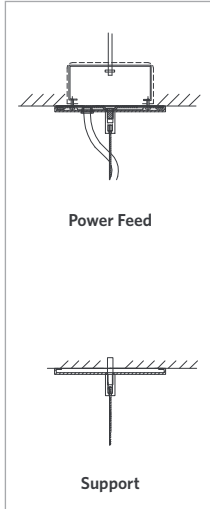
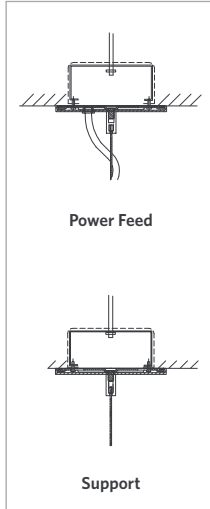
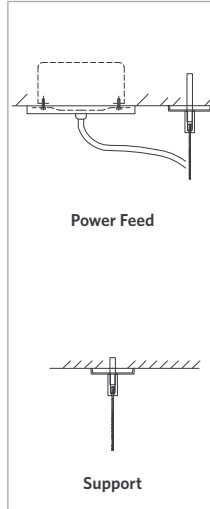
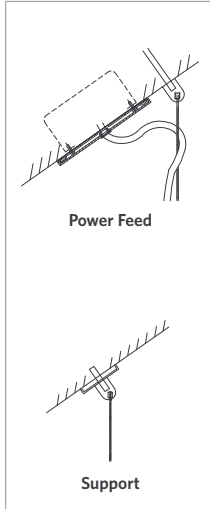
- F1/** For use with most T-Bar and screw slot grid ceilings. Designed for on-grid and off-grid applications.
- F2/** For use with recessed or surface mount horizontal J-box applications.
- F3/** Stem mounting for use with recessed or surface mount horizontal J-box applications. *Check with local jurisdiction 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 [PeerlessLighting.com/MountingOptions](http://PeerlessLighting.com/MountingOptions)

Indicates mounting options available with this luminaire.

<input checked="" type="checkbox"/> <b>F1/</b>	<input checked="" type="checkbox"/> <b>F1/MCS</b>	<input checked="" type="checkbox"/> <b>F1A/</b>	<input checked="" type="checkbox"/> <b>F1A/MCS</b>	<input type="checkbox"/> <b>F3/</b>
 <p>Power Feed</p> <p>Support</p>	 <p>Power Feed</p> <p>Support</p>	 <p>Power Feed</p> <p>Support</p>	 <p>Power Feed</p> <p>Support</p>	 <p>Power Feed</p> <p>Support</p>
<input checked="" type="checkbox"/> <b>F2/</b>	<input checked="" type="checkbox"/> <b>F2/MCS</b>	<input checked="" type="checkbox"/> <b>F2/MCSJ</b>	<input checked="" type="checkbox"/> <b>F2/OJB</b>	<input checked="" type="checkbox"/> <b>F2/SLP OJB</b>
 <p>Power Feed</p> <p>Support</p>	 <p>Power Feed</p> <p>Support</p>	 <p>Power Feed</p> <p>Support</p>	 <p>Power Feed</p> <p>Support</p>	 <p>Power Feed</p> <p>Support</p>

For more information about sensor and networking options, download the controls guide at [PeerlessLighting.com/ControlsGuide](http://PeerlessLighting.com/ControlsGuide)

**INTEGRATED SENSOR OPTIONS**

Control Input	Integrated Sensor	Daylight Dimming	Occupancy Detection	nLight Wired Networking	nLight Wireless Networking	Link to Spec Sheet
NLIGHT	ADC	X		X		<a href="#">nES-ADCX</a>
NLIGHT	PDT		X	X		<a href="#">nES-7</a>
NLIGHT	APD	X	X	X		<a href="#">nES-7</a>
ZT	ADC	X				<a href="#">nES-ADCX</a>
ZT	PDT		X			<a href="#">nES-7</a>
ZT	APD	X	X			<a href="#">nES-7</a>

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@PeerlessLighting.com](mailto:TechSupport@PeerlessLighting.com).



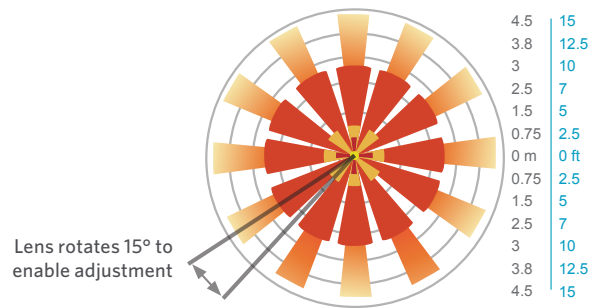
**OCCUPANCY DETECTION COVERAGE**

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**



nPODM DX WH    nPODM 2P DX WH    nPODM 4P DX WH

[SensorSwitch.com/DataSheets/nPODM.pdf](http://SensorSwitch.com/DataSheets/nPODM.pdf)



nPODM 2L WH

[SensorSwitch.com/DataSheets/nPODM-xL.pdf](http://SensorSwitch.com/DataSheets/nPODM-xL.pdf)



nPOD GFX WH

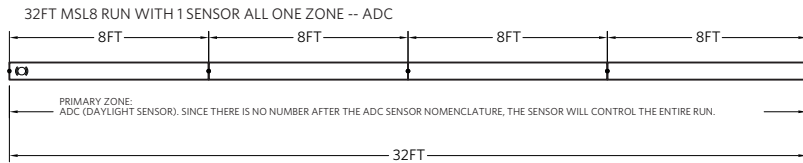
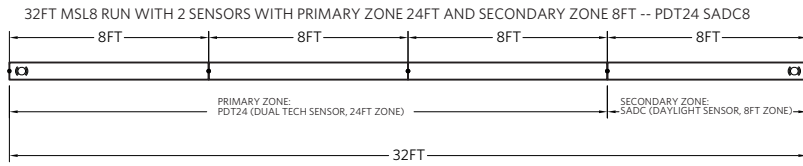
[SensorSwitch.com/DataSheets/nPOD-GFX.pdf](http://SensorSwitch.com/DataSheets/nPOD-GFX.pdf)

**eldoLED COMPATIBILITY** Additional control options with eldoLED 0-10V driver(s).

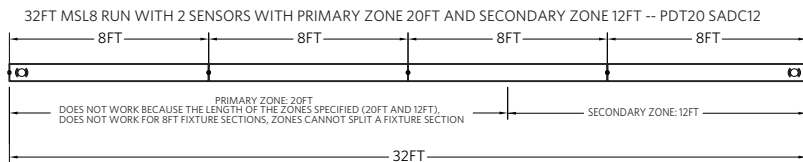
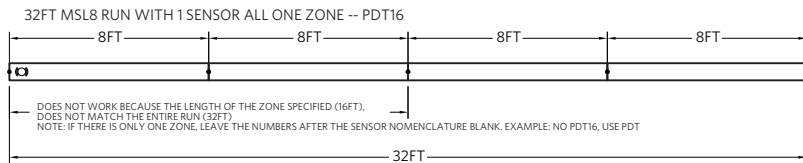
[PeerlessLighting.com/eldoLED-compatibility](http://PeerlessLighting.com/eldoLED-compatibility)

**INTEGRATED SENSOR LAYOUT**

**CORRECT:**



**INCORRECT:**



**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