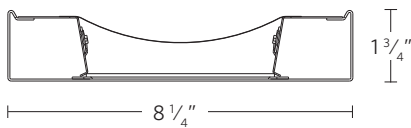
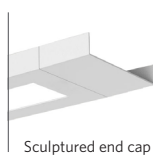
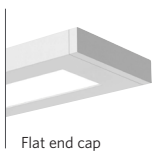


DIMENSIONS

□ **BRM9L**



DETAILS



COMPANION LUMINAIRE(S)



CUSTOMIZATION

Ask us about the following possibilities: Higher lumen outputs up to 6800 lumens, 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', 8' and 12' sections
- Up to 116 lm/W
- Eight distributions available (see page 2)
- Softshine[®]-engineered comfort optics
- Enhanced batwing distribution through optical film
- Flicker-free dimming to dark (0.1%) powered by eldoLED[®] driver
- Integrated nLight[®] for system networking wired and wireless (optional)
- Integrated sensor for daylight dimming and/or occupancy detection (optional)
- Flat or sculptured end caps
- White, black, aluminum or custom color
- QuickShip option available

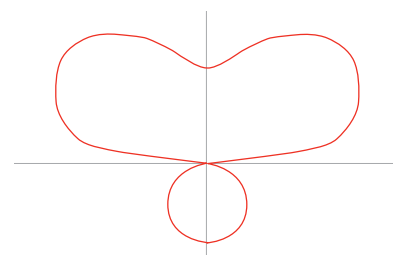


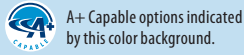
LUMEN PACKAGES Based on standard distribution (70/30) at 3500K. Additional distributions and color temperatures available.

35K @ 70/30	ID800LMF	ID1000LMF	ID1300LMF	ID1500LMF
Delivered Lumens (per 4' section)	3390.5 lms	4346.3 lms	5232 lms	6384 lms
Input Watts Per Foot	6W	8W	10W	12W
Lumens Per Watt	140 lm/W	138 lm/W	135 lm/W	130 lm/W

STANDARD DISTRIBUTION

70% Up | 30% Down





MODEL NUMBER Example: BRM9L 16FT MSL8 80CRI 35K ID1300LMF 20/80 DARK ZT 120 SCT F1/24F C110

Luminaire	Linear Length Plan	Total Run Length	Maximum Section Length	LED Color Rendering	LED Color Temperature	Indirect/Direct LED Output	Indirect/Direct Intensity Ratio
BRM9L	LLP Linear longest possible	__FT	MSL4 4' section(s)	80CRI 80+ CRI	30K 3000K	ID800LMF 800 nominal lumens per foot	70/30 Std. 70% up; 30% down
		Indicate luminaire row length in 4' increments. Ex: 12FT	MSL8 8' section(s)	90CRI 90+ CRI	35K 3500K		60/40 60% up; 40% down
	LSL Longest same length		MSL12 12' section(s)		40K 4000K	ID1000LMF 1000 nominal lumens per foot	50/50 50% up; 50% down
			*12' section is not available with nLight Air		50K 5000K		40/60 40% up; 60% down
LCB Linear center balanced					ID1300LMF 1300 nominal lumens per foot	30/70 30% up; 70% down	
					ID1500LMF 1500 nominal lumens per foot	20/80 20% up; 80% down	10/90 10% up; 90% down
							0/100 0% up; 100% down

*Nominal distribution. Refer to photometric tests for exact distribution.

Minimum Dimming Level	Control Input	Wireless System Capability*	Voltage	Wiring Option	Emergency Options
DARK Constant current, dimming to < 1%	ZT* 0-10V	(blank) None	120 120V	SCT Single circuit	(Blank) None
MINI Constant current, dimming to 1%	NLIGHT** nLight enabled	ZONE Zonal Configuration	277 277V		1EC (1) emergency circuit module
	DALI*** DALI enabled	NETW Networked Configuration	347* 347V		2EC (2) emergency circuit module
	NLTAIR** nLight AIR enables	*Must select value if NLTAIR is selected in Control Input category	*J-box mount step down transformer (1) per section	_EC ___ emergency circuit modules	
	*0-10V will use linear dimming curve			_E7W ___ 7-watt emergency battery pack (575 Lumens)	
	**Will use Logarithmic dimming curve			_EN7W ___ 7-watt emergency battery pack (575 Lumens) - night light circuit	
	*** Not available with sensors			*Emergency type is installed in last 4' of luminaire sections. Separate feed required.	
	*** Will use Logarithmic dimming curve			**E7W and EN7W battery pack are not available with CSA	

Primary Sensor	Secondary Sensor	Mounting Type/	Overall Suspension
(blank) No factory-installed, integrated sensor	(blank) No factory-installed, integrated sensor	F1/ T-bar ceiling (universal mounting bracket)	12F 12" fixed
PDT_ Dual technology occupancy sensor. PIR & microphonics sensor	SPDT_ Dual technology occupancy sensor. PIR & microphonics sensor	F1A/ T-bar ceiling (UMB with integrated J-box)	18F 18" fixed
ADC_ Daylight Dimming Sensor	SADC_ Daylight Dimming Sensor	F2/ Hard ceiling (horizontal J-box)	24F 24" fixed
APD_ Dual technology occupancy sensor and daylight dimming sensor	SAPD_ Dual technology occupancy sensor and daylight dimming sensor		24A 24" adjustable
API_* Passive infrared occupancy sensor and daylight dimming sensor	SAPI_* Passive infrared occupancy sensor and daylight dimming sensor		36A 36" adjustable
*Available with NLTAIR only	*Available with NLTAIR only		48A 48" adjustable
			72A 72" adjustable
			96A 96" adjustable
			144A 144" adjustable
			*Measured from ceiling to bottom of luminaire.

Color	Options	
C110 Painted aluminum (low gloss)	BLK*** Black cord, cord manager and canopy	GLR Fast blow
C210 White white (fine textured)	CSA Manufactured to Canadian standards	GMF Slow blow
C202 Black (fine textured)	CP Chicago Plenum (available with F1A only)	MCS Matching canopy at support for aesthetics
C099 Custom color	DU* Dust cover	MCSJ Matching canopy for J-box mounting at non-power feed support locations
	ELH** Emergency through wiring w/single feed, shared neutral	OJB Offset J-box at feed
	ELS2** Emergency through wiring w/single feed, separate neutrals	SCEP Sculptured end caps
	*Not available with 0/100 distribution	SLP Sloped ceiling
	**Not available with CSA	USPOM US point of assembly
	***Not available with nLight	



MODEL NUMBER Example: BRM9L QST LLP 8FT MSL4 80CRI 30K ID800LMF 20/80 DARK ZT 120 SCT F1/24A C210

Luminaire	Linear Length Plan	Total Run Length	Maximum Section Length	LED Color Rendering	LED Color Temperature	
BRM9L QST <i>QuickShip luminaires ship within 10 days.</i>	LLP Linear longest possible	_FT <i>Indicate luminaire row length in 4' increments. Ex: 12FT</i>	MSL4 4' section(s) MSL8 8' section(s) MSL12 12' section(s)	80CRI 80+ CRI	30K 3000K 35K 3500K 40K 4000K 50K 5000K	
Indirect/Direct LED Output	Indirect/Direct Intensity Ratio	Minimum Dimming Level	Control Input	Voltage	Wiring Option	Emergency Options
ID800LMF 800 nominal lumens per foot ID1000LMF 1000 nominal lumens per foot ID1300LMF 1300 nominal lumens per foot ID1500LMF 1500 nominal lumens per foot	70/30 70% up; 30% down (STD) 20/80 20% up; 80% down 0/100 0% up; 100% down	DARK Constant current, dimming to <1% MIN1 Constant current, dimming to 1%	ZT* 0-10V <i>*0-10V will use linear dimming curve</i>	120 120V 277 277V	SCT Single circuit	(blank) None 1EC (1) emergency circuit module 2EC (2) emergency circuit modules _EC ___ emergency circuit modules
Primary Sensor	Mounting Type	Overall Suspension	Color	Options		
(blank) No factory-installed, integrated sensor PDT Dual technology occupancy sensor. PIR & microphonics sensor ADC Daylight Dimming Sensor APD Dual technology occupancy sensor and daylight dimming sensor	F1/ T-bar ceiling (universal mounting bracket) F1A/ T-bar ceiling (UMB with integrated J-box) F2/ Hard ceiling (horizontal J-box)	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	C210 White white (fine textured)	SCEP Sculptured end caps GLR Fast blow GMF Slow blow CP Chicago plenum (available with F1A only) 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 USPOM US point of manufacturing		

*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.

SPECIFICATIONS

Housing

Nominal 8 3/4" x 1 3/4" rectangular housing is formed from cold-rolled steel.

End Caps

Die-cast 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 white, black or painted aluminum. Consult factory for custom colors.

Luminaire Length

4', 8' or 12' lengths in a single section. Using internal joiners, 4' and 8' sections can be joined to form longer rows. For total luminaire length, add 5/8" for each flat end cap and 4" for each sculptured end cap. Using internal joiners, 4' and 8' sections can be joined to form longer rows.

Source

Two LED lumen packages and three available color temperature options (3000K, 3500K, 4000K and 5000K) — all within 2.5 MacAdam ellipses.

Optics

Softshine® optical system consists of high performance lens, diffusers and metal reflectors.

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/566L

For DALI driver details go to: PeerlessLighting.com/560L

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.

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 5 for integrated sensor options.

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

Electrical

LED light engine — consisting of modular LED boards and eldoLED® 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. Lighting Facts partner.

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

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

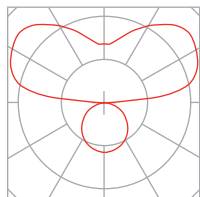
This item is an A+ capable luminaire, which has been designed and tested to provide consistent color appearance and out-of-the-box control compatibility with simple commissioning.

- 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.

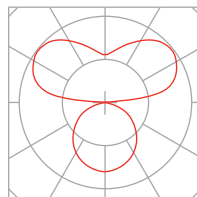
*See ordering tree for details

PHOTOMETRICS



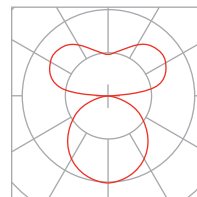
ID1000LMF 70/30 80CRI 35K
70% up/30% down
4346 delivered lumens per 4' section

138 lm/W



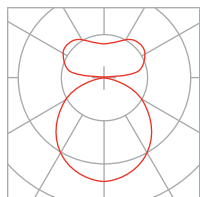
ID1000LMF 60/40 80CRI 35K
60% up/40% down
4185 delivered lumens per 4' section

133 lm/W



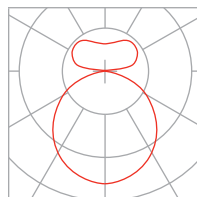
ID1000LMF 50/50 80CRI 35K
50% up/50% down
4047 delivered lumens per 4' section

128 lm/W



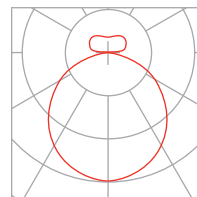
ID1000LMF 40/60 80CRI 35K
40% up/ 60% down
3579 delivered lumens per 4' section

113 lm/W



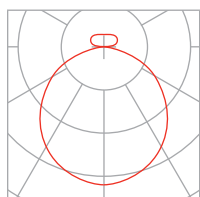
ID1000LMF 30/70 80CRI 35K
30% up/ 70% down
3842 delivered lumens per 4' section

122 lm/W



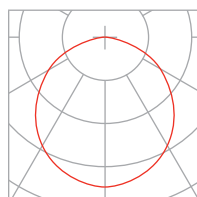
ID1000LMF 20/80 80CRI 35K
20% up/ 80% down
3675 delivered lumens per 4' section

117 lm/W



ID1000LMF 10/90 80CRI 35K
10% up/ 90% down
3550 delivered lumens per 4' section

112 lm/W



ID1000LMF 0/100 80CRI 35K
0% up/ 100% down
3170 delivered lumens per 4' section

100 lm/W

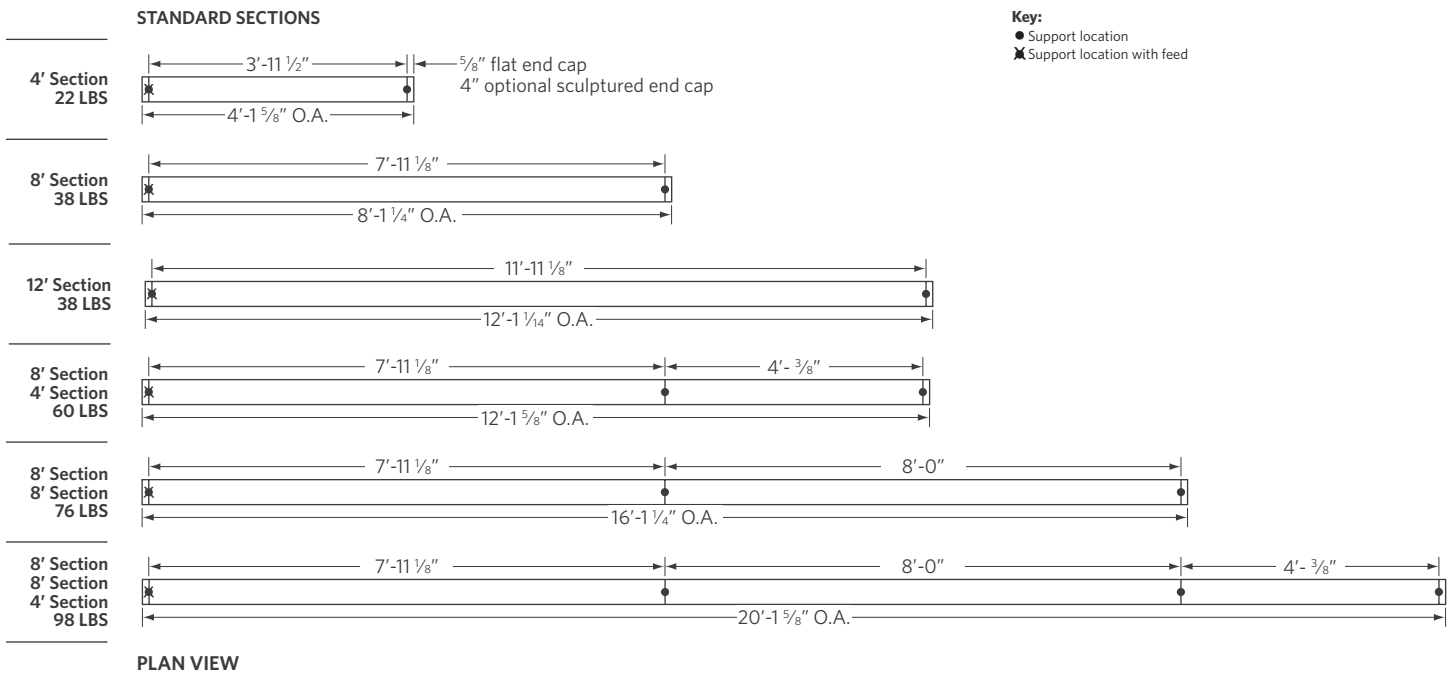
CONFIGURATIONS



Tenon "L", "T", "X" and straight connectors available for suspended configurations. 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
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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 1, 12 FT segment and 1, 8 FT segment at the end of the run.

LLP	12 FT	8 FT
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LCB- Linear Center Balanced:

This configuration incorporates the longest center segment(s) along with any additional lengths required to fill the run length, added to the run ends. Example: 20 FT run would have 2, 4 FT segments (one at each end) and 1, 12 FT segment in the center.

LCB	4 FT	12 FT	4 FT
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MOST COMMON MOUNTING TYPES AND OPTIONS Options available for this specific luminaire are checked in the boxes below.

Mounting Type

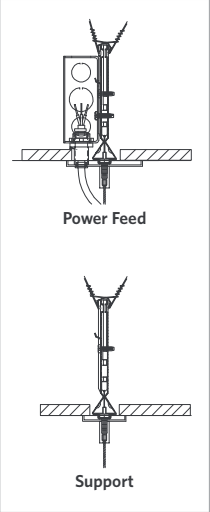
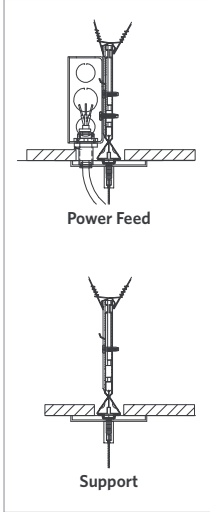
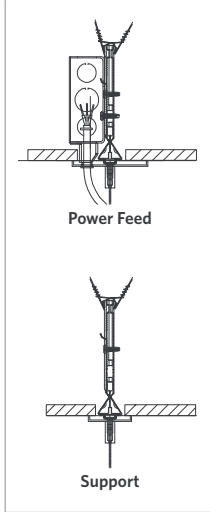
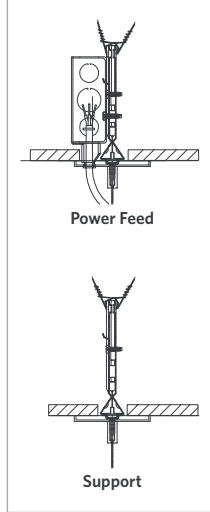
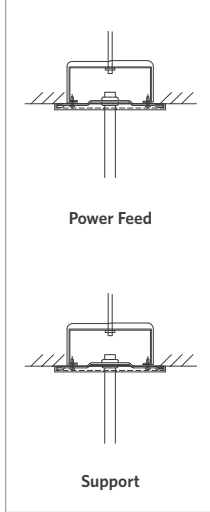
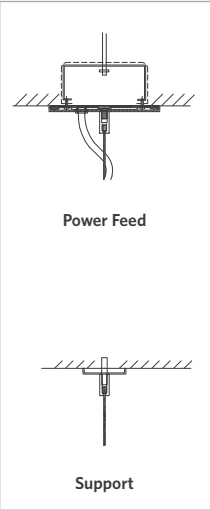
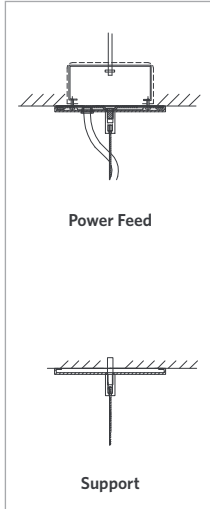
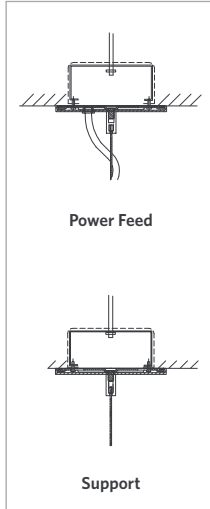
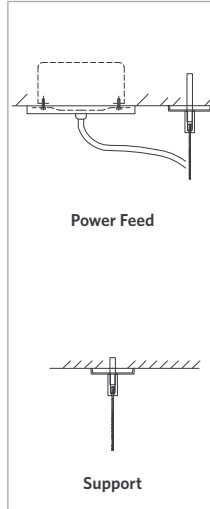
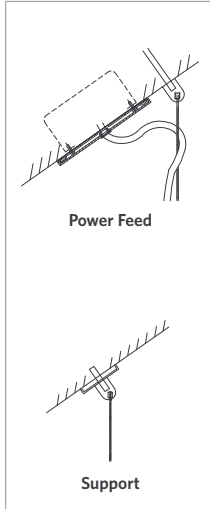
- F1/** For use with most T-Bar and screw slot grid ceilings. Designed for on-grid and off-grid applications.
- F2/** For use with recessed or surface mount horizontal J-box applications.
- F3/** Stem mounting for use with recessed or surface mount horizontal J-box applications. *Check with local jurisdiction 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

Indicates mounting options available with this luminaire.

<input checked="" type="checkbox"/> F1/	<input checked="" type="checkbox"/> F1/MCS	<input checked="" type="checkbox"/> F1A/	<input checked="" type="checkbox"/> F1A/MCS	<input type="checkbox"/> F3/
 <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"/> F2/	<input checked="" type="checkbox"/> F2/MCS	<input checked="" type="checkbox"/> F2/MCSJ	<input checked="" type="checkbox"/> F2/OJB	<input checked="" type="checkbox"/> F2/SLP OJB
 <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

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		https://www.acuitybrands.com/products/detail/147312/nLight/nES-ADCX/Dimming-Photocell-Embedded-Low-Volt-/media/products/nLight/147312/document/nES_ADCX-Form_pdf.pdf
NLIGHT	PDT		X	X		https://www.acuitybrands.com/products/detail/147187/nLight/nES-7-Family/Micro-360176-Embedded-Low-Volt-PIR-/media/products/nLight/147187/document/nes_7-Form_pdf.pdf
NLIGHT	APD	X	X	X		https://www.acuitybrands.com/products/detail/147187/nLight/nES-7-Family/Micro-360176-Embedded-Low-Volt-PIR-/media/products/nLight/147187/document/nes_7-Form_pdf.pdf
ZT	ADC	X				https://www.acuitybrands.com/products/detail/147312/nLight/nES-ADCX/Dimming-Photocell-Embedded-Low-Volt-/media/products/nLight/147312/document/nES_ADCX-Form_pdf.pdf
ZT	PDT		X			https://www.acuitybrands.com/products/detail/147187/nLight/nES-7-Family/Micro-360176-Embedded-Low-Volt-PIR-/media/products/nLight/147187/document/nes_7-Form_pdf.pdf
ZT	APD	X	X			https://www.acuitybrands.com/products/detail/147187/nLight/nES-7-Family/Micro-360176-Embedded-Low-Volt-PIR-/media/products/nLight/147187/document/nes_7-Form_pdf.pdf
NLTAIR	API	X	X		X	https://www.acuitybrands.com/products/detail/593899/Sensor-Switch/RES7-Sensor/nLight-AIR-Fixture-Integrated-Wireless-Sensor-/media/products/Sensor-Switch/593899/document/RES7_pdf.pdf



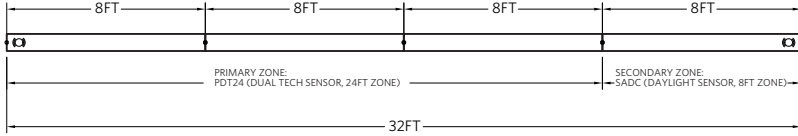
Daylight harvesting deactivated by default and field programmed per sequence of operations.

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.

INTEGRATED SENSOR LAYOUT

CORRECT:

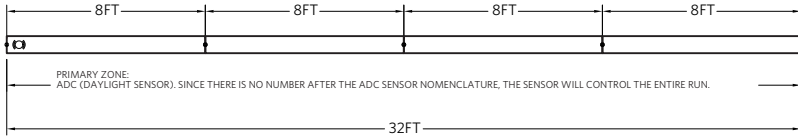
32FT MSL8 RUN WITH 2 SENSORS WITH PRIMARY ZONE 24FT AND SECONDARY ZONE 8FT -- PDT24 SADC8



Notes:

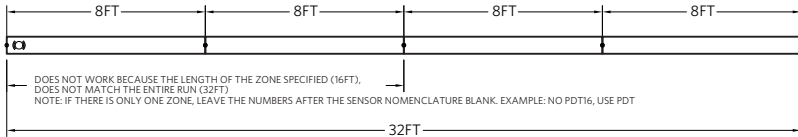
- Only one sensor per zone
- At the most, the entire run can only have 2 sensors (thus 2 sensors zones at the most)
- Sensor zone can not split fixture sections
- No overlapping zones

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

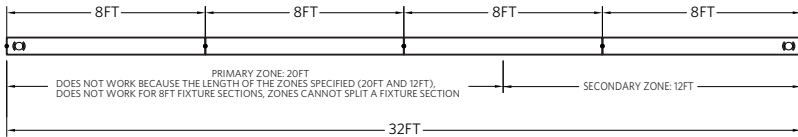


INCORRECT:

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



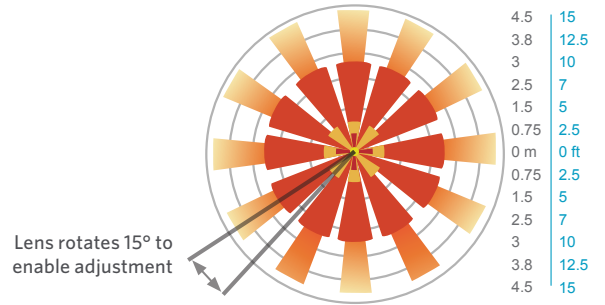
OCCUPANCY DETECTION COVERAGE

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



SensorSwitch.com/DataSheets/nPODM.pdf

<http://www.acuitybrands.com/products/detail/593897/Sensor-Switch/RPODB-Switch/nLight-AIR-Wireless-Wall-Switch/specification-sheets>

SensorSwitch.com/DataSheets/nPODM-xL.pdf

SensorSwitch.com/DataSheets/nPOD-GFX.pdf

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

PeerlessLighting.com/eldoLED-compatibility