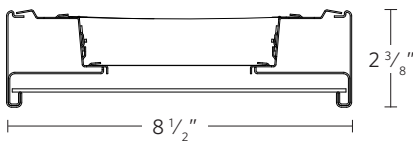


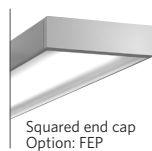
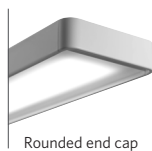


DIMENSIONS

□ SPM9L



DETAILS



COMPANION LUMINAIRE(S)



CUSTOMIZATION

Ask us about the following possibilities: Higher lumen outputs up to 6500 lumens, section lengths in 2' increments, alternate distributions, alternate voltages, additional mounting options, custom colors, higher CRI and R9 values and other modifications.

HIGHLIGHTS

- Peerless 360° Total System Integration features 5-year limited warranty by Acuity Brands covering all components and construction
- 4', 8' and 12' sections
- Up to 120 lm/W
- Seven 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[®]
- Integrated sensor for daylight dimming and/or occupancy detection (optional)
- Rounded or squared end caps
- White, black, painted aluminum or custom color
- LED Lighting Facts[®] partner; DesignLights Consortium[®] qualified

DLC qualification may be limited to specific model configurations. Please search DesignLights.org/QPL by keyword "Peerless" to confirm whether or not a specific model number qualifies.

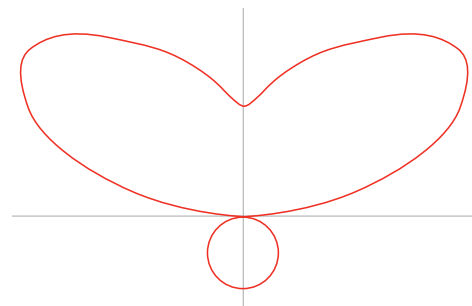


LUMEN PACKAGES

Indirect/Direct LED Output	ID800LMF	ID800LMF	ID800LMF	ID1100LMF	ID1100LMF	ID1100LMF
Color Temperature	3000K	3500K	4000K	3000K	3500K	4000K
Delivered Lumens Per Foot	778	827	868	1054	1120	1176
Input Watts Per Foot	7.3	7.3	7.3	10.3	10.3	10.3
Lumens Per Watt	107	114	120	103	109	115

STANDARD DISTRIBUTION

80% Up | 20% Down



SPECIFICATIONS

Housing
Nominal 8 1/2" x 2 3/8" rectangular housing is formed from cold-rolled steel.

End Caps
Die-cast aluminum end caps are mechanically attached with no exposed fasteners. Rounded end caps standard. For squared end caps, choose option FEP.

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

Luminaire Length
4', 8' and 12" lengths in a single section for nominal suspension spacing of 4', 8' and 12'. For total length, add 1 1/8" for each rounded end cap and 5/8" for each squared end cap. Using internal joiners, 4', 8' and 12' sections can be joined to form longer rows.

Installation Features
To order individual units with end caps and power cords pre-installed and hanging hardware included in the luminaire packaging, choose option IND. Y-hangers with adjustable cables standard.

Source
Two 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 high performance film, 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/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 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 0-10V dimming driver — is rated for 50,000 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
Ambient operating temperature between -20° C and 35° C. Suitable for damp location.

Validation
CSA/CUS listed. LM-79 tested. Individual sections meet FCC Part 15 requirements. Lighting Facts partner. Design Lights Consortium qualified.

DLC qualification may be limited to specific model configurations. Please search DesignLights.org/QPL by keyword "Peerless" to confirm whether or not a specific model number qualifies.

Packaging
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.

MODEL NUMBER Example: SPM9L16FTMSL8 80CRI35KID800LMF80/20DARKZT120SCTFI/24AC032

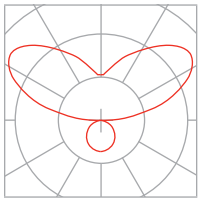
Luminaire	Linear Length Plan	Total Run Length	Maximum Section Length	LED Color Rendering	LED Color Temperature	Indirect/Direct LED Output	Indirect/Direct Intensity Ratio
SPM9L	LLP	Linear longest possible	MSL4 4' section(s) MSL8 8' section(s) MSL12 12' section(s)	80CRI 80+ CRI	30K 3000K 35K 3500K 40K 4000K	ID800LMF 800 nominal lumens per foot ID1100LMF 1100 nominal lumens per foot	80/20 Std. 80% up; 20% down 60/40 60%up; 40% down 50/50 50%up; 50% down 40/60 40%up; 60% down 30/70 30%up; 70% down 20/80 20%up; 80% down 0/100 0%up; 100% down
	LCB	Linear center balanced					
	LSL	Longest same length					

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

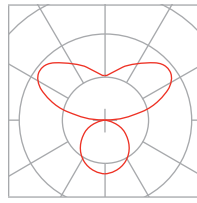
Minimum Dimming Level	Control Input	Voltage	Wiring Option	Emergency Options	Primary Sensor	Secondary Sensor
DARK Constant current, dimming to < 1%	ZT* 0-10V nLIGHT** nLight enabled DALI*** DALI enabled	120 120V 277 277V	SCT Single circuit	(Blank) None 1EC (1) emergency circuit module 2EC (2) emergency circuit module _EC ___ emergency circuit modules	(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	(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
	*0-10V will use linear dimming curve **Will use logarithmic dimming curve ***Not available with sensors ***Will use logarithmic dimming curve			*Emergency type is installed in last 4' of luminaire sections. Separate feed required.	*Available with ZT or nLight only	*Available with ZT or nLight only

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 C111 Painted aluminum (low gloss)	BLK* Black cord, cord manager and canopy CSA Manufactured to Canadian Standards CP Chicago Plenum (available with F1A only)
F1A/ T-bar ceiling (UMB with integrated J-box)	72A 72" adjustable 96A 96" adjustable	C201 Black (low gloss)	DU Dust cover FEP Squared end caps GLR Fast blow GMF Slow blow MCS Matching canopy at support for aesthetics
F2/ Hard ceiling (horizontal J-box)	144A 144" adjustable 192A 192" adjustable 240A 240" adjustable	C099 Custom color	MCSJ Matching canopy for J-box mounting at non-power feed support locations OJB Offset J-box at feed IND Individual luminaire (factory installed end caps and power cord; hanging hardware in box) ELH** Emergency through wiring w/single feed shared neutral ELS2** Emergency through wiring w/single feed separate neutrals
	*Measured from ceiling to bottom of luminaire.		*Not available with nLight **Not available with CSA

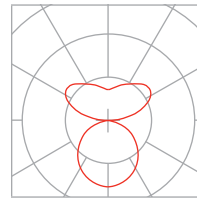
PHOTOMETRICS



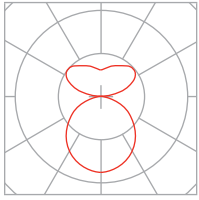
ID1100LMF 80/20 80CRI 30K
103 lm/W
4215 delivered lumens per 4' section
81% up / 19% down



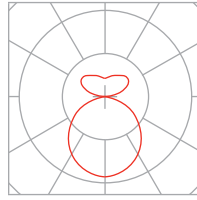
ID1100LMF 60/40 80CRI 30K
88 lm/W
3606 delivered lumens per 4' section
65% up / 35% down



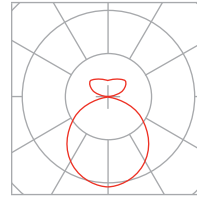
ID1100LMF 50/50 80CRI 30K
76 lm/W
3131 delivered lumens per 4' section
50% up / 50% down



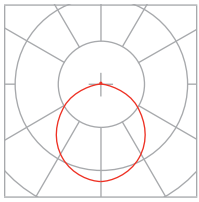
ID1100LMF 40/60 80CRI 30K
75 lm/W
3072 delivered lumens per 4' section
42% up / 58% down



ID1100LMF 30/70 80CRI 30K
67 lm/W
2760 delivered lumens per 4' section
32% up / 68% down



ID1100LMF 20/80 80CRI 30K
68 lm/W
2768 delivered lumens per 4' section
25% up / 75% down

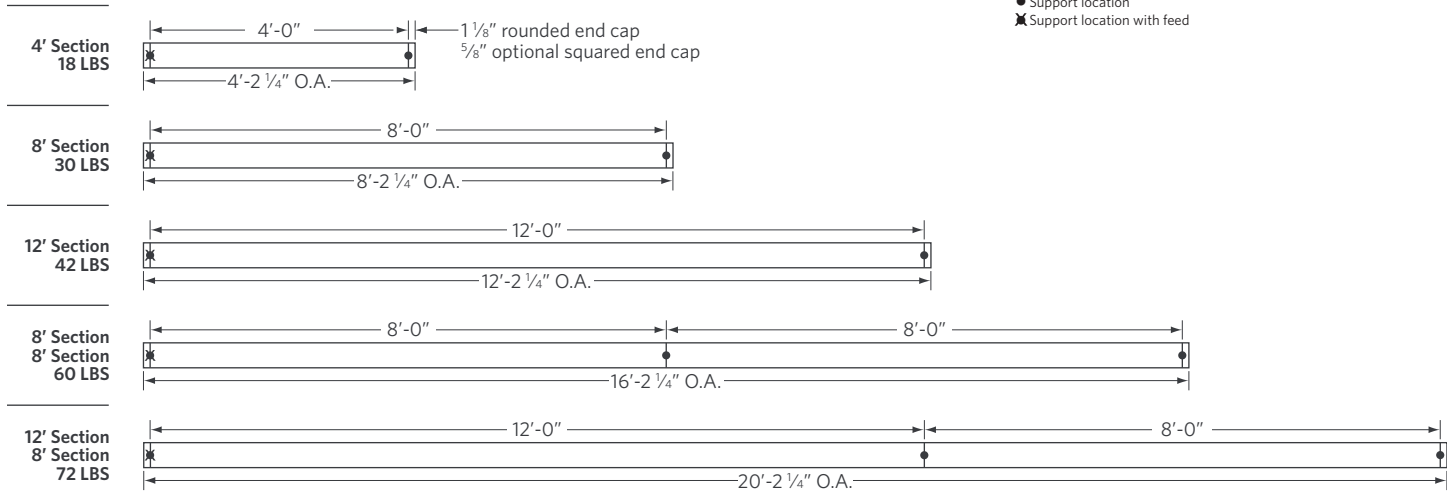


ID1100LMF 0/100 80CRI 30K
56 lm/W
2291 delivered lumens per 4' section
2% up / 98% down

WEIGHTS & SUPPORT SPACING

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

STANDARD SECTIONS



PLAN VIEW

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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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, 8 FT segment in the center.

LCB	4 FT	8 FT	4 FT
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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	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

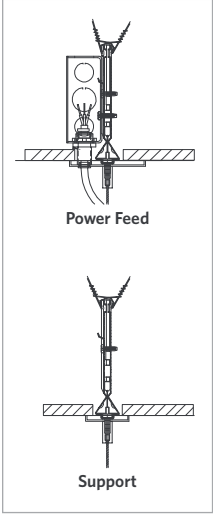
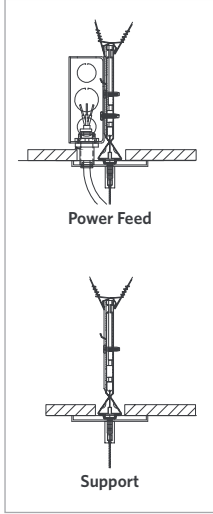
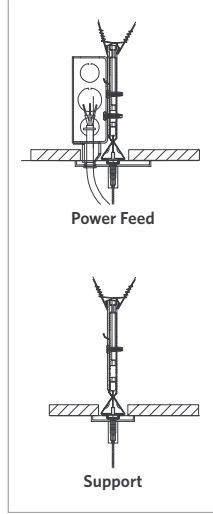
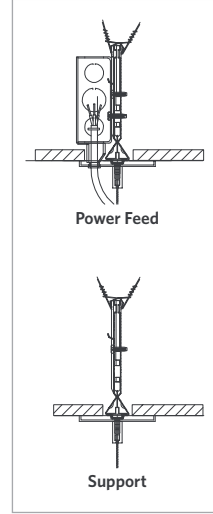
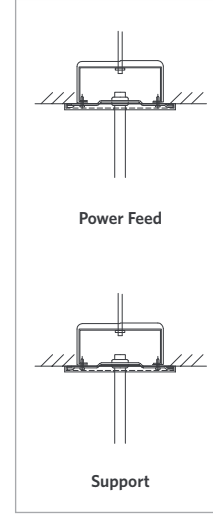
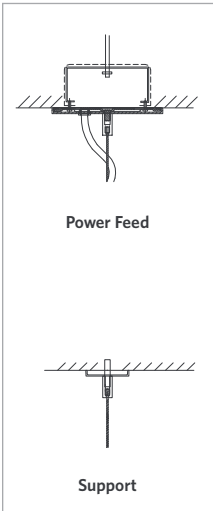
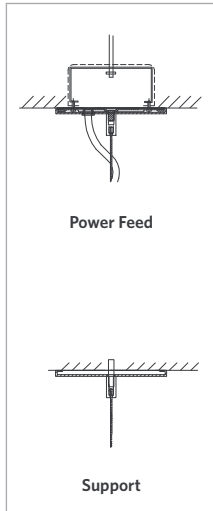
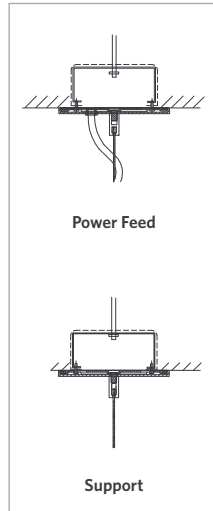
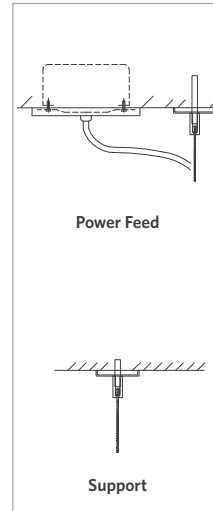
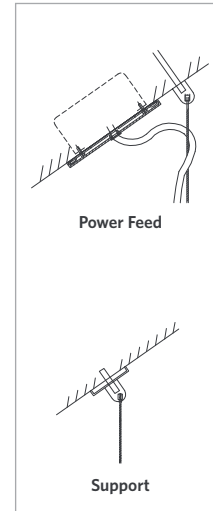
- F1/** For use with most T-Bar and screw slot grid ceilings. Designed for on-grid and off-grid applications.
- F2/** For use with recessed or surface mount horizontal J-box applications.
- F3/** Stem mounting for use with recessed or surface mount horizontal J-box applications. *Check with local jurisdiction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

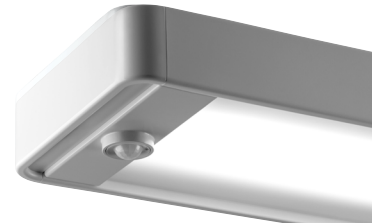
Indicates mounting options available with this luminaire.

<p><input checked="" type="checkbox"/> F1/</p> 	<p><input checked="" type="checkbox"/> F1/MCS</p> 	<p><input checked="" type="checkbox"/> F1A/</p> 	<p><input checked="" type="checkbox"/> F1A/MCS</p> 	<p><input checked="" type="checkbox"/> F3/</p> 
<p><input checked="" type="checkbox"/> F2/</p> 	<p><input checked="" type="checkbox"/> F2/MCS</p> 	<p><input checked="" type="checkbox"/> F2/MCSJ</p> 	<p><input checked="" type="checkbox"/> F2/OJB</p> 	<p><input checked="" type="checkbox"/> F2/SLP OJB</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	Daylight Dimming and/or Occupancy Detection	nLight Wired Networking	Link to Spec Sheet
NLIGHT	ADC	X		X	nES-ADCX
NLIGHT	PDT		X	X	nES-7
ZT	ADC	X			nES-ADCX
ZT	PDT		X		nES-7



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.

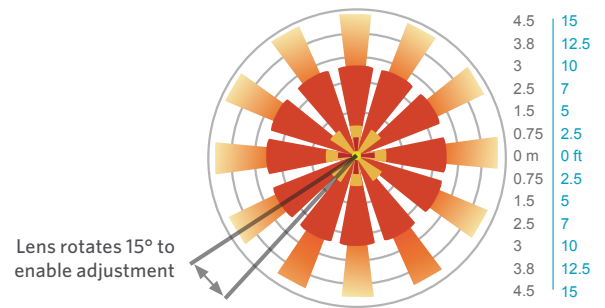
OCCUPANCY DETECTION COVERAGE

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



nES ADCX



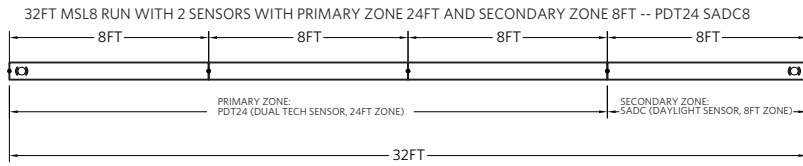
nES PDT 7

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

PeerlessLighting.com/eldoLED-compatibility

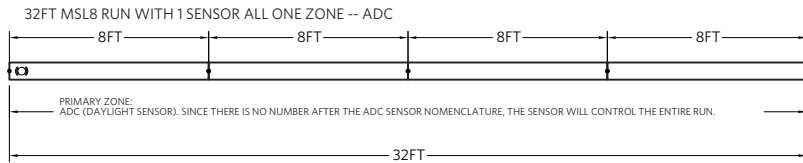
INTEGRATED SENSOR LAYOUT

CORRECT:



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



INCORRECT:

