Peerless® Lighting for People®

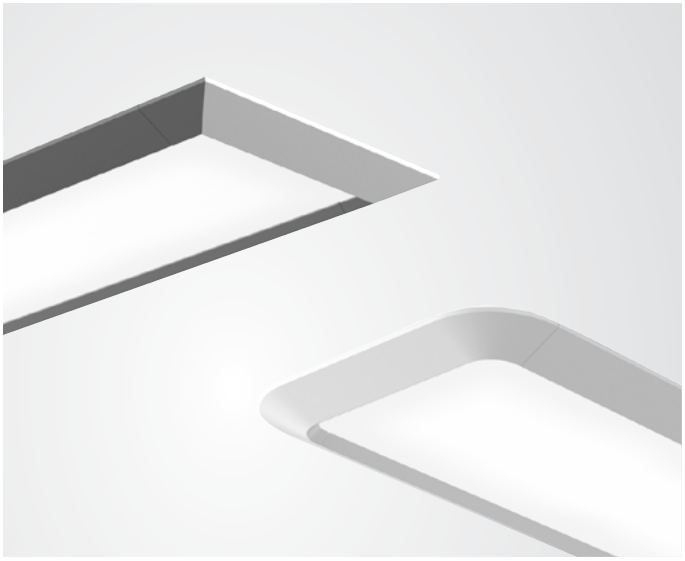
Vellum LED

VMM9 | LED | I/D or Direct | Suspended

SPECIFICATIONS

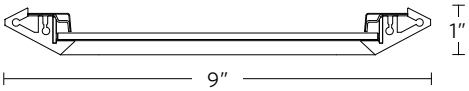
Type:

Project:

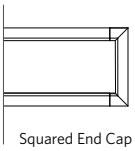


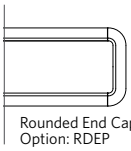
DIMENSIONS

☐ **VMM9**



DETAILS


Squared End Cap


Rounded End Cap
Option: RDEP


Optional sensor with SubtleView Integration™

COMPANION LUMINAIRE(S)


VMMRA


VMMQP

VMMSP

CUSTOMIZATION

Ask us about the following possibilities: Alternate section lengths, 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 106 lm/W
- Three distributions available: (see page 2)
- High performance batwing distribution using light technology guide
- Softshine®-engineered comfort optics
- Flicker-free dimming to dark (0.1%) powered by eldoLED® driver
- Integrated nLight® control module for system networking (optional)
- Integrated sensor for daylight dimming and/or occupancy detection (optional)
- Squared or rounded end caps
- White, black, painted aluminum or custom color

LUMEN PACKAGES

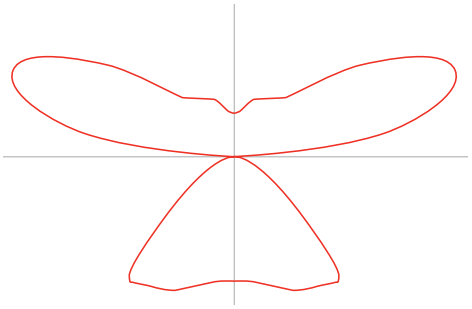
Based on 3500K. Additional color temperatures available.

Indirect /Direct LED Ouput	ID1100LMF	ID1350LMF
Delivered Lumens Per Foot	1095	1370
Input Watts Per Foot	9.5	12.8
Lumens Per Watt	115	106

*per 4′ section

STANDARD DISTRIBUTION

60% Up | 40% Down



SPECIFICATIONS

Housing
Extruded aluminum housing.

End Caps
Die-cast aluminum end caps are mechanically attached with no exposed fasteners. Squared end caps standard. For rounded end caps, choose option RDEP.

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

Luminaire Length
4′ and 8′ lengths in a single section for nominal suspension spacing of 4′ and 8′. For total length, add 2 1/8″ for each end cap. Longer rows are comprised of starter, joiner and end sections.

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 acrylic lens and microstructure film.

Embedded Sensor
Optional sensor is embedded directly into the lens surface following Peerless' proprietary SubtleView Integration™ process.

Remote Dimming Driver
Remote eldoLED® driver (see page 3) 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 antd 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

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 (L_{80}) at 25° C ambient temperature. Specify 120V, 277V or 347V. 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
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

Peerless® Lighting for People®

Vellum LED

VMM9 | LED | I/D or Direct | Suspended

Type:

Project:

A+ Capable options indicated by this color background.

MODEL NUMBER

Example: VMM9 LLP 16FT MSL8 80CRI 35K ID1100LMF 60/40 DARK ZT SCT F1/24F C110

Luminaire

VMM9

Linear Length Plan

LLP Linear longest possible

LSL Longest same length

Total Run Length

__FT

Indicate Luminaire Row Length in 4' increments. Ex: 12FT

Maximum Section Length

MSL4 4' Section(s)

MSL8 8' Section(s)

LED Color Rendering

80CRI 80+ CRI

90CRI* 90+ CRI

**Longer lead times- consult factory*

LED Color Temperature

30K 3000K

35K 3500K

40K 4000K

Indirect/Direct LED Ouput

ID1100LMF 1100 Nominal lumens per foot

ID1350LMF 1350 Nominal lumens per foot

Indirect/Direct Ratio

60/40 Std. 60% up; 40% down

20/80 20%up; 80% down

0/100 0%up; 100% down

Nominal Distribution. Refer to photometric tests for exact.

Minimum Dimming Level

DARK Constant current, dimming to < 1%

Control Input

ZT* 0-10V

NLIGHT** nLight enabled

DALI*** DALI

**0-10V will use linear dimming curve*

*** Will use logarithmic dimming curve*

****Not available with sensors*

****Will use logarithmic dimming curve*

Voltage

120 120V

277 277V

347 347V

Wiring Option

SCT Single circuit

Emergency Options

(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. T20 Compliant

Emergency type is installed in last 4' of luminaire sections. Separate feed required. Not available for CSA or 347V

Primary Sensor

(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

**Available with ZT or nLight only*

Secondary 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

**Available with ZT or nLight only*

Mounting Type/

F1/ T-bar ceiling (universal mounting bracket)

F2/* Hard ceiling (horizontal J-box)

** F2 not available with E10W*

Overall Suspension

12F 12" fixed

18F 18" fixed

24F 24" fixed

36F 36" fixed

48F 48" fixed

72F 72" fixed

XX xx"

Measured from ceiling to bottom of luminaire.

Color

C041 White white (low gloss)

C110 Painted Aluminum (low gloss)

C201 Black (low gloss)

C099 Custom color

Options

CSA Manufactured to Canadian Standards

DU* Dust cover

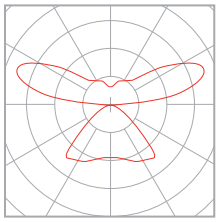
GLR Fast blow

GMF Slow blow

RDEP Rounded end cap

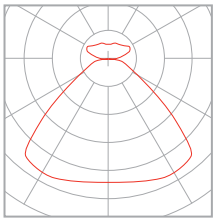
**DU is not available with 0/100 VDR*

PHOTOMETRICS



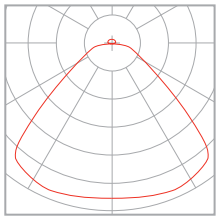
ID1350LMF 80CRI 35K
106 lm/W
5477 delivered lumens
per 4′ section

60% up / 40% down



ID1350LMF 20/80 80CRI 35K
103 lm/W
5285 delivered lumens
per 4′ section

20% up / 80% down



ID1350LMF 0/100 80CRI 35K
100 lm/W
5167 delivered lumens
per 4′ section

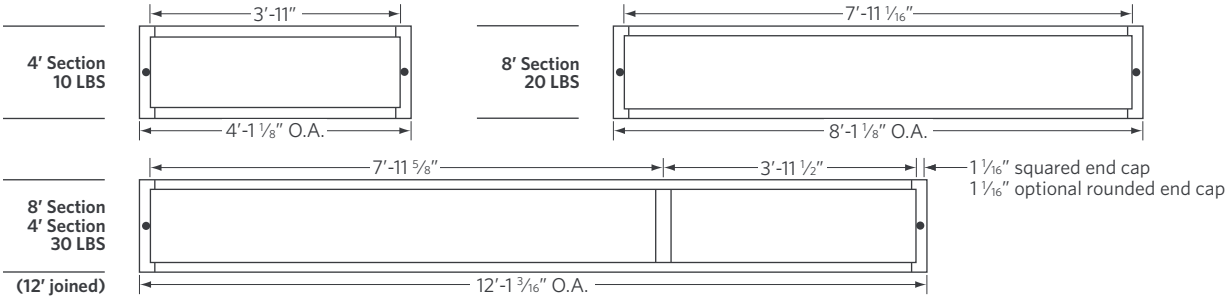
4% up / 96% down

WEIGHTS & SUPPORT SPACING

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

STANDARD SECTIONS

Key:
● Support or feed location



VIEW FROM TOP

LINEAR PLAN:

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

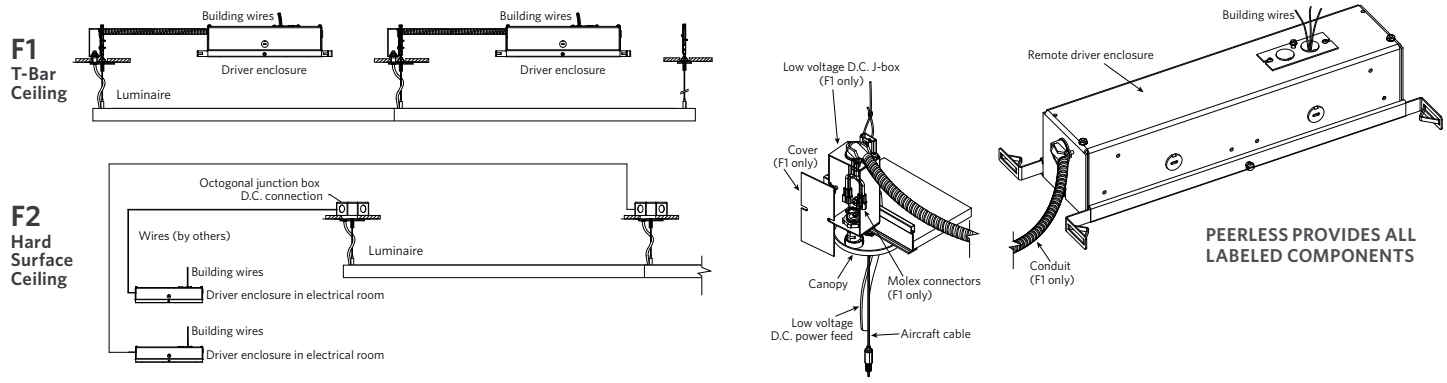
LSL- Linear Same Length:
In this configuration, each segment is the same length and is standardized based on the longest length available and is the only option provided. Because it is dependent on one segment length there are mathematical limitations on what overall row lengths can be achieved. Example: 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

REMOTE DRIVER MOUNTING



The driver is housed in a remote-mounted, aluminum enclosure. In T-bar ceiling installations, the driver enclosure attaches to the grid bars with provided hanging brackets and clips. For hard ceiling installations, the driver enclosure resides inside an electrical room and can be mounted to a rack or wall with screws (by others), if necessary.

NOTE: Every 4′ and 8′ luminaire section comes with (1) driver enclosure and each section has (1) low voltage D.C. power feed leading out of the luminaire. See installation instructions for further details.

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.

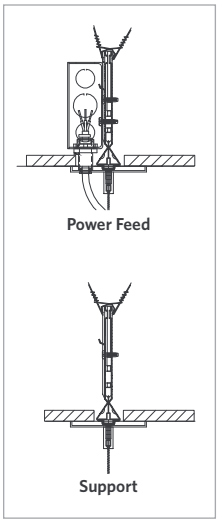
Mounting Options

MCS Matching canopy at support for aesthetics.

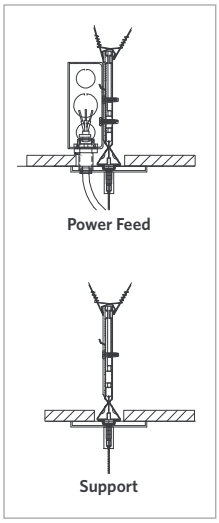
For more detailed mounting drawings and information, see PeerlessLighting.com/MountingOptions

☑ Indicates mounting options available with this luminaire.

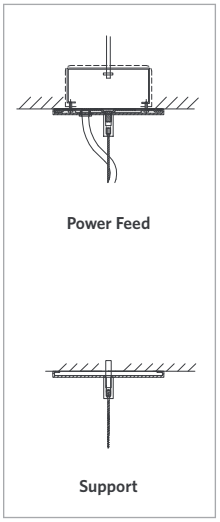
☑ **F1/**



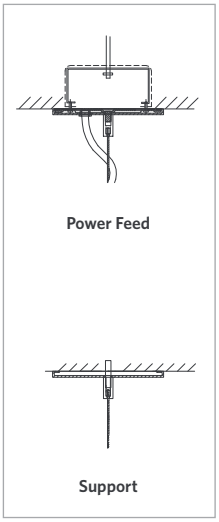
☐ **F1/MCS**



☑ **F2/**



☐ **F2/MCS**



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.

nES ADCX

nES PDT 7

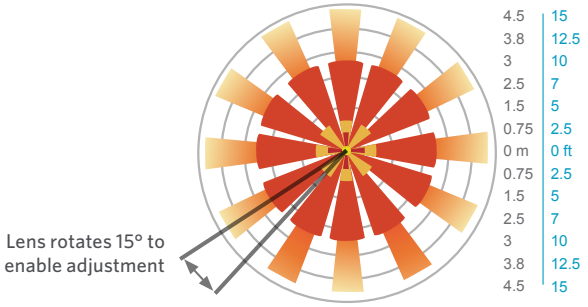
OCCUPANCY DETECTION COVERAGE

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

nPODM 2L WH

SensorSwitch.com/DataSheets/nPODM-xL.pdf

nPOD GFX WH

SensorSwitch.com/DataSheets/nPOD-GFX.pdf

eldoLED COMPATIBILITY

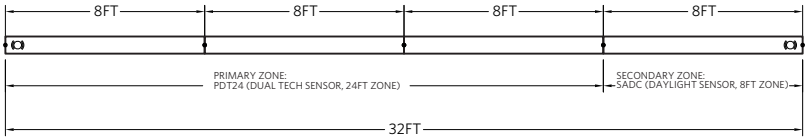
Additional control options with eldoLED 0-10V driver(s).

PeerlessLighting.com/eldoLED-compatibility

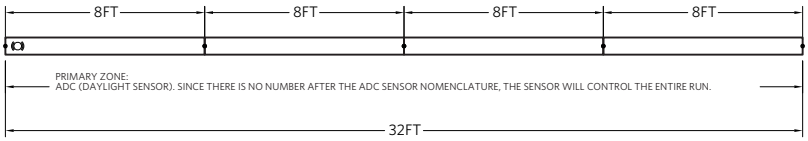
INTEGRATED SENSOR LAYOUT

CORRECT:

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

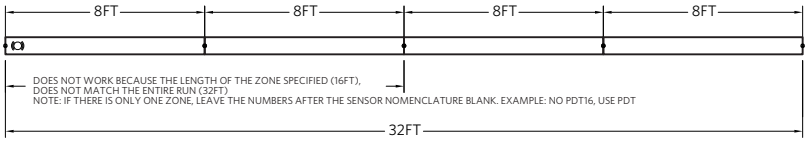


32FT MSL8 RUN WITH 1 SENSOR ALL ONE ZONE -- ADC

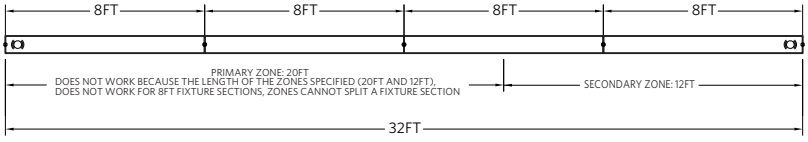


INCORRECT:

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



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