Peerless® Lighting for People®

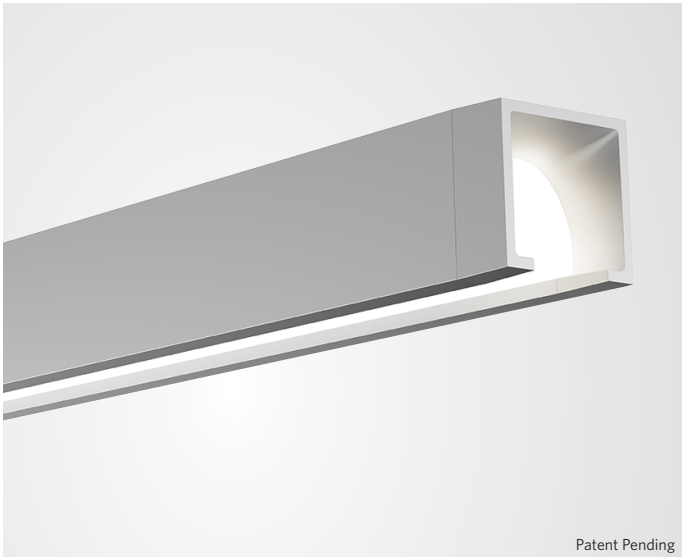
Open LED

OPMS | LED | Direct | Suspended

SPECIFICATIONS

Type:

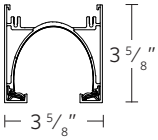
Project:



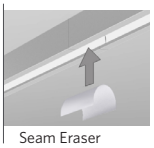
Patent Pending

DIMENSIONS

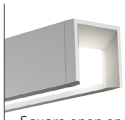
☐ **OPMS**



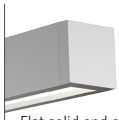
DETAILS



Seam Eraser

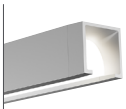


Square open end cap: Option SEP



Flat solid end cap: Option FEP

COMPANION LUMINAIRE(S)



OPM4 Open I/D

OPRW Open Recessed Wall Wash

OPRS Open Recessed Direct

CUSTOMIZATION

Ask us about the following possibilities: alternate section lengths, additional mounting options, additional CCTs for LED boards, custom colors and other modifications.

HIGHLIGHTS

- Total System Integration features 5-year limited warranty by Acuity Brands covering all components and construction
- 4′, 6′ and 8′ sections
- Up to 91 lm/W
- Two lumen packages available
- Seam eraser technology provides continuous illumination for long runs
- Flicker-free dimming to dark powered by remote eldoLED® driver
- Integrated nLight® module for system networking (optional)
- Integrated sensor for daylight dimming and/or occupancy detection (optional)
- Modular 4′ and 2′ light engines to allow for easy upgrades and replacement
- Sculptured open end caps standard, squared open or flat solid end caps are optional
- White, black, painted aluminum or custom color

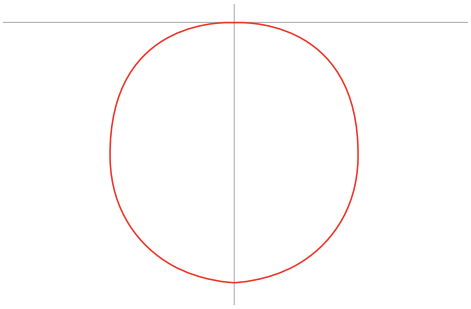
LUMEN PACKAGES

All lumen package information is target data only.

Direct LED Ouput	500LMF	800LMF
Delivered Lumens Per Foot	550	775
Input Watts Per Foot	6	8.7
Lumens Per Watt	91	89

STANDARD DISTRIBUTION

100% Down



SPECIFICATIONS

Housing
Extruded aluminum housing.

End Caps
Die-cast aluminum end caps are mechanically attached with no exposed fasteners. Sculptured end caps with curved inner opening standard. For squared open end caps, choose option SEP; for flat solid 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′, 6′ and 8′ lengths in a single section for nominal suspension spacing of 4′, 6′ and 8′. For total length, add 1 1/2″ for each sculptured end cap and 3/4″ for each squared or flat end cap. Longer rows are comprised of starter, joiner and ender sections.

Source
Two LED lumen packages and three available color temperature options (3000K, 3500K and 4000K) in 80+ CRI and 90+ CRI options — all within 2.5 MacAdam ellipses.

Optics
Optical system consists of high performance film.

Remote Dimming Driver
Remote eldoLED® driver (see page 3) with default logarithmic dimming curve provides "natural dimming" with smooth, continuous and flicker-free dimming to dark. Syncing for controls: 2mA max. THD: < 20%. Insignificant inrush current at 120 and 277VAC. FCC Class A 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 and DALI details go to: PeerlessLighting.com/SOLOdrive

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. The flat end cap (FEP) will default with any order with integrated sensor.
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_{90}) at 25° C ambient temperature. Specify 120V, 277V or 347V.

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

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Type:

Project:

A+ Capable options indicated by this color background.

MODEL NUMBER

Example: OPMS LLP 16FT MSL8 80CRI 35K 800LMF DARK ZT 120 SCT C041

Luminaire
OPMS

Linear Length Plan
- **LLP** Linear longest possible
- **LCB** Linear center balanced
- **LSL** Longest same length

Total Run Length
__FT

Indicate luminaire row length in 2' increments. Ex: 10FT

Maximum Section Length
- **MSL4** 4' section(s)
- **MSL6** 6' section(s)
- **MSL8** 8' section(s)

LED Color Rendering
- **80CRI** 80+ CRI
- **90CRI** 90+ CRI

LED Color Temperature
- **30K** 3000K
- **35K** 3500K
- **40K** 4000K

Direct LED Output
- **500LMF** 500 nominal direct lumens per foot
- **800LMF*** 800 nominal direct lumens per foot

**Does not meet RP-1 standards for high angle glare*

Minimum Dimming Level
- **DARK** Constant current, dimming to < 1%

Control Input
- **ZT*** 0-10V
- **NLIGHT**** nLight enabled
- **DALI***** DALI enabled

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

***Will use Logarithmic dimming curve*

****Will use Logarithmic dimming curve*

****Not avaiable with sensors*

Voltage
- **120** 120V
- **277** 277V
- **347** 347V*

**Not with nLight*

Wiring Option
- **SCT** Single circuit

Emergency Options
- **(Blank)** None
- **__EC** ___ Emergency circuit modules
- **__E10W*** ___ 10-Watt Emergency battery pack

Emergency type is installed in last 4' of luminaire sections. Separate feed required. Not available with CSA options.

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*

***Available with FEP (Flat end plate) 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*

***Available with FEP (Flat end plate) 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 cable with +0/-12
- **18F** 18" Fixed cable with +0/-12
- **24F** 24" Fixed cable with +0/-12
- **36F** 36" Fixed cable with +0/-12
- **48F** 48" Fixed cable with +0/-12
- **72F** 72" Fixed cable with +0/-12

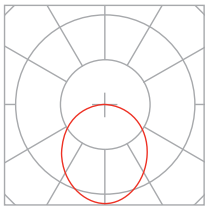
*Measured from ceiling to bottom of luminaire. *Maximum suspension with 12" of adjustability (+0"/-12"), i.e. for 18" suspension choose 24" length.*

Color
- **C041** White white (low gloss)
- **C110** Painted Aluminum (low gloss)
- **C201** Black (low gloss)
- **C099** Custom color

Options
- **5CN*** 5" Canopy
- **CSA** Manufactured to Canadian Standards
- **CP** Chicago Plenum (available with F1A only)
- **FEP** Flat solid end cap
- **GLR** Fast blow
- **GMF** Slow blow
- **SEP** Square open end cap
- **FEP** Flat solid end cap
- **HCF** Healthcare facility Cover

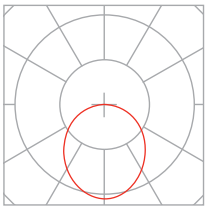
**Standard canopy is 3.5". Emergency feed uses 5" canopy*

PHOTOMETRICS



500LMF 80CRI 35K
89 lm/W
2,174 delivered lumens
per 4′ section

100% down



800LMF 80CRI 35K
89 lm/W
3,148 delivered lumens
per 4′ section

100% down

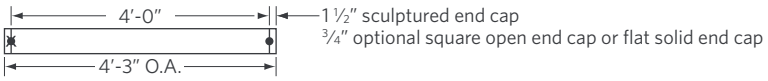
WEIGHTS & SUPPORT SPACING

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

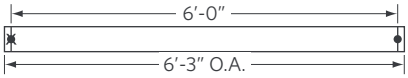
STANDARD SECTIONS

Key:
● Support location
✖ Support location with feed

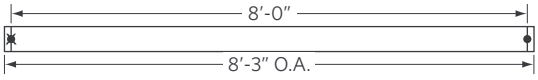
4′ Section 17 lbs.



6′ Section 26 lbs.

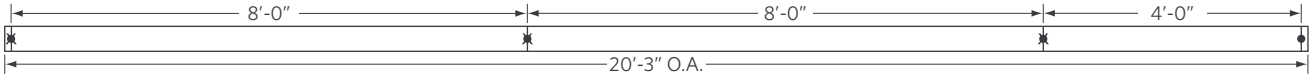


8′ Section 33 lbs.



8′ Section 8′ Section

8′ Section 8′ Section 4′ Section



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

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.

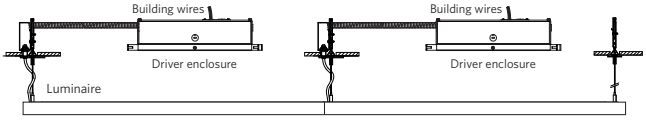
LCB	4 FT	8 FT	4FT

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.

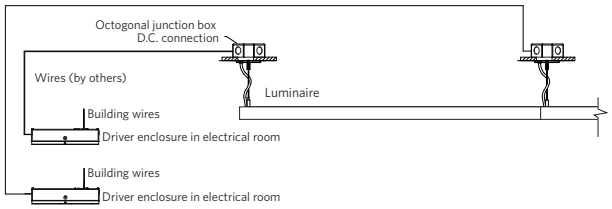
LLP	8 FT	8 FT	4FT

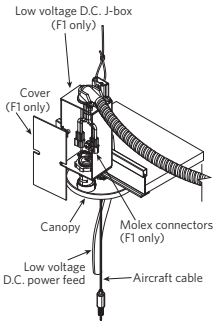
REMOTE DRIVER MOUNTING

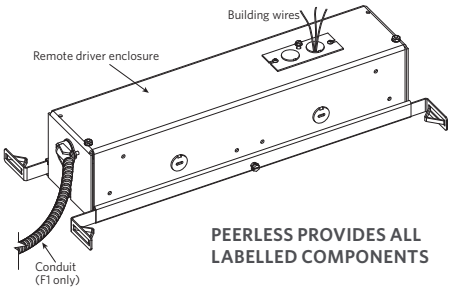
F1
T-Bar Ceiling



F2
Hard Surface Ceiling







PEERLESS PROVIDES ALL LABELLED COMPONENTS

The driver is housed in a remote-mounted, aluminum enclosure measuring 17 7/8" x 4 7/8" x 4". 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', 6' and 8' luminaire section comes with at least (1) driver enclosure and each section has at least (1) low voltage D.C. power feed leading out of the luminaire. See installation instructions for further details.

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		nES-ADCX
NLIGHT	PDT		X	X		nES-7
NLIGHT	APD	X	X	X		nES-7
ZT	ADC	X				nES-ADCX
ZT	PDT		X			nES-7
ZT	APD	X	X			nES-7

nES ADCX

nES PDT 7

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

Luminaires specified with integrated sensor option 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). Sensor will be located at either the front or end of a fixture section. For multiple zones, please contact TechSupport@PeerlessLighting.com.

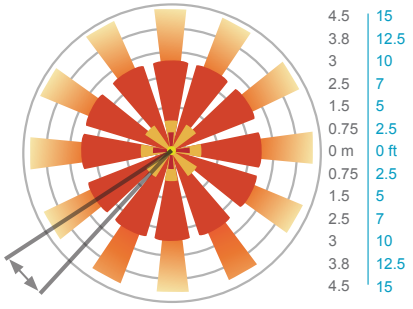
OCCUPANCY DETECTION COVERAGE

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

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

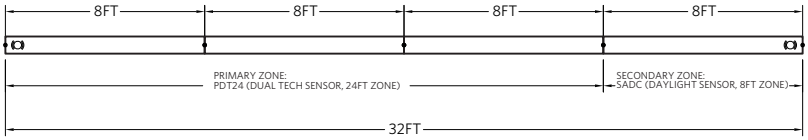
eldoLED COMPATIBILITY

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

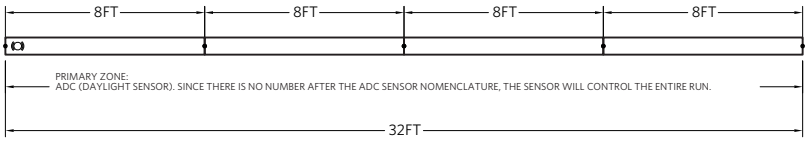
PeerlessLighting.com/eldoLED-compatibility

CORRECT:

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

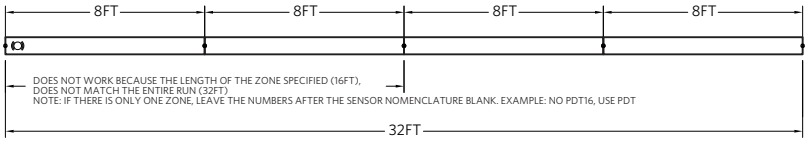


32FT MSL8 RUN WITH 1 SENSOR ALL ONE ZONE -- ADC

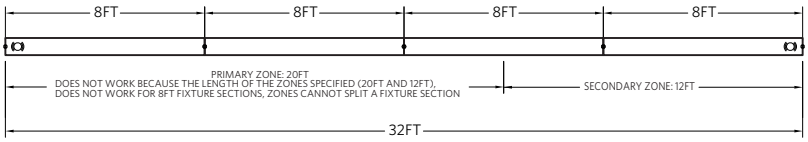


INCORRECT:

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