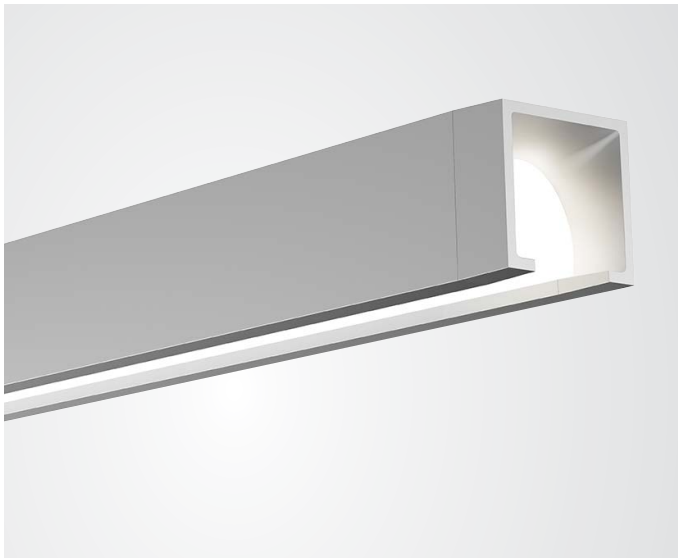




HIGHLIGHTS

- Total System Integration features 5-year limited warranty by Acuity Brands covering all components and construction
- 4', 6' and 8' sections
- Up to 134 lm/W
- Ten distributions available
- High performance batwing distribution using injection molded optic
- Seam eraser technology provides continuous illumination for long runs
- Flicker-free dimming to dark powered by remote eldoLED® driver
- Optional dual circuit switching for independent dimming of indirect and direct light outputs.
- 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
- White, black, painted aluminum or custom color

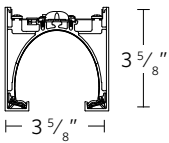


eldoLED



DIMENSIONS

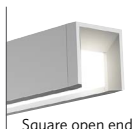
□ OPM4



DETAILS



Seam Eraser



Square open end cap: Option SEP

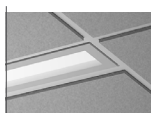


Flat solid end cap: Option FEP

COMPANION LUMINAIRE(S)



OPM4W Open I/D Wall Wash



OPRS Open Recessed Direct



OPMW S Open Direct Wall Wash Surface

CUSTOMIZATION

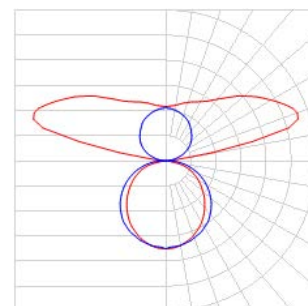
Ask us about the following possibilities: up to 6000 lumens for the uplight portion, alternate section lengths, alternate distributions, additional mounting options, additional CCTs for LED boards, custom colors and other modifications.

LUMEN PACKAGES Based on 80CRI 35K

Indirect LED Output/ Direct LED Output	I610LMF/ 510LMF	I610LMF/ 810LMF	I910LMF/ 510LMF	I910LMF/ 810LMF	I1200LMF/ 510LMF	I1200LMF/ 810LMF
Indirect Delivered Lumens Per Foot/ Direct Delivered Lumens Per Foot	619/504	619/827	946/504	946/827	1228/504	1228/827
Total Delivered Lumens Per Foot	1123	1446	1450	1773	1732	2055
Input Watts Per Foot	8.6	11.5	10.8	13.6	13.1	15.9
Lumens Per Watt	130	126	134	130	132	129

DISTRIBUTION

60% Up | 40% 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 1½" for each sculptured end cap and ¾" for each squared or flat end cap. Longer rows are comprised of starter, joiner and ender sections.

Source

Four LED lumen packages and five available color temperature options (2700K, 3000K, 3500K, 4000K and 5000K) in 80+ CRI and 90+ CRI options — all within 2.5 MacAdam ellipses.

Optics

Optical system consists of high performance film. Injection-molded indirect optic for optimized batwing distribution.

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 Integrated Sensor Layout Page for more details.

Electrical

LED light engine — consisting of modular LED boards and eldoLED® dimming driver — is rated for 60,000 hours (L90) at 25° C ambient temperature. Specify 120V, 277V or 347V. For special circuiting or wire gauge, consult factory. Plug-in electrical connectors included.

Environment

Suitable for damp location. IC Rated

Validation

CSA/CUS listed. CSA tested to UL 1598 standards. LM-79 tested. Individual sections meet FCC Part 15 requirements.

Packaging

Recycled cardboard box and inserts. Biodegradable, protective luminaire bag. Recycled kraft paper tape.

Government Procurement

BAA - Product with the BAA option qualifies as a domestic end product under the Buy American Act as implemented in the FAR and DFARS. Product with the BAA option also qualifies as manufactured in the United States under DOT Buy America regulations. BABA - Build America Buy America: Product with the BAA option also qualifies as produced in the United States under the definitions of the Build America, Buy America Act. Please refer to www.acuitybrands.com/buy-american for additional information.

Warranty

5-year limited warranty. Complete warranty terms located at www.acuitybrands.com/support/customer-support/terms-and-conditions

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



A+ Capable options indicated
by this color background.

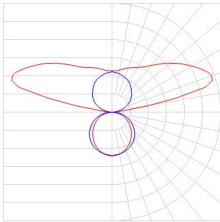
MODEL NUMBER Example: OPM4 LLP 8FT MSL8 80CRI 35K I610LMF 510LMF DARK ZT 120 SCT F1/24F C041

Luminaire	Linear Length Plan	Total Run Length	Maximum Section Length	LED Color Rendering	LED Color Temperature	Indirect LED Output	Direct LED Output
OPM4	LLP Linear longest possible LCB Linear center balanced LSL Longest same length	__FT <i>Indicate luminaire row length in 2' increments. Ex: 10FT</i>	MSL4 4' section(s) MSL6 6' section(s) MSL8 8' section(s)	80CRI 80+ CRI 90CRI 90+ CRI	27K 2700K 30K 3000K 35K 3500K 40K 4000K 50K 5000K	I610LMF 610 Nominal indirect lumens per foot I910LMF 910 Nominal indirect lumens per foot I1200LMF 1200 Nominal indirect lumens per foot	510LMF 510 Nominal direct lumens per foot 810LMF* 810 Nominal direct lumens per foot <i>*Does not meet RP-1 standards for high angle glare</i>

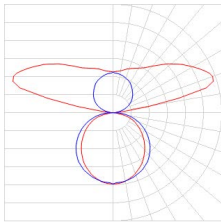
Minimum Dimming Level	Control Input	Voltage	Wiring Option	Emergency Options	Primary Sensor	Secondary Sensor
DARK Constant current, dimming to < 1%	ZT* 0-10V NLIGHT** nLight enabled DALI*** DALI enabled <i>*0-10V will use linear dimming curve **Will use Logarithmic dimming curve ***Not available with sensors ***Will use Logarithmic dimming curve</i>	120 120V 277 277V 347 347V* <i>*Not with nLight</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 __E10WLCP 10-Watt emergency battery pack. CEC Certified <i>Emergency type is installed in last 4' of luminaire sections. Separate feed required. Not available with CSA options.</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 **Available with FEP (Flat end plate) 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 **Available with FEP (Flat end plate) only</i>

Mounting Type/	Overall Suspension	Color	Options
F1/ T-bar ceiling (universal mounting bracket) F2/* Hard ceiling (horizontal J-box) <i>*F2 not available with E10WLCP **F1 Mount uses standard 3 1/2" canopy on both feed and support. Emergency feed uses 5" canopy ***F2 Mount uses standard 5" canopy on both feed and support *** All feed cords, cord managers and canopies are standard white. They are not painted to match fixture color.</i>	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 96F 96" Fixed cable with +0/-12 <i>Measured from ceiling to bottom of luminaire. *Maximum suspension with 12" of adjustability (+0"/-12"), i.e. for 18" suspension choose 24" length.</i>	C041 White white (low gloss) C110 Painted Aluminum (low gloss) C201 Black (low gloss) C099 Custom color RALTB* Ral Paint finishes <i>*RALTB for pricing only. replace with applicable RAL call out when ready to order. See the RAL BROCHURE for available options</i>	5CN* 5" Canopy BAA Buy America(n) Act and/or Build America Buy America Qualified CSA** Manufactured to Canadian Standards CP Chicago Plenum DU Dust cover GLR Fast blow GMF Slow blow HCF Healthcare facility cover SEP Square open end cap FEP Flat solid end cap <i>*F1 mount only. **When chosen with EC entire section must be EC. EX: MSL8 section would need to be 2EC for entire section</i>

PHOTOMETRICS



I910LMF/510LMF 80CRI 35K
134 lm/W
5806 delivered lumens per 4' section
66% up/34% down



I910LMF/810LMF 80CRI 35K
130 lm/W
7096 delivered lumens per 4' section
55% up/45% down

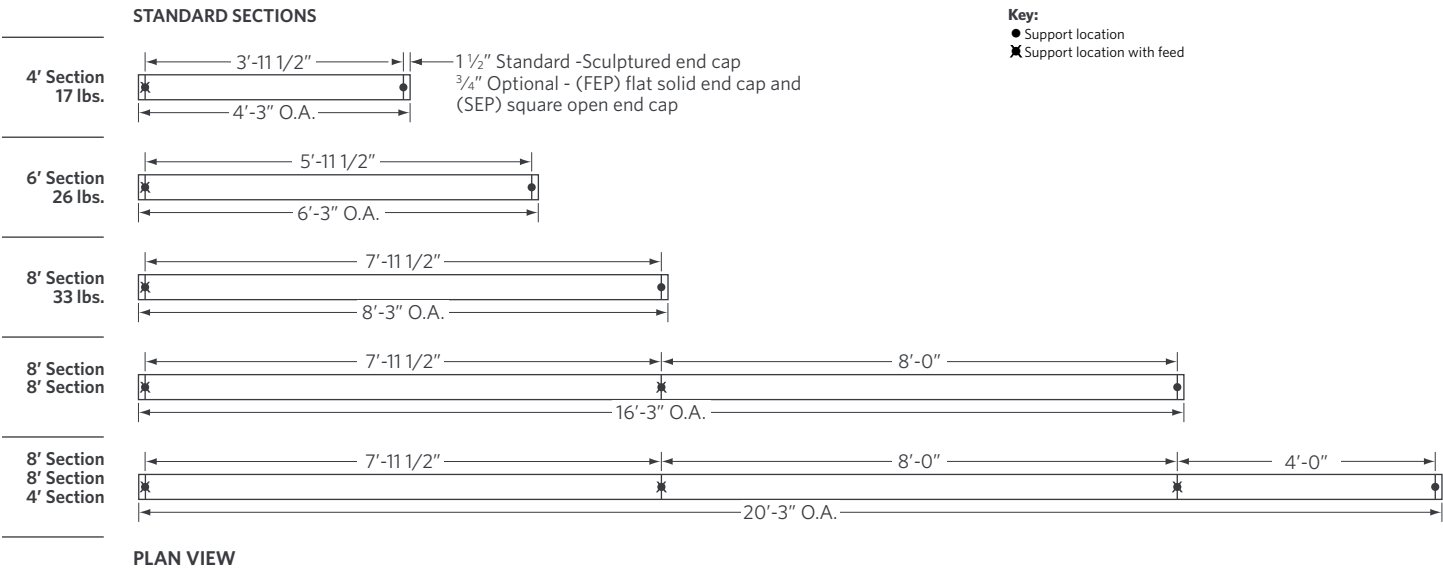
EXPECTED LIFE L90@60,000 HOURS

CCT SCALING CHART

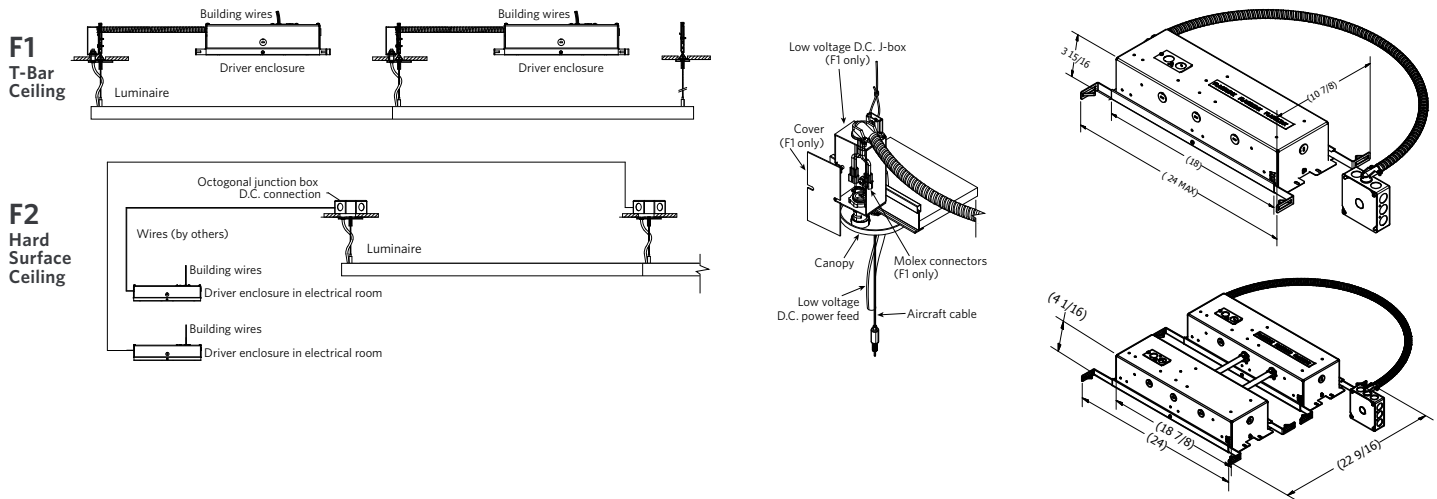
CCT	CRI	MULTIPLIER
27K	80CRI	0.94
30K	80CRI	0.97
35K	80CRI	1
40K	80CRI	1
50K	80CRI	1.03
27K	90CRI	0.79
30K	90CRI	0.81
35K	90CRI	0.83
40K	90CRI	0.84
50K	90CRI	0.89

WEIGHTS & SUPPORT SPACING

Suspension spacing equals section length. Default location shown.

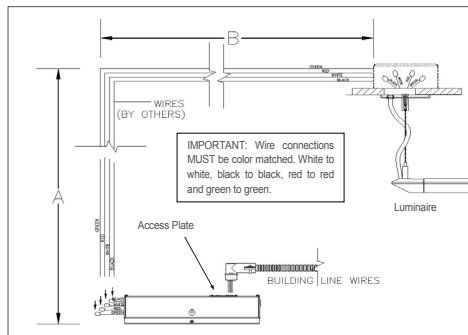


REMOTE DRIVER MOUNTING



The driver is housed in a remote-mounted, aluminum enclosure measuring 4"H X 6"W X 19"L. 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.



Connect white, black, red and green wires coming out of driver enclosure and into terminal blocks to a matching set of colored wires (by others) leading to luminaire. Next, at the luminaire, connect run of wires (by others) to terminal blocks underneath J-box making sure colors match. Unscrew and remove access plate on driver enclosure. Run building wires to driver enclosure. Knock out one hole in access plate. Pass building wires through hole. Perform wire splices, insert wires back into enclosure and reattach access plate.

IMPORTANT:

Run wires (by others) from the driver enclosure to the luminaire following these requirements. Maximum distance must not be exceeded.

Wire Gauge	Maximum Distance (ft.) (A + B)
18	56
16	102
14	176
12	272

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	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 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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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

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.



nES ADCX



nES PDT 7

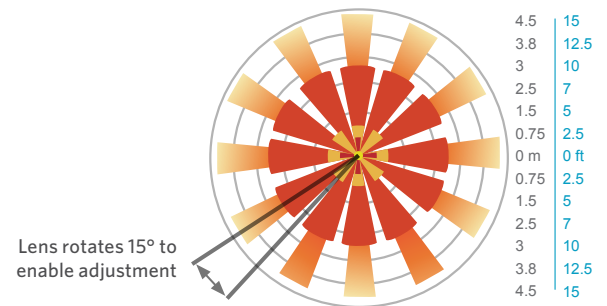
OCCUPANCY DETECTION COVERAGE

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

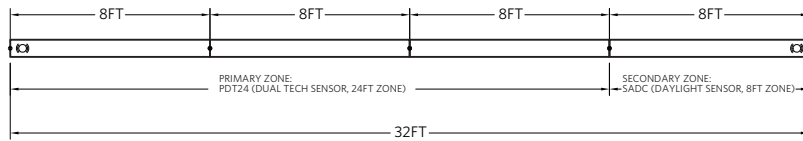
eldoLED COMPATIBILITY Additional control options with eldoLED 0-10V driver(s).

PeerlessLighting.com/eldoLED-compatibility

INTEGRATED SENSOR LAYOUT

CORRECT:

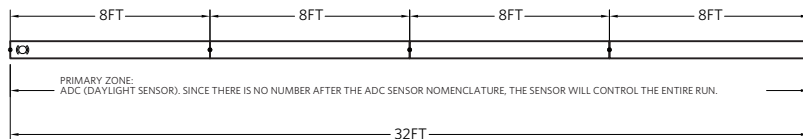
32FT MSL8 RUN WITH 2 SENSORS WITH PRIMARY ZONE 24FT AND SECONDARY ZONE 8FT -- PDT24 SADC8



Notes:

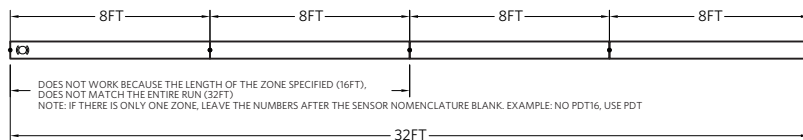
- Only one sensor per zone
- At the most, the entire run can only have 2 sensors (thus 2 sensors zones at the most)
- Sensor zone can not split fixture sections
- No overlapping zones
- One nLight or NLTAIR2 device per zone or per sensor, for multiple zones without sensors contact factory

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

