

PLANAR

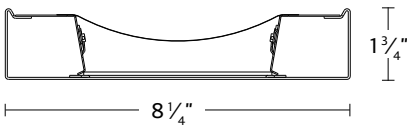
I/D PENDANT
TUNABLE WHITE

HIGHLIGHTS

- Mainstream Dynamic Tunable White with nTune™ Technology
- 4' and 8' sections
- Up to 140lm/w
- Seven distributions available (see page 2)
- 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)
- Sculptured or flat end caps.
- White, black or silver in semi-gloss with a fine textured finish. RAL color options also available.
- Design2Ship™ option available

DIMENSIONS

Section View



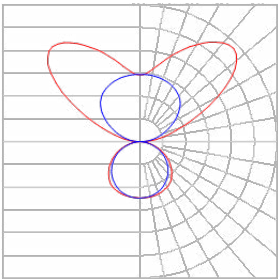
FIXTURE PERFORMANCE

	PROR				RHYR			
Nominal Lumens/FT	ID800LMF	ID1000LMF	ID1300LMF	ID1500LMF	ID800LMF	ID1000LMF	ID1300LMF	ID1500LMF
Delivered Lumens/FT	717-839	945-076	1188-1283	1508-1566	680-815	897-1037	1127-1248	1430-1516
Input Watts/FT	5-7	7-8	9-10	11-13	5-7	7-8	9-10	11-13
Lumens/Watt	127-139	124-140	121-139	117-137	123-134	123-133	120-132	115-130

*Based on 4FT, 80CRI, 70/30 Distribution

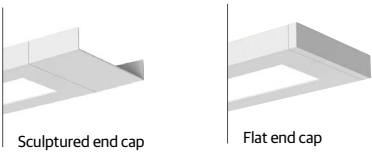


DISTRIBUTION

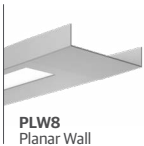


70/30 (Standard)

DETAILS



COMPANION LUMINAIRE(S)



PLW8
Planar Wall

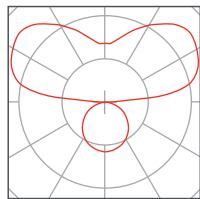
ORDERING

Example: PLN8 LLP 32FT MSL8 80CRI TUWH PROR ID1000LMF 70/30 DARK MVOLT WHSG NLT FLEP F1/36A WHTCY WCRD

Series		Plan		Total Run Length		Max Section Length		Direct Light Source Color Rendering		Dynamic Feature		Dynamic Range	
PLN8	Planar Indirect/Direct	LLP	Longest Length Possible	_FT	Specify continuous run length, in 4' increments.	MSL4	4'	80CRI	80 CRI	TUWH	Tunable White	PROR	Productivity Range (3000K-5000K)
		LSL	Linear Same Length		Unit length may affect available options.	MSL8	8'	90CRI	90 CRI			RHYR	Rhythm Range (2700K-6500K)
Indirect/Direct LED Light Output		Indirect/Direct Intensity Ratio		Switching		Minimum Dimming Level		Voltage		Finish			
ID800LMF	800 Nominal Lumens Per Foot	70/30	70% Up, 30% Down (Standard)	SCT	Single Circuit	DARK	Constant current, dimming to 0.1%	MVOLT	Multi-volt, 120-277	WHSG	White, Semi-Gloss		
ID1000LMF	1000 Nominal Lumens Per Foot	60/40	60% Up, 40% Down					120	120V	BKSG	Black, Semi-Gloss		
ID1300LMF	1300 Nominal Lumens Per Foot	50/50	50% Up, 50% Down					277	277V	SLVT	Silver, Textured		
ID1500LMF	1500 Nominal Lumens Per Foot	40/60	40% Up, 60% Down							RALTBD	RAL Paint Finish		
		30/70	30% Up, 70% Down										
		20/80	20% Up, 80% Down										
		10/90	10% Up, 90% Down										
		Nominal distribution. Refer to photometric tests for exact distribution.											
Emergency Options		Control Input		Primary Sensor		Secondary Sensor		End Option		Mounting Type			
_E10WLCP*	4' Section with 10 Watt Battery Pack, Constant Power with Self Diagnostics, T20 Compliant	NLT	nLight nTune Interface	(blank)	No factory installed integrated sensor	(blank)	No factory installed integrated sensor	SCEP	Sculptured End Cap	F1/	T-bar ceiling (universal mounting bracket)		
EC**	4' Section with Emergency Circuit			PDT	Standalone occupancy daylight sensor	SPDT_	Standalone occupancy daylight sensor	FLEP	Flat End Cap	F1A/	T-bar ceiling (UMB with integrated J-box)		
Emergency type is installed in last 4' of luminaire run. Separate feed required.				ADC_	Standalone daylight dimming sensor	SADC_	Standalone daylight dimming sensor			F2/	Hard ceiling (horizontal J-box)		
*E10WLCP not available with CSA.				APDT_	Dual technology occupancy sensor and daylight dimming sensor	SAPDT_	Dual technology occupancy sensor and daylight dimming sensor						
**If 4FT MSL4 EC is needed, consult factory. If EC with CSA, entire section must have EC, i.e., if MSL8, must select 2EC.				APIR_	Passive infrared occupancy sensor and daylight dimming sensor.	SAPIR_	Passive infrared occupancy sensor and daylight dimming sensor.						
Overall Suspension		Canopy Color		Cord Color		Dust Cover		Options					
36A	36" adjustable	WHTCY	White canopy (Default)	WCRD	White cord (Default)	DC	Dust Cover	(blank)	No option	ELH ⁴	Emergency through wiring w/separate neutrals - single EM Feed at opposite end of normal		
72A	72" adjustable							MCS ¹	Support canopy to match feed canopy	ELS2 ⁴	Emergency through wiring w/separate neutrals - single EM feed at same end of normal.		
144A	144" adjustable							MCSJ ²	Matching Canopy for j-box mounting at non-power feed support locations.	CP ⁵	Chicago Plenum		
*Measured from ceiling to bottom of luminaire								OJB ³	Offset J-Box at Feed Location	CSA	Manufactured to Canadian Standards		
								SLP	Sloped Ceiling	1. MCS is not available with OJB. 2. MCSJ is only available with F2 mounting. 3. OJB is not available with MCS. 4. ELH & ELS2 are not available with CSA. 5. CP is only available with F1A mounting type.			

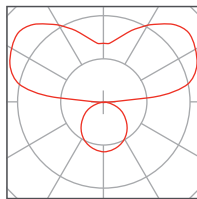


PHOTOMETRICS



**ID800LMF 70/30 80CRI
PROR 30K-50K**
127 lm/W-139 lm/W
3300-3357 delivered lumens
per 4' section

73% up/ 27% down



**ID800LMF 70/30 80CRI
RHYP 27K-65K**
123 lm/W-144 lm/W
2720-3258 delivered lumens
per 4' section

73% up/ 27% down

How to Calculate Delivered Lumens in Emergency Mode

Use the formula below to determine the delivered lumens in emergency mode

Delivered Lumens = 1.25 x P x LPW

P = Output power of emergency driver. P = 10W for E10WLCP option.

LPW = Lumen per watt rating of the luminaire. This information is available on the ABL luminaire spec sheet. LPW = Lumen per watt rating of the luminaire. LPW information available in Performance Data section.

OPTICAL SCALING CHARTS

Distribution	Multipliers
60/40	0.96
50/50	0.93
40/60	0.82
30/70	0.88
20/80	0.85
10/90	0.82

Base fixture 4FT, 80CRI 70/30 (standard)

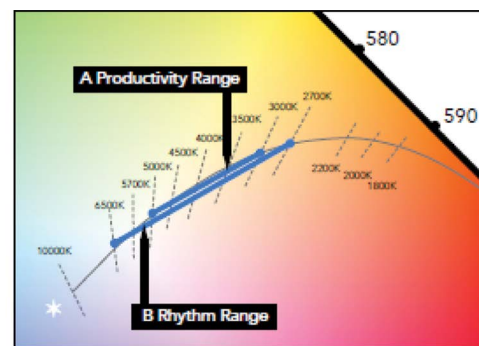
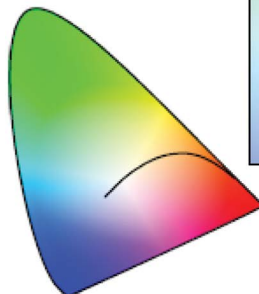
EXPECTED LIFE: L80 @ 60,000 HOURS

MAINSTREAM DYNAMIC TUNABLE WHITE WITH NTUNE TECHNOLOGY

Tunable white nTune™ is an all-digital light color temperature control within an nLight enabled luminaire. This brings tunable white lighting control into the mainstream with repeatable, consistent results in an economical luminaire form and system already familiar to schools. Designers and facility operators are granted the freedom to tie scenes to specific activities or to complement colors or materials within a visual environment. nTune™ allows color temperature settings through the Rhythm Range of 2700K to 6500K. Refer to the nLight Programming User's Guide for instructions on customizing to your application with SensorView™.

Tunable White GPHD

- **Gamut:** One dimensional warm-Cool
- **Path:** Direct 2700K to 6500K (Rhythm Range)
- **Handle:** Two Natural Language Handles: Intensity and CCT
- **Data:** nLight with nTune technology for both handles of control



- **A** Productivity Range 3000K to 5000K
- **B** Rhythm Range 2700K to 6500K

MARK
ARCHITECTURAL
LIGHTING™

Planar
I/D
Tunable White

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.
- F1A/

For use with most T-Bar grid ceilings. Designed for on-grid applications. Comes complete with J-box with built-in cutout to go over grid

Mounting Options

- MCS

Matching canopy at support for aesthetics.
- MCSJ

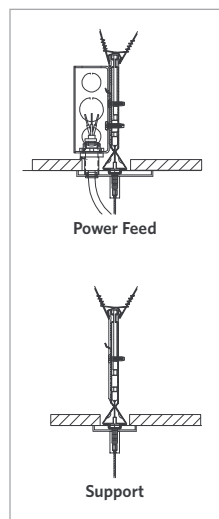
Matching canopy at for j-box mounting at non-power feed support locations
- OJB

Offset J-box at feed
- SLP OJB

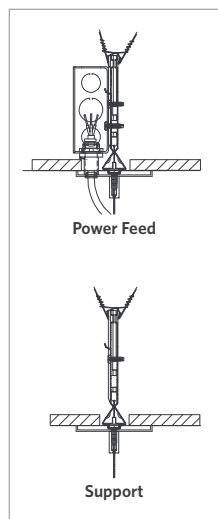
Sloped ceiling couplers and offset j-box option at feed.

☒ Indicates mounting options available with this luminaire.

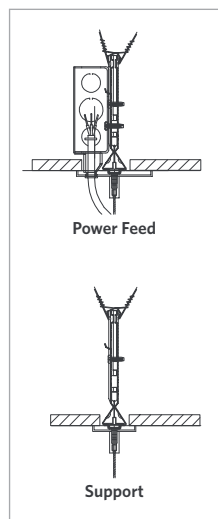
☒ F1/



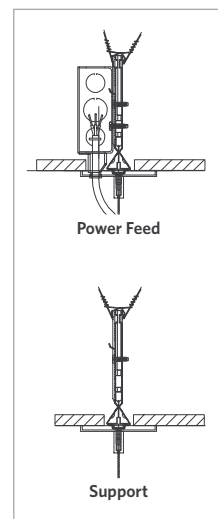
☒ F1/MCS



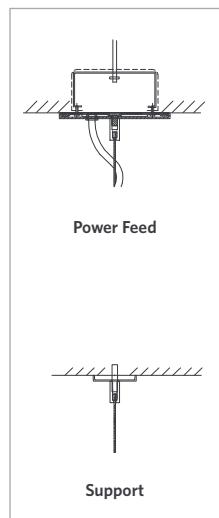
☒ F1A/



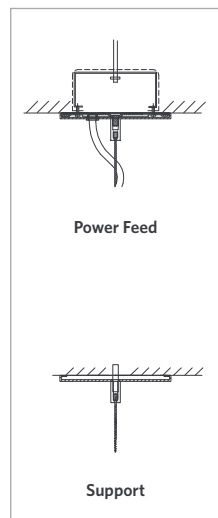
☒ F1A/MCS



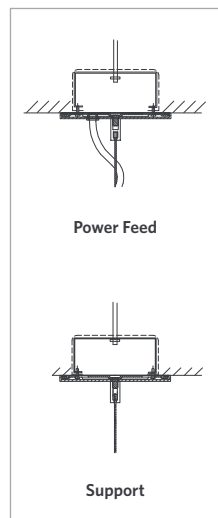
☒ F2/



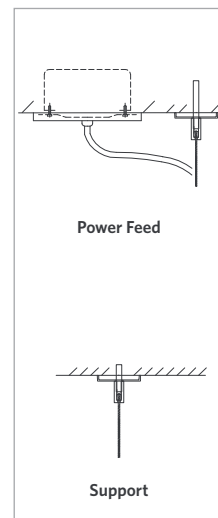
☒ F2/MCS



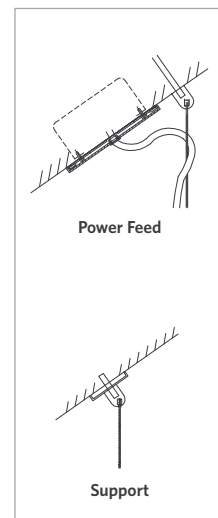
☒ F2/MCSJ



☒ F2/OJB



☒ F2/SLP OJB



LINEAR PLAN

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

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 segments and 1, 4 FT segment at the end of the run.

LLP	8 FT	8 FT	4 FT
-----	------	------	------

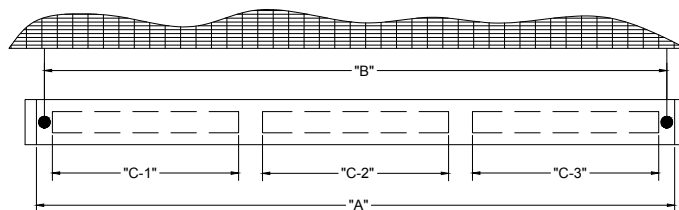
LSL- Linear Same Length:

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	4 FT	4 FT	4 FT	4 FT	4 FT
-----	------	------	------	------	------

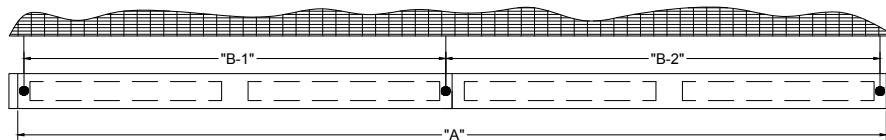
WEIGHTS & SUPPORT SPACING

Suspension spacing equals section length. Default location shown.



"Beginning of run fixture's center to centersupport spacing will be 13/16" less than the nominal fixture section length. Refer to Individual Fixture table for specific dimensions"

INDIVIDUAL FIXTURES (MOUNTING)					
ORDER LENGTH	"A" O.A.L.	"B"	FLAT END CAP	SCULPTED END CAP	APPROX. WEIGHT
4FT	4'-0" [1220 mm]	3'-11 3/16" [1121 mm]	1 1/4" [31.8 mm]	8" [203.2 mm]	22 lbs [10 kg]
8FT	8'-0" [2438 mm]	7'-11 3/16" [2418 mm]	1 1/4" [31.8 mm]	8" [203.2 mm]	38 lbs [17 kg]



1FT INCREMENTS WITH A MINIMUM OF 4FT (EXCEPT 7 FT)

LEGEND: **A** - Fixture Overall Length (excluding standard end caps on both ends). **B** - Fixture Suspension Points center-to-center distance

INDIVIDUAL FIXTURES (MOUNTING)						
ORDER LENGTH	"A" O.A.L.	"B-1"	"B-2"	FLAT END CAP	SCULPTED END CAP	APPROX. WEIGHT
4' SECTION	8'-0" [2438 mm]	3'-11 3/16" [1200 mm]	4'-0" [1220 mm]	1 1/4" [31.8 mm]	8" [203.2 mm]	44 lbs [20 kg]
4' SECTION	8'-0" [2438 mm]	7'-11 3/16" [2418 mm]	4'-0" [1220 mm]	1 1/4" [31.8 mm]	8" [203.2 mm]	60 lbs [17 kg]
8' SECTION	16'-0" [4877 mm]	7'-11 3/16" [2418 mm]	8'-0" [2438 mm]	1 1/4" [31.8 mm]	8" [203.2 mm]	76 lbs [35 kg]

INTELLIGENT LUMINAIRE CHARTS

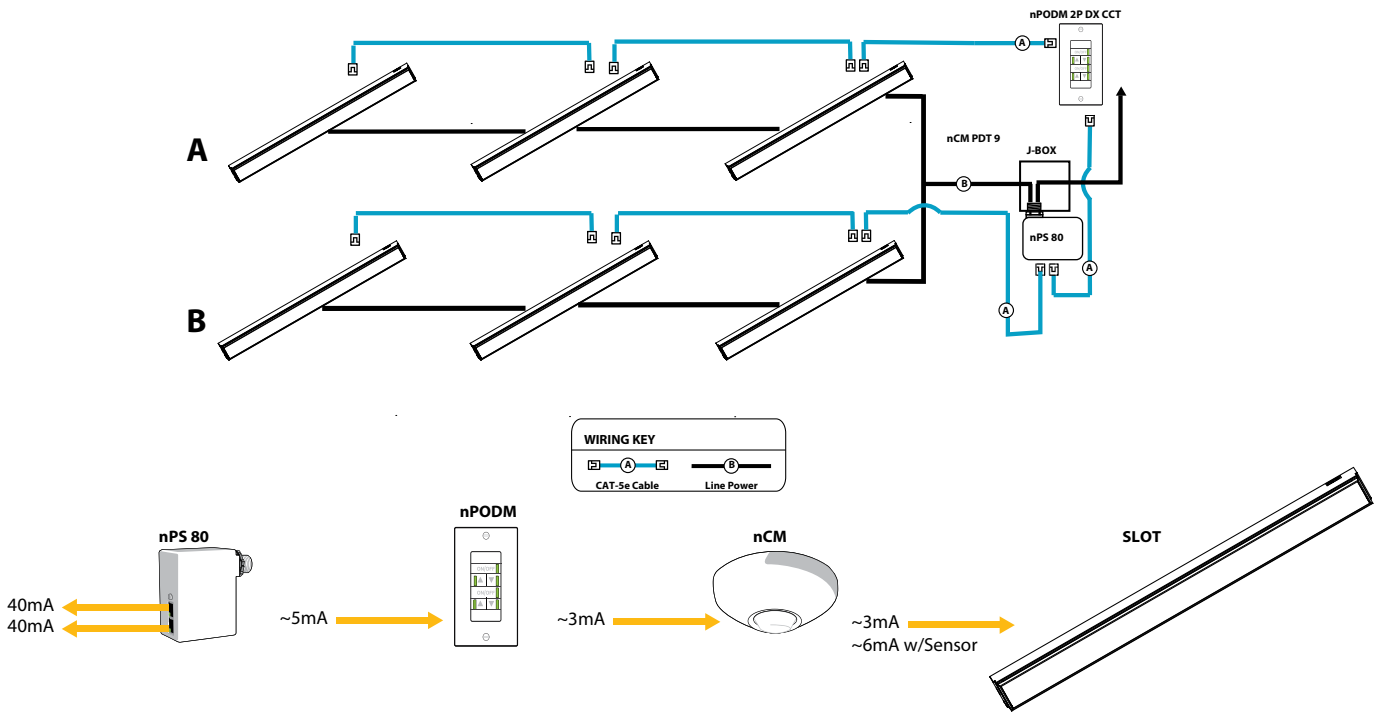
Choose nomenclature from these columns					
Driver Configurations	Minimum Dimming Level	Control Input	Driver	Dimming Range	Notes
	DARK	NLT	= eldoLED Dualdrive	100 to 0.1%	Logarithmic dimming

Control + Sensor Configurations	Control Input	Sensor	Sensor	Notes	
	NLT	+	ADC	= SensorSwitch NES ADCX	nLight control Daylight Sensor.
	NLT	+	PDT	= SensorSwitch NES PDT 7	nLight control Occupancyt Sensor.
	NLT	+	APDT	= SensorSwitch NES PDT 7 ADCX	nLight control Daylight with Occupancyt Sensor.

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).

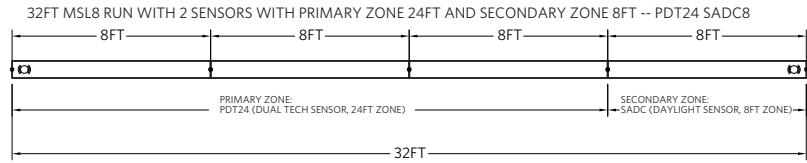
TYPICAL NLIGHT NETWORK LAYOUT



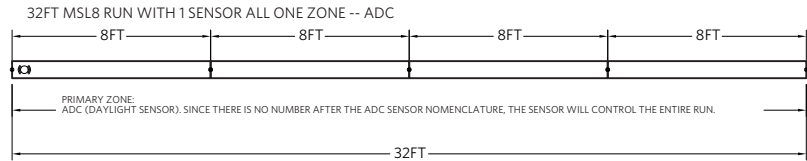
*Note: Also applicable to linear runs. Each 4' fixture section must be connected, by CAT5 cable, to another fixture.

INTEGRATED SENSOR LAYOUT

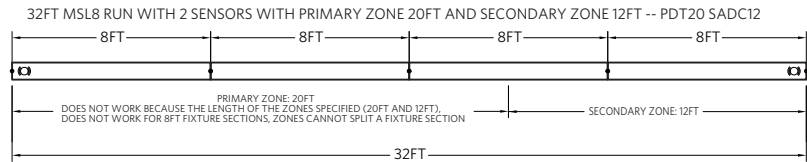
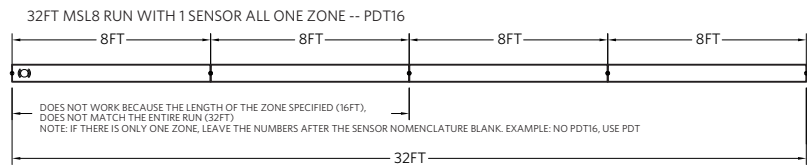
CORRECT:



- 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:



MARK

ARCHITECTURAL

LIGHTING™

Planar

I/D

Tunable White

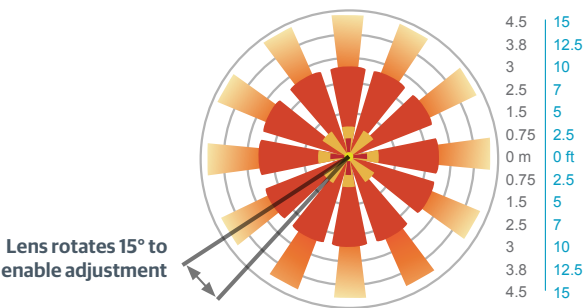
OCCUPANCY DETECTION COVERAGE

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



nPODMA 2P DX CCT WH



nPODMA 4S DX EDUTW WH



nPODMA 4S DX EDUTW WH



nPOD Unitouch WH

SPECIFICATIONS

Housing

Nominal 8 1/4" 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. Sculptured end caps are standard. For flat end caps, select option FLEP.

Finish

White, black, silver in semi-gloss with a textured finish. RAL paint options.

Luminaire Length

4', 8' 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, with end points, falling within 2.5 MacAdam ellipses.

Optics

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 <1%. 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.

Mainstream Dynamic with nTune Technology

This luminaire is enabled with nTune technology, meaning it has the ability to communicate digitally over an nLight network. When wired, using CAT-5 cabling, with other nLight-enabled sensors, power packs, or WallPods, an nLight control zone is created. Once linked to a Gateway, directly or via a Bridge, the zone becomes capable of timeclock control, remote status monitoring, and control via SensorView software.

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 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

Suitable for damp location.

Validation

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

Government Procurement

BAA – Buy America(n) Act: Product qualifies as a domestic end product under the Buy American Act as implemented in the FAR and DFARS. Product also qualifies as manufactured in the United States under DOT Buy America regulations.
BABA – Build America Buy America: Product 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. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at: www.acuitybrands.com/support/warranty/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. Specifications subject to change without notice.

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.