

## Slot 2 LED

### Direct Wall Tunable White

The Slot LED family of luminaires offers an unparalleled package of performance and features for your next lighting project. Precision lumen DIRECTIR optics deliver optimized light where needed for ceilings and walls. With other key features such as simplified installation, seamless controls integration and superior color constancy, the Slot LED family from Mark Lighting offers exceptional quality and design flexibility.

Type:

Project:

Catalog Number:

DO NOT TYPE HERE. Autopopulated field.

## Specification Features

### Housing

Nominal 2.5" x 4.375" extruded aluminum housing

### Finish

White, Black or Silver powdercoat

### Reflector

Formed steel with high reflectance white

### Distribution/Shielding

Extruded 90% transmissive acrylic lens with a textured surface providing diffuse illumination and a uniform appearance for direct lambertian distribution (No Optics). Wall Wash (WW) and Wall Graze (WG) distribution options incorporate co-extruded lenses. Shielding is available as an external blade louver for WW or WG options, or an internal blade louver in lieu of lambertian distribution diffuser. Clear Acrylic dustcover (DC) is available for the indirect distribution only.

### LED Components

Linear: Nichia®- 757 series LED chips (>80 CRI)

### Electrical

Long-life LEDs, coupled with high-efficiency drivers, provide superior quantity and quality of illumination for extended service life. 80% LED lumen maintenance at 60,000 hours (L80/60,000).

### Color Consistency

The Acuity Brands circuit boards for the linear LED components use a precise binning algorithm which creates a consistent color temperature from board to board. The color a variation of no greater than a 2.5 Step MacAdam (2.5SDCM) along the black body locus from board to board.

### Driver

eldoLED® driver provides natural dimming with smooth, continuous and flicker-free deep dimming. Supports operation between 120VAC and 277 VAC, with low inrush current (NEMA 410) and THD < 20%. Meets FCC Title 47 C.F.R. 15 Class A or Class B requirements.

### Certification

CSA tested to UL 1598 standards, assembled in the USA.

### Warranty

5-year limited warranty. Complete warranty terms located at:  
[www.acuitybrands.com/CustomerResources/Terms\\_and\\_conditions.aspx](http://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. Specifications subject to change without notice.

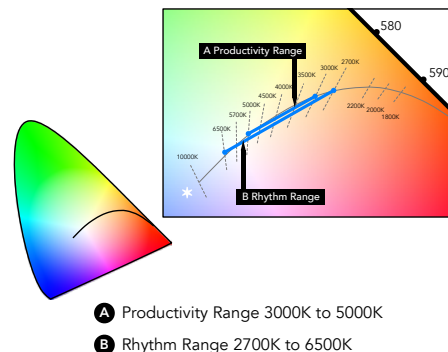
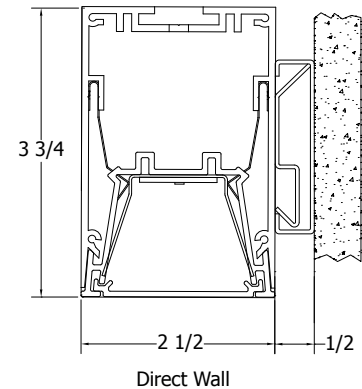
## Mainstream Dynamic Tunable White with nTune Technology

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 Productivity Range of 3000K 5000K or 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 3000K to 5000k (Productivity Range) or 2700K to 6500K (Rhythm Range)
- **Handle:** Two Natural Language Handles: Intensity and CCT
- **Data:** nLight with nTune technology for both handles of control

## Technical Drawing





A+ Capable options indicated  
by this color background.

## Ordering

Example: S2LWD 7FT MSL7 80CRI TUWH RHYP 800LMF DARK NLT 120 WHT

Series		Plan		Total Run Length		Max Section Length		Direct Light Source Color Rendering		Dynamic Feature		Dynamic Range			
S2LWD	Slot 2 Wall - Direct	LCB	Linear center balanced	_FT¹	Specify continuous run length (in whole feet 2' minimum)	MSL4	4'	80CRI	80 CRI	TUWH	Tunable White	PROR	Productivity Range (3000K-5000K)		
			LLP			Linear longest possible	MSL5	5'	90CRI					90 CRI	RHYR
						MSL6	6'								
						MSL7	7'								
						MSL8	8'								
Direct LED Light Output		Direct Distribution (Optics)		Minimum Dimming Level		Control Interface		Optional Shielding²		Voltage		Finish			
400LMF	400 Lumens per FT	(blank)	Standard Lambertian Distribution	DARK	Constant current, dimming to 0.1%	NLT	nLight nTune interface	(blank)	Standard Shielding only	MVOLT	Multi-volt, 120-277	WHT	White (gloss)		
600LMF	600 Lumens per FT		LVRD					Dropped Louver	BLK			Black (gloss)			
800LMF	800 Lumens per FT	WW³	Wallwash Distribution					LVRD	Regressed Louver painted to match fixture finish	120	120V	SLV	Silver (gloss)		
1000LMF	1000 Lumens per FT		LVRRA					Regressed Aluminum Finish	WHTT			White (textured)			
_LMF	## Lumens per FT (Limited to 350LMF to 1050LMF in 50LMF increments)	WG³	Wall Graze Distribution					EGLD	Edge View Direct Lens	277	277V	BLKT	Black (textured)		
												SLVT	Silver (textured)		
Emergency Options		Sensor		Secondary Sensor		Tertiary Sensor		Environmental Listing							
E10WLCP⁴	4ft emergency section w/ battery pack 900 lumens	NS	No Sensor	SNS	No Secondary Sensor	TNS	No Tertiary Sensor	DPL	Damp Location Listing						
_E10WLCP⁴	# 4ft emergency sections w/ battery pack 900 lumens	PDT_	Occupancy Sensor- Dual Technology (Passive Infrared & Microphonics)	SPDT_	Occupancy Sensor- Dual Technology (Passive Infrared & Microphonics)										
_EC³	# of Emergency Circuits	ADC_	Photocell- Daylight Dimming Sensor	SADC_	Photocell- Daylight Dimming Sensor										
BGTD⁵⁶	Generator Transfer Device	API_	PIR Occupancy Sensor & Photocell	SAPI_	PIR Occupancy Sensor & Photocell										
		APD	PDT Occupancy Sensor & Photocell	SAPD	PDT Occupancy Sensor & Photocell										

### Notes:

1. Fixture length may effect available options, consult factory with validation issues.
2. Optional shielding not available with sensors.
3. Not available with EGLD, LVRD, or LVRRA options.
4. One EL pack per fixture section not available on 2t or 3FT sections.
5. Powers entire direct fixture section (power direct and indirect fixture sections on 2ft fixtures).
6. Must select 120 or 277.

### A+ Capable Luminaire

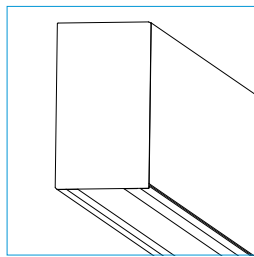
This item is an A+ capable luminaire, which has been designed and tested to provide consistent color appearance and out-of-the-box control compatibility with simple commissioning.

- 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\*

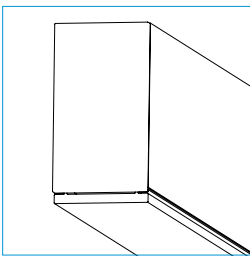
To learn more about A+, visit [www.acuitybrands.com/aplus](http://www.acuitybrands.com/aplus).

\*See ordering tree for details

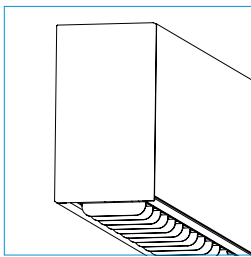
Shielding



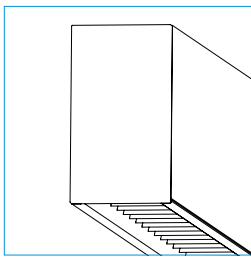
Co-Extruded WG



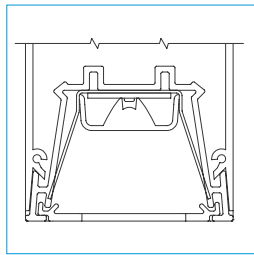
Edge View Lens



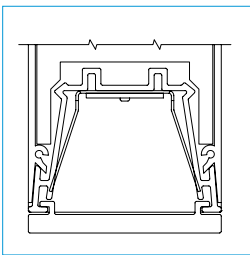
External Louver



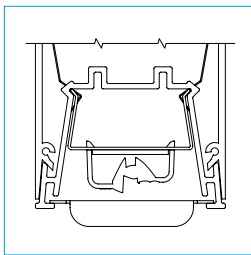
Regressed Louver



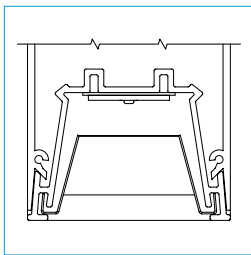
Co-Extruded WG  
(Standard)



Edge View Lens  
(Optional)



External Louver WW  
(Painted to Match Housing)



Regressed Louver  
(Natural Aluminum  
or Painted to Match  
Housing)

Fixture Performance

4FT Individual (80 CRI)		Rhythm Range (RHYR)						Productivity Range (PROR)					
		Total Lumens			Lumens Per Watt			Total Lumens			Lumens Per Watt		
	Lumen Output	2700K	4600K	6500K	2700K	4600K	6500K	3000K	4000K	5000K	3000K	4000K	5000K
Direct	400LMF	1179	1127	1150	81	83	84	1211	1052	1118	84	85	87
	600LMF	1813	1738	1735	81	84	86	1838	1660	1690	83	85	88
	800LMF	2412	2204	2274	80	85	84	2447	2194	2321	82	85	85
	1000LMF	2856	2705	2844	79	85	84	2896	2711	2893	80	87	85

Photometry  
For photometric information refer to [www.marklighting.com](http://www.marklighting.com).

## 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.

### 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).

<b>LSL</b>	4FT	4FT	4FT	4FT	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.

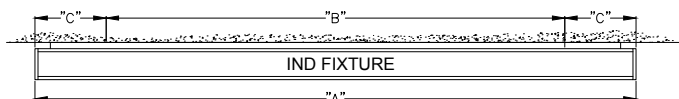
<b>LLP</b>	8 FT	8 FT	4FT
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### LCB- Linear Center Balanced:

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: 16 FT run would have 2, 4 FT segments (one at each end) and 1, 8 FT segment in the center.

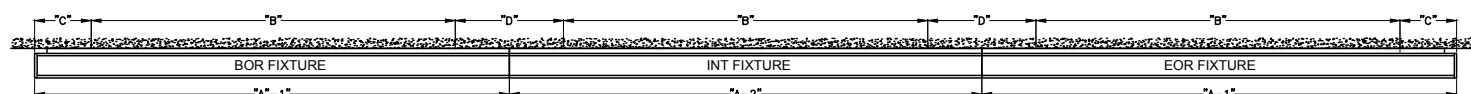
<b>LCB</b>	4 FT	8 FT	4FT
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## Individual Fixture Configurations



INDIVIDUAL UNITS (MOUNTING)			
LENGTH	"A" O.A.L.	"B" FEED POINTS	"C" FROM END
2FT	2'- 5/8"	1'-1"	5 13/16"
3FT	3'- 5/8"	2'-1"	5 13/16"
4FT	4'- 5/8"	3'-1"	5 13/16"
5FT	5'- 5/8"	4'-1"	5 13/16"
6FT	6'- 5/8"	5'-1"	5 13/16"
7FT	7'- 5/8"	6'-1"	5 13/16"
8FT	8'- 5/8"	7'-1"	5 13/16"

## Run Configurations

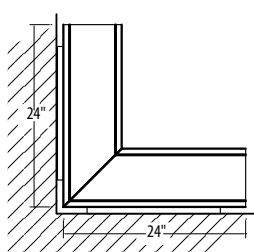


RUN LAYOUT (MOUNTING)					
LENGTH	"A-1" O.A.L.	"A-2" O.A.L.	"B" FEED POINT	"C" FROM END	"D" FEED POINT
2FT	2'- 5/16"	2'-0"	1'-1"	5 13/16"	11"
3FT	3'- 5/16"	3'-0"	2'-1"	5 13/16"	11"
4FT	4'- 5/16"	4'-0"	3'-1"	5 13/16"	11"
5FT	5'- 5/16"	5'-0"	4'-1"	5 13/16"	11"
6FT	6'- 5/16"	6'-0"	5'-1"	5 13/16"	11"
7FT	7'- 5/16"	7'-0"	6'-1"	5 13/16"	11"
8FT	8'- 5/16"	8'-0"	7'-1"	5 13/16"	11"

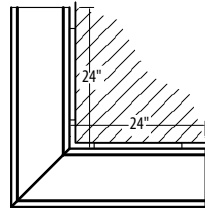
### Run Patterns, Corners and Junction

Slot 4 LED patterns be configured in 1' increments with illuminated 90° inside or outside corners, with standard 2' corner junction lengths. For custom angles, corner or junction lengths, consult factory.

See separate patterns sepc sheet for details.



INSIDE CORNER



OUTSIDE CORNER

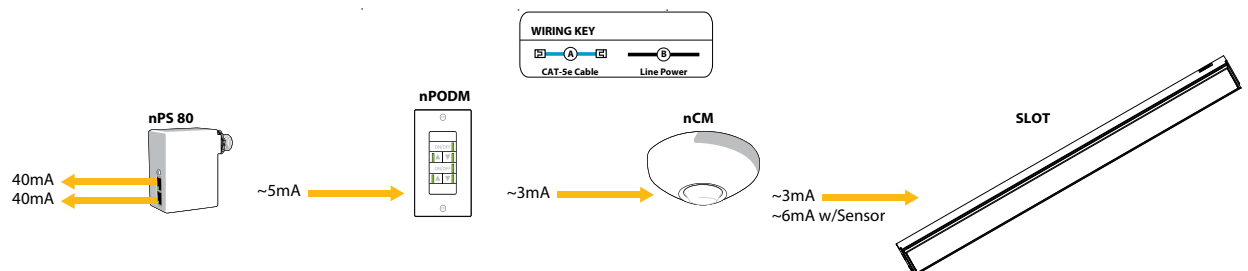
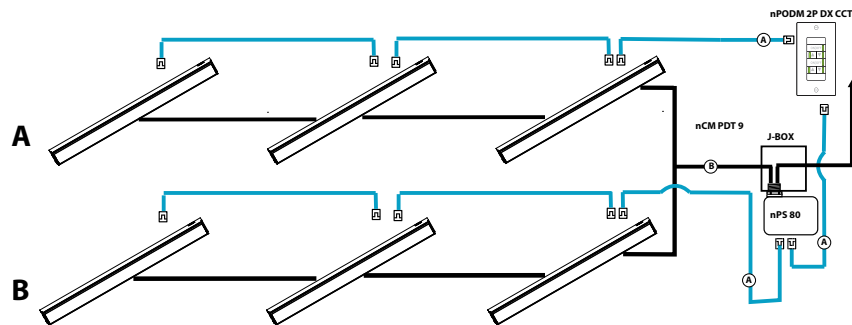
90° Corner

### Tunable White Wall Pod



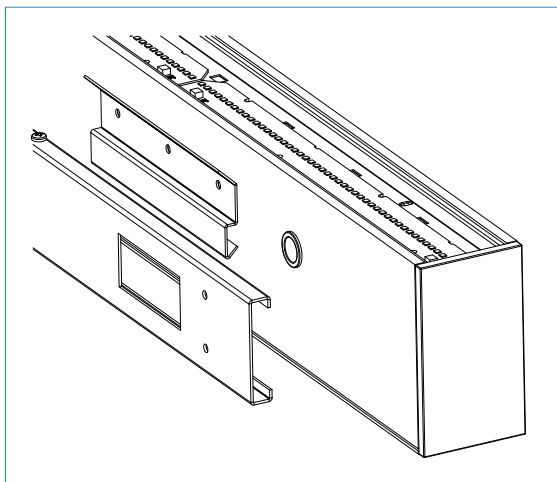
nPODM 2P DX CCT

### Typical nLight network layout with power supply, sensor and wallpod.



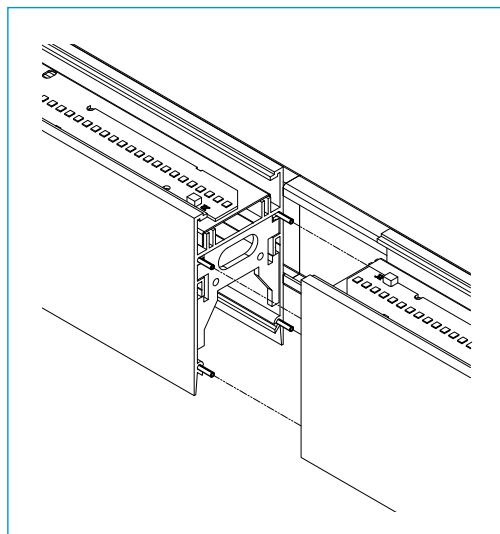
\*Note: Also applicable to linear runs. Each 4' fixture section must be connected, by CAT5 cable, to another fixture.

## Mountings

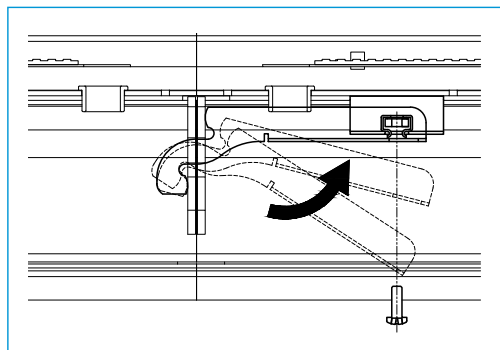


## Joiners

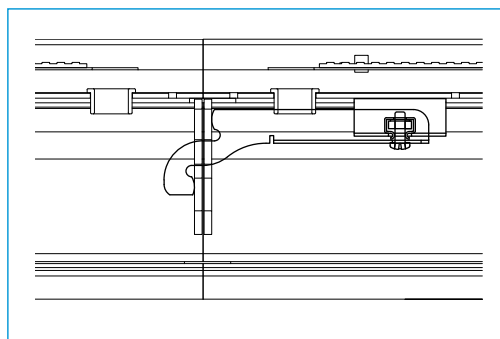
AEL Precision Row-Mount 3-step fixture-to-fixture connection method



Step 1: Align



Step 2: Engage



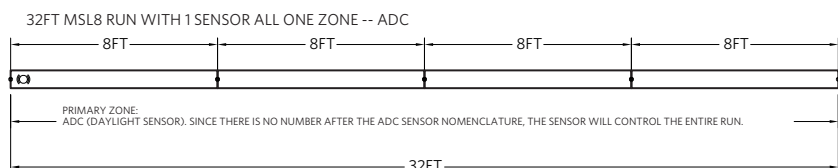
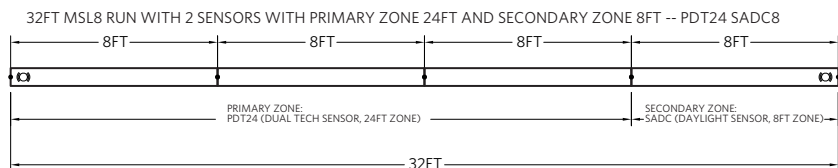
Step 3: Lock

## Continuous Runs

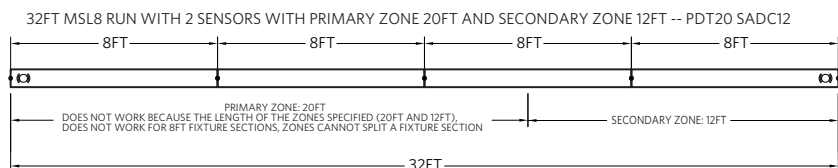
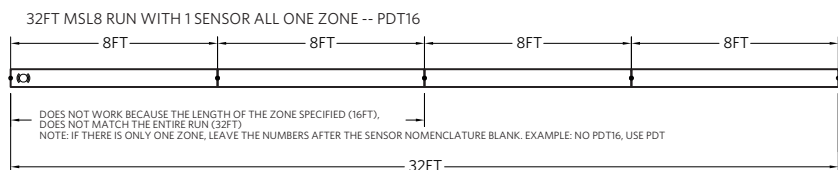
Slot 4 LED continuous rows can be configured in 1' increments and featuring the AEL precision joiner to create a hairline seam between luminaires, providing a monolithic visual aesthetic. For custom run lengths less than a 1' increment, consult factory.

### INTEGRATED SENSOR LAYOUT

#### CORRECT:



#### INCORRECT:



#### 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

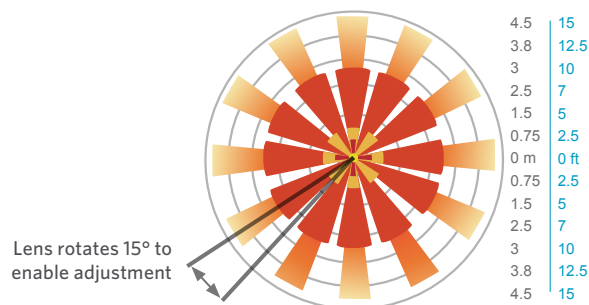
### OCCUPANCY DETECTION COVERAGE

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).

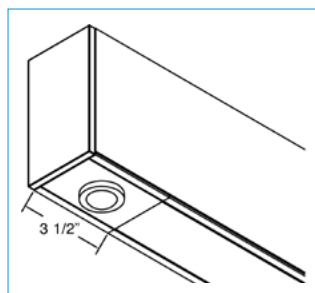
Initial detection will occur earlier when walking across sensor's field of view than when walking directly at sensor.

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.



#### Integrated Controls

Optional nLight® integrated controls make Slot LED luminaires addressable- allowing them to digitally communicate with other nLight enabled controls such as dimmers, switches, occupancy sensors and photocontrols. Simply connect all the nLight enabled control devices using standard CAT5 Cabling.



Occupancy Sensor and/or Photocell