LIGHTPLANE 3.5WL

LP3.5WL | SUSPENDED, WALL, SURFACE – WET LOCATION

SPECIFICATIONS

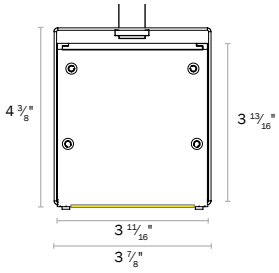
PROFILE	3.5” Aperture
SIZES	Configurable in straight run sections up to 8ft.
LED OUTPUT	125lm/ft - 1,100lm/ft
CCT/CRI	2700K/3000K/3500K/4000K • 80 or 90+ CRI Tunable White (2700K – 6500K) • RGB and RGB+W
DIMMING/ DRIVER	Integral Driver: 0-10V, DALI, DMX, eldoLED, Lutron®, PoE (Molex, Igor, NuLEDS). Dimming to 0% for select models.
POWER	3.1W - 10.7W per ft
INPUT	120VAC, 277VAC, or 347VAC
OPTICS	Lambertian distribution.
FINISHES	16 powder coat finishes Custom finishes also available
MATERIAL	6061 Extruded Aluminum
ENVIRONMENT	Outdoor, wet location. IP66 rated.

*Safety and Performance information available on last page. Output and other specifications available on page 5.

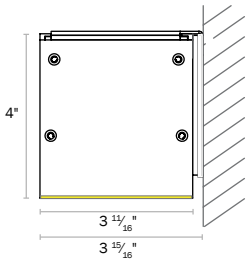
DISTRIBUTIONS & PROFILES

DIRECT

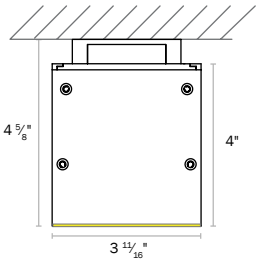
Straight Run (S)



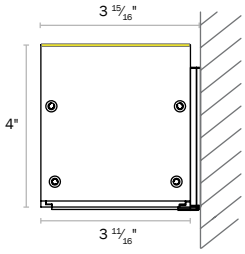
SUSPENDED



WALL MOUNT DIRECT



SURFACE MOUNT



WALL MOUNT INDIRECT

Not to scale. Dimensions are nominal. Consult factory for CAD drawing

Intertek enlighted nLIGHT PoE Ready molex igor VIVE by LUTRON COOPER NuLEDs

Rev 011425

ALW

PRODUCT SPECIFICATION SHEET

1	2	3a	3b	3c	4	5	6	7	8a	8b
	—	—		—	—	—	—	—	—	

EXAMPLE: **LP3.5WDWL — S8 — HI/90/3500 — V00 — EXT/F — AS — UNV — EMB/1 — NLT**
1 2 3 4 5 6 7 8A 8B

1. BASE MODEL (CHOOSE 1)

- ☐ **LP3.5SDWL**[1] 3.5" Suspended, Stem-Mount Direct
- ☐ **LP3.5WIWL**[2] 3.5" Wall-Mount, Indirect
- ☐ **LP3.5WDWL**[2] 3.5" Wall-Mount, Direct
- ☐ **LP3.5SMBWL**[2] 3.5" Wall/Surface, Back-Mounted

[1]Wet location, Top-Side Power Feed.
[2]Wet location, End Cap Power Feed.

2. INDIVIDUAL LENGTH* (CHOOSE 1)

- ☐ **S2** 2' Individual/Straight Run Section
- ☐ **S3** 3' Individual/Straight Run Section
- ☐ **S4** 4' Individual/Straight Run Section
- ☐ **S5**[3] 5' Straight Run (Factory-Joined) Section
- ☐ **S6**[3] 6' Straight Run (Factory-Joined) Section
- ☐ **S7**[3] 7' Straight Run (Factory-Joined) Section
- ☐ **S8**[3] 8' Straight Run (Factory-Joined) Section

*Lengths are nominal and may vary based on lamping and other specification selections.
Consult ALW when exact lengths are required
[3]Sections are NOT field-joinable. Longest uninterrupted length is 4'. Longest joined length is 8'. Disassembling fixture will VOID warranty and compromise IP rating.

3. LED LAMPING (CHOOSE 1 FOR EACH)

A. OUTPUT[4]
- ☐ **LOW** (635 lm/ft)
- ☐ **MED** (870 lm/ft)
- ☐ **HI** (1100 lm/ft)
- ☐ **RGB** (125 lm/ft)
- ☐ **TUNE** (2700K-6500K, 90 CRI, 416/450 lm/ft)
- ☐ **RGBW** (3500K, White, 80 CRI, 325 lm/ft)
- ☐ **CSTM____**[6] (Enter lumens in product code above Ex. 0100=100lm/ft)

B. CRI[5]
- ☐ **NO CRI/CCT**[7]
- ☐ **80**
- ☐ **90**

C. CCT[5]
- ☐ **2700K**[8]
- ☐ **3000K**
- ☐ **3500K**
- ☐ **4000K**

[4]For delivered lumens and watts, see 'Performance Details.'
[5]CRI/CCT options not applicable for TUNE, RGB, or RGBW lamping.
[6]Consult ALW for custom lumen packages.
[7]Choose when TUNE, RGB, or RGBW is desired output
[8]90CRI only.

4. DRIVER* (CHOOSE 1.)

- ☐ **V00** (0-10V, dim to 0%)
- ☐ **V01** (0-10V, dim to 1%)
- ☐ **V05** (0-10V, dim to 5%)
- ☐ **P01** (ELV/TRIAC Dim to 1%)
- ☐ **LDE1** (Lutron ECOSYS1, 0-10V, dim to 1%)
- ☐ **TSERIES** (Lutron Tuneable White)
- ☐ **ELDV0** (eldoLED, 0-10V, dim to 0%)
- ☐ **ELDDW** (eldoLED dim to warm)
- ☐ **DALI** (DALI, dim to 0%)
- ☐ **DMX** (DMX, dim to 0%)
- ☐ **POEM** (POE Molex)
- ☐ **POEI** (POE IGOR)
- ☐ **POEN** (POE Nuleds)
- ☐ **POE**[11] (POE Ready)

*Driver specifications provided upon request. *See page 6 for driver details.*
*Refer to all 'Driver', 'Sensor' and lamping charts for compatibility.
[9]Choose desired PoE solution not listed. Contact customer service to review and confirm the PoE system of your choice.

5. LENS* (CHOOSE 1.)

- ☐ **EXT/F** Diffuse Lens, Flush

*Looking for an asymmetric lens? Refer to ALW's SP2.5 or SP4 fixtures.

6. FINISH* (CHOOSE 1)

STANDARD FINISHES
- ☐ **SW** Satin White
- ☐ **SB** Satin Black
- ☐ **AS** Aluminum Silver Anodized Effect
- ☐ **TB** Textured Black

PREMIUM FINISHES
- ☐ **__** See chart on page 4 for premium finishes. Manually type in the finish code (Ex: OB = Oil-Rubbed Bronze)

SPECIAL ORDER FINISHES*
- ☐ **RAL____** Specify RAL Classic Color (Ex: RAL 3003)
- ☐ **CCM____** Custom Color Match

*Manually type in the finish code for special order finishes types

7. VOLTAGE (CHOOSE 1)

- ☐ **UNV** Universal Voltage (120VAC-277VAC)
- ☐ **347** 347 Volt *(Driver options may be limited. Not available with EMB)*

8a. EMERGENCY OPTIONS (OPTIONAL, CHOOSE 1)

- ☐ **EMB/__**[10] Emergency Battery *(indicate QTY — each battery powers 4ft. section @ 1492lm. Not available in 347 V)*
- ☐ **EMC/__**[10] Emergency Circuit *(indicate QTY of 4ft sections to be illuminated by emergency circuit)*

[10]For fixtures under 4ft in length, entire fixture will be illuminated with a proportional lumen output. Consult ALW for more details.

8b. SENSOR OPTIONS* (OPTIONAL, CHOOSE 1)

- ☐ **N** (None)
- ☐ **WLNX/__** (Cooper Wavelinx, remote)
- ☐ **ENLGHT/__** (Enlighted, remote)
- ☐ **FCJS/__** (Lutron, remote)
- ☐ **FCJS/S/__** (Lutron, remote + occ/daylight sensor)
- ☐ **MLX** (Molex POE, remote)
- ☐ **NLT** (nLight wired remote connection)
- ☐ **NLTAIR** (nLight AIR, remote connection)
- ☐ **OS/PH/HV/__** (Hubbel WASP remote occ/daylight sensor)

*Quickship availability on occupancy and photocell/daylight sensors may vary. Contact ALW for more information.
*Default quantity is 1 sensor per 8ft, type alternate quantity into product code above if desired. Sensor descriptions available on page 7.
*Not all sensors are compatible with all drivers. See 'Driver', 'Sensor' and lamping charts for driver details and sensor compatibility.

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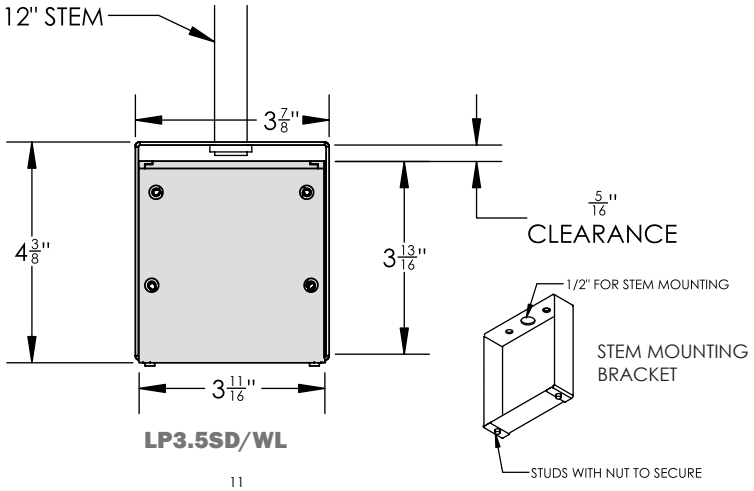
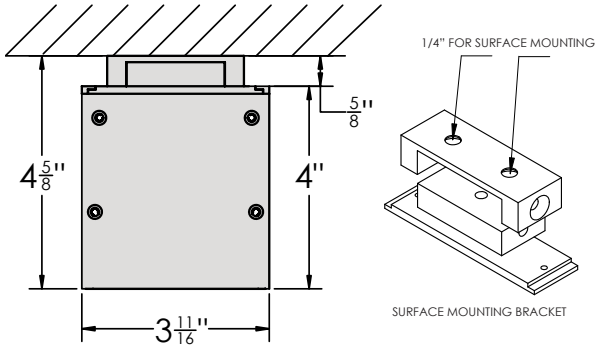
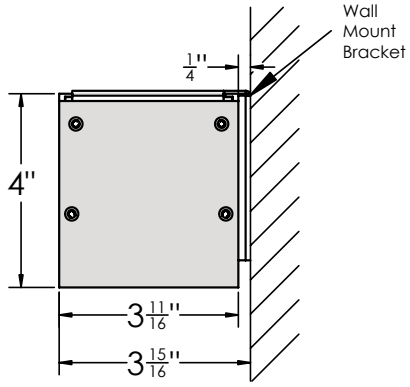
MECHANICAL DIAGRAMS



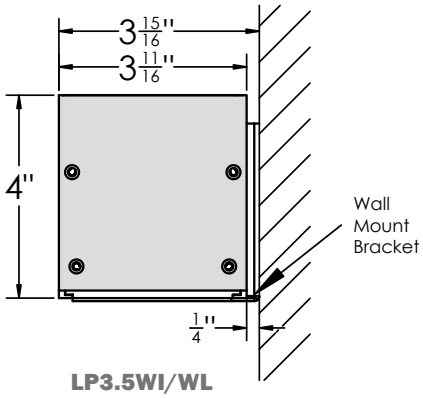
LP3.5SD/WL



LP3.5SMB/WL

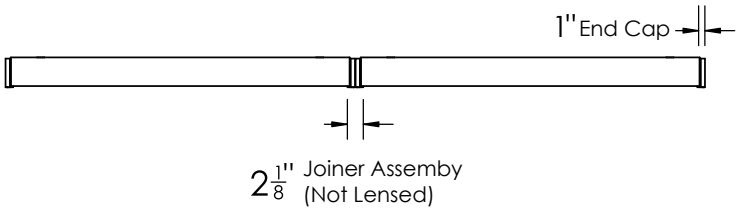


LP3.5WD/WL

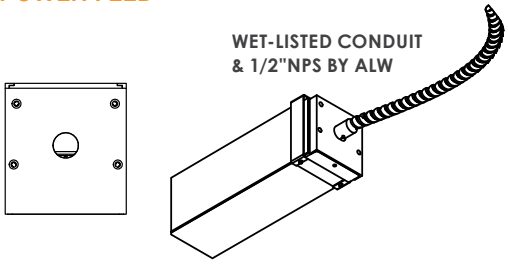


LP3.5WI/WL

END CAP & FACTORY JOINER ASSEMBLY



POWER FEED



Power feed location on end of fixture through the end cap for wall and surface mount.
Top-Side Power Feed is standard for suspended mounting.

FINISHES

Standard finishes are available at no additional charge.

STANDARD FINISHES

SW	AS	SB	TB
Satin White	Aluminum Silver Anodized Effect	Satin Black	Textured Black

PREMIUM FINISHES

BASIC POWDER COAT

GW	AW	TW
Gloss White	Antimicrobial Gloss White	Textured Matte White

METALLIC POWDER COAT

CG	CU	BR
Charcoal Gray	Copper	Brass

SATIN ANODIZED EFFECT POWDER COAT

OB	DB
Oil-Rubbed Bronze	Dark Bronze

GLOSS POWDER COAT (80-95% GLOSS)

GO	GR	GM	GB
Orange RAL 2003	Red RAL 3020	Magenta RAL 4010	Blue RAL 5015

Contact ALW Quotes for sample paint finish swatches.

SPECIAL ORDER FINISHES*

RAL CLASSIC COLORS (80-95% GLOSS): RAL_ _ _ _

Most RAL Classic Colors are available for a minimum setup fee. On your specification submittal choose your RAL color by entering the 4-digit RAL code (Ex: RAL 3003).
See www.alw-inc.com/resources/finishes

CUSTOM COLOR MATCH: CCM_ _ _ _

Custom powder coat color matching is available for a premium setup fee. Consult ALW for additional information.

*An individual setup fee will apply to each unique Special Order Finish per purchase order.
(ex: RAL 5023 and RAL 2008 are specified for multiple line items on a purchase order. 2x setup fees will apply)

*Printed or on-screen colors are only approximations - consult actual Color Chip Set before specifying

PERFORMANCE DETAILS

OUTPUT	DELIVERED LUMENS/FT	EFFICACY (LM/W)	WATTS/FT[11]	CRI OPTIONS	CCT OPTIONS
LOW[12]	635	Up to ~103	6.2	80 90	2700K (90CRI Only) 3000K 3500K 4000K 5000K
MED[12]	870		8.4		
HI[12]	1100		10.7		
TUNE	WW: 416, CW: 450	Up to ~107	8.4	90+	
RGB[13]	125	N/A	5	N/A	
RGBW[14]	RGB: 122 RGB+W: 325 White Only: 203		5	80 (White Chip)	2700K - 6500K

[11] *Lumens/Watt and Watts/ft have been calculated assuming a driver efficiency of 85%. Depending on field conditions, actual measured values may fluctuate by 5-8%..*

[12] *Performance calculations are based on LM-79 test of HI output at 80 CRI and 4000K. LOW and MED calculations are extrapolated values.*

[13] *Performance calculations are derived from LM-79 test with all RGB LEDs illuminated (Red, Green, Blue).*

[14] *Performance calculations are derived from the following LM-79 tests: 1) RGB LEDs illuminated, 2) RGB+W LEDs illuminated, 3) White LED only illuminated.*

DRIVERS

PRODUCT CODE	DESCRIPTION
N	None. Choose when indirect lamping is not desired.
V00	0-10V dimming down to 0% (dim to off).
V01	0-10V dimming down to 1%.
V05	0-10V dimming down to 5% (Down to 10% for TUNE lamping).
P01	Driver supports both TRIAC Forward Phase 2-Wire and ELV Reverse Phase 3-Wire dimming controls.
LDE1	(LDE1) Lutron Hi-lume 1% EcoSystem LED driver with Soft-on, Fade-to-Black dimming technology.
TSERIES	Lutron T-Series Tunable White Class 2 LED Driver (For use with Lutron Quantum Control Systems)
ELDV0	eldoLED 0/10V dimming down to 0% (when choosing nLight Air integral sensors a compatible eldoLED LEDcode version will be specified)
ELDDW	eldoLED 0/10V dim-to-warm dimming down to 0% (specify with TUNE LED lamping. Driver will be programmed with LightShape dim-to-warm setting)
DALI	DALI flicker-free dimming down to 0%.
DMX	DMX flicker-free dimming down to 0%.
POEM	Molex CoreSync PoE LED Driver. Contact ALW to assist with your project.
POEI	IGOR PoE LED Driver. Contact ALW to assist with your project.
POEN	NuLEDS PoE LED Driver. Contact ALW to assist with your project.
POE	Specify a PoE driver of your choice. Fixture comes with low voltage leads and no LED driver. Contact ALW to assist with your project

*Most drivers can be programmed to specific dimming levels if desired. Contact ALW for specific dimming level requests.
ALW lighting fixtures are intended for use with a wide range of sensors, lighting controls, LED drivers, and building management systems. If there are specific components required for your application that aren't listed on this spec sheet, please contact ALW customer support today to specify a compatible solution of your choice.

DRIVER/LED LAMPING COMPATIBILITY

	STD	TUNE	RGB	RGB(W)	CA TITLE 24 JA8/JA10[15]	IEEE P1789 & HD TV STUDIO[16]
V00	●	●			●	
V01	●	●			●	
V05	●	●			●	
P01	●				●	
LDE1	●				●	●
TSERIES		●			●	●
ELDV0	●	PER REQUEST			●	●
ELDDW		●				
DALI	●	●			●	
DMX	●	●		●	PER REQUEST	PER REQUEST
POEM	PER REQUEST				●	●
POEI	PER REQUEST				●	●
POEN	PER REQUEST				●	●

● - Indicates compatibility
*Standard lamping (STD) - LOW/MED/HI

[15]Fixtures specified with 90CRI 2700K, 3000K, 3500K, and 4000K lamping with applicable LED drivers have the ability to conform to California Title 24 JA8 and JA10 Appendices

[16]The following drivers conform to IEEE P1789 Flicker Standard: 'IEEE Recommended Practices for Modulating Current in High-Brightness LEDs for Mitigating Health Risks to Viewers'. These drivers may also be installed in HD TV Studio applications utilizing high frequency camera equipment.

SENSORS

	PRODUCT CODE	DESCRIPTION	Location
	N	None. Choose when sensors are not desired.	-
COOPER WAVELINX	**WLNX**	Fixture is built with 0/10V wiring to connect to Wavelinx Wireless sensors and power/relay packs (sensors and equipment not provided by ALW)	Remote
ENLIGHTED™	**ENLGHT**	Enlighted® remote connected lighting smart sensor - occ/daylight/networking (Enlighted Part: SU-5S-H-CL)	Remote
LUTRON VIVE	**FCJS**	Lutron® Vive remote RF wireless fixture control (Lutron Part: FCJS-ECO or FCJS-010)	Remote
	FCJS/S	Lutron® Vive remote RF wireless fixture control + daylight/occ sensor (Lutron Part: FCJS-ECO or FCJS-010, & FC-Sensor)	Remote
MOLEX POE CORESYNC	**MLX**	Molex PoE sensors for use with Molex/PoE drivers. Customer will need to determine who to purchase PoE equipment from	Remote
NLIGHT WIRED®	**NLT**	Fixture is built to connect to nLight Wired remote components specified by agency. Contact ALW to review project details.	Remote
NLIGHT WIRELESS®	**NLTAIR**	Fixture is built to connect to nLight Air (Wireless) remote components specified by agency. Contact ALW to review project details.	Remote
VALUE SENSORS	**OS/PH/HV**	*Hubbell WASP* **High Voltage** *0-10V remote surface mount occ/daylight sensor. 120/277/347VAC input (Hubbell Part: WSPDSMUNV)* *Automated Dimming Functionality: Connect fixture 0/10V wires to sensor in the field. Adjust occ/photocell settings as desired.* *On/Off or Manual Dimming Functionality: Turn photocell functionality OFF. Cap off 0/10V wires on sensor.* *Connect fixture 0/10V wires to wall dimmer in the field.*	Remote

*All connected lighting sensors/systems must be programmed in the field by an electrical commissioner familiar with the system. Refer to the 'Sensor Compatibility' and 'Driver/Sensor Compatibility' charts to specify compatible sensors, LED lamping, and LED driver systems.

SENSOR COMPATIBILITY

PRODUCT CODE		SENSOR TYPE	MAX MT HT	CA TITLE 24	STD*	TUNE	RGB	RGB(W)
COOPER WAVELINX	**WLNX**		15 ft	●	●			
ENLIGHTED™	**ENLGHT**	OCCUPANCY/PHOTOCELL	40 ft	●	●	CUSTOM REQUEST		
LUTRON VIVE	**FCJS**	WIRELESS CONTROL	12 ft	●	●			
	FCJS/S/	OCCUPANCY/PHOTOCELL	12 ft	●	●			
MOLEX POE CORESYNC	**MLX**		16 ft	●	●	●	CUSTOM REQUEST	CUSTOM REQUEST
NLIGHT WIRED®	**NLT**		15 ft	●	●			
NLIGHT WIRELESS®	**NLTAIR**		15 ft (average)	●	●			
VALUE SENSORS	**OS/PH/HV**	OCCUPANCY/PHOTOCELL	45 ft	●	●	■	■	■

● - Indicates compatibility ■ - On/off sensor functionality only

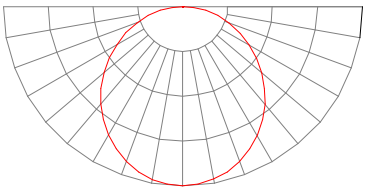
*Standard lamping (STD) - MIN/LOW/MED/HI

SENSORS (CONT'D)

DRIVER/SENSOR COMPATIBILITY									
	WLNX	ENLGHT	FCJS	FCJS/S	MLX	NLT	NLTAIR	OS/PH/HV	NO SENSOR
V00	●	●	●	●				▲	●
V01	●	●	●	●				▲	●
V05	●	●	●	●				▲	●
P01								■	●
LDE1			●	●					●
TSERIES								■	●
ELDV0						●	●	▲	●
ELDDW								■	●
DALI								■	●
DMX								■	●
POE/ MOLEX					●				●
POE/IGOR	Sensor types will depend on the PoE system configuration. Contact ALW for details.								
POE/ NULEDS	Sensor types will depend on the PoE system configuration. Contact ALW for details.								
POE/ READY	Sensor types will depend on the PoE system configuration. Contact ALW for details.								

● - Indicates compatibility
▲ - Fixture can have automated dimming via sensor OR on/off functionality and manual dimming
■ - On/off sensor functionality only

PHOTOMETRICS

OPTIC	POLAR PLOT (CD)	MTG HEIGHT	LIGHT LEVEL (FC)	SPACING CRITERION (SC)[17] (0°- 180°) (90°- 270°)	MAX INTENSITY (CD)	OUTPUT (LM/FT)
EXT/F		6 ft	21.8	1.24 1.24	784.4	1100
		8 ft	12.3			
		10 ft	7.8			
		12 ft	5.4			
		14 ft	4			
		16 ft	3.7			

*Photometric calculations based on MAX 4000K 80 CRI fixture combination. Actual results may vary in the field.
For footcandle and output multipliers refer to the ALW IES File Multipliers Chart.

[17]Spacing criterion refers to maximum distance luminaires can be spaced to provide uniform illumination on the working plane or surface.
Luminaire spacing = Spacing Criterion (SC) x Mounting Height (MH) (ex. 1.14 (SC) x 10' (MH) = 11.4' Luminaire Spacing).

ADDITIONAL OPTIONS & SPECIFICATIONS

LED PERFORMANCE

> 54,000 hours at 70% lumen maintenance, LM80 / TM-21

HOUSING

100% recyclable, extruded architectural grade 6061 aluminum with a 0.08" minimum wall thickness.

LENS OPTIONS

Extruded, twin-layered, high-impact acrylic. EXT is white and extra diffuse with minimal- to no-source visibility.

SAFETY & REGULATORY

Fixtures specified with 90CRI, 2700K, 3000K, 3500K, and 4000K lamping with applicable LED drivers have the ability to conform to **California Title 24 JA8 and JA10** Appendices. EldoLED drivers can conform to IEEE P1789 Flicker Standard: 'IEEE Recommended Practices for Modulating Current in High-Brightness LEDs for Mitigating Health Risks to Viewers .

Contact ALW customer support today and we can help you with your project requirements..

ETL Listed (U.S. & Canada). Suitable for wet locations.
Conforms to UL std. 1598, Luminaires.
Certified to CSA std. C22.2#250.0:2008 Ed. 3+G1;G2.

Recessed models are Type IC Rated and suitable for installation with direct contact to building insulation.

WARRANTY

Limited 5-year warranty. Details: alw-inc.com/warranty

OUTDOOR RATINGS

Fixture and mounting not rated for high wind environments.

IP 6 6

SOLID OBJECT INGRESS LEVEL	WATER INGRESS LEVEL
6	6
Dust tight	Protected against powerful water jets and heavy seas

OPERATING TEMPERATURE

Luminaire should be installed and operated ONLY in locations where the ambient temperature ranges from -4°F to 122°F (-20°C to 50°C). Luminaire operation in environments outside the listed temperature range voids the warranty AND may damage the product or adversely impact lamp life, lumen output and color consistency.

CONTROLS, SENSORS, & LED DRIVER

ALW lighting fixtures are intended for use with a wide range of sensors, lighting controls, LED drivers, and building management systems. Our component portfolio is continually expanding to adopt to the latest technologies and specification needs. We currently support integration with Lutron, Enlighted, nLight, Cooper Wavelinx, eldoLED, Molex PoE, NuLEDS PoE, Igor PoE, Osram, Philips, and more. If there's a component or system needed that you don't see on the spec sheet please contact ALW customer support today so we can review your requirements.

WEIGHT

The LP3.5WL weighs approximately 3.5lbs. per linear foot. Weight may vary slightly depending on lamping, driver, or additional/ emergency options selected.