LIGHTPLANE 11

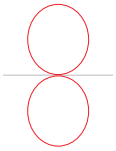
LP11 | SUSPENDED, WALL

SPECIFICATIONS

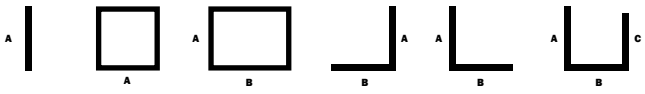
PROFILE	10 13/16" rail width
SIZES	Configurable in linear shapes and straight run sections
LED OUTPUT	Illuminated panels: 1100-1900lm/ft; 2200-7600 lumens per panel Downlights: 800-4000lm/unit
CCT/CRI	2700K/3000K/3500K/4000K • 80 or 90+ CRI
DIMMING/ DRIVER	Integral and Remote Driver: 0-10V, DALI, DMX, eldoLED, Lutron®, PoE (Molex, Igor, NuLEDS). Dimming to 0% for select models.
POWER	Downlights: 5.1 — 37.7w/unit Illuminated panels: 10.55 — 18.25w/ft
INPUT	120VAC, 277VAC, or 347VAC
OPTICS	Lambertian distribution
FINISHES	16 powder coat finishes Custom finishes also available
MATERIAL	6061 Extruded Aluminum
ENVIRONMENT	Dry or damp locations

*Safety and Performance information available on last page.
Output and other specifications available on page 6..

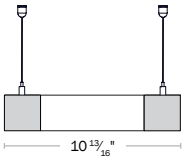
DISTRIBUTIONS & PROFILES



DIRECT/INDIRECT



Straight Run (S) | Square (SQ) | Rectangle (R) | L-Shaped Left (LL) | L-Shaped Right (LR) | U-Shaped (U)



Suspended

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

Intertek enlighted nLIGHT PoE Ready molex igor VIVE COOPER NuLEDs

Rev 011325

ALW

PRODUCT SPECIFICATION SHEET

1	2	3	4a	4b	4c	5	6a	6b	6c	6d	7	8	9	10a	10b	10c	11	12	13	14
–	–	–			–	–				–	–	–	–			–		–	–	–

15a	15b	15c
–		–

EXAMPLE: LP11S – S6 – J – HI/N/N – V00 – DL800/90/3500K/25 – HEX – V00 – 6 – NONE – N – N – SW – UNV – EMB/1 – AY/xx – SB

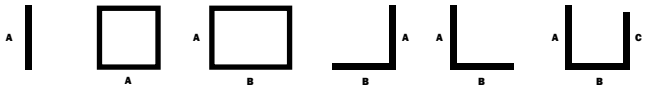
1. BASE MODEL (CHOOSE 1)

- ☐ **LP11S** Suspended
- ☐ **LP11SM1** Suspended, single head unit (Skip Section 2-5 and 9)
- ☐ **LP11WM1** Wall, single head unit (Skip Section 2-5 and 9)

2. SHAPE/LENGTH* (CHOOSE 1 & ENTER LENGTH IN FEET) — FOR CUSTOM ANGLES, CONTACT ALW

- ☐ **S__** Individual/Straight Run Section *(enter length in product code above, ex. S5)*
- ☐ **SQ__** Square Configuration *(enter side length A, ex: SQ5)*
- ☐ **R__** Rectangular Configuration *(enter side lengths A and B, ex. R5-7)*
- ☐ **LL_-_** L-Shaped, Left Configuration *(enter side lengths A and B, ex. LL5-7)*
- ☐ **LR_-_** L-Shaped, Right Configuration *(enter side lengths A and B, ex. LR5-7)*
- ☐ **U_-_-_** U-Shaped Configuration *(enter side lengths A, B, and C, ex. U5-7-4)*

*Lengths are nominal and may vary based on lamping and other specification selections. Consult ALW when exact lengths are required.
*Shape orientation (Looking from the Ceiling down to the floor).



(S) (SQ) (R) (LL) (LR) (U)

3. INDIRECT CHANNEL OPTIONS (CHOOSE 1)

- ☐ **J** No indirect uplight (skip steps 4-5)
- ☐ **I1** Indirect uplight in one channel
- ☐ **I2** Indirect uplight in two channels

4. LED LAMPING — INDIRECT* (CH. 1 FOR EACH)

A. OUTPUT*
- ☐ **LOW** (475 lm/ft)
- ☐ **MED** (750 lm/ft)
- ☐ **HI** (1030 lm/ft)
- ☐ **RGB** (140 lm/ft)
- ☐ **TUNE** (2700K-6500K, 90 CRI, 475/515 lm/ft)
- ☐ **RGBW** (3500K, White, 80 CRI, 140/220 lm/ft)
- ☐ **CSTM____** (Enter lumens in product code above. Ex. 0100=100lm/ft)

B. CRI[1]
- ☐ **NO CRI/CCT[2]**
- ☐ **80**
- ☐ **90**

C. CCT[1]
- ☐ **2700K[3]**
- ☐ **3000K**
- ☐ **3500K**
- ☐ **4000K**

*For delivered lumens and watts, see 'Performance Details'
*Consult ALW for custom lumen packages.
[1]CRI/CCT options not applicable for TUNE, RGB, or RGBW lamping
[2]Choose when TUNE, RGB, or RGBW is desired output
[3]90 CRI only.

5. DRIVER — INDIRECT* (CHOOSE 1)

- ☐ **V00** (0-10V, dim to 0%)
- ☐ **V01** (0-10V, dim to 1%)
- ☐ **V05** (0-10V, dim to 5%)
- ☐ **LDE1** (Lutron ECOSYS1, 0-10V, dim to 1%)
- ☐ **TSERIES** (Lutron tuneable white)
- ☐ **DALI** (DALI, dim to 0%)
- ☐ **DMX** (DMX, dim to 0%)
- ☐ **POEM** (POE Molex)
- ☐ **POEI** (POE IGOR)
- ☐ **POEN** (POE Nuleds)
- ☐ **POE[4]** (POE Ready)

*See 'Driver' and lamping charts for driver details and sensor compatibility.
[4]Choose desired PoE solution not listed. Contact customer service to review and confirm the PoE system of your choice.

6. ACCENT — DOWNLIGHT* (CH. 1 FOR EACH)

- ☐ **NONE** No Downlights

A. SPOT*
- ☐ **DL800** (800 lm)
- ☐ **DL1000** (1000 lm)
- ☐ **DL1500** (1500 lm)
- ☐ **DL1800** (1800 lm)
- ☐ **DL2200** (2200 lm)
- ☐ **DL2600** (2600 lm)
- ☐ **DL2900** (2900 lm)
- ☐ **DL3300** (3300 lm)
- ☐ **DL3500** (3500 lm)
- ☐ **DL4000** (4000 lm)

B. CRI
- ☐ **80**
- ☐ **90**

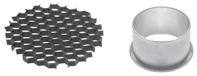
C. CCT
- ☐ **3000K**
- ☐ **3500K**
- ☐ **4000K**

D. BEAM SPREAD
- ☐ **25**
- ☐ **40**

*For delivered lumens and watts, see 'Performance Details'
*Spot from DL1800 to DL4000 in 90CRI only.

7. ACCESSORY — ACCENT DOWNLIGHT (CH. 1)

- ☐ **N** (None)
- ☐ **HEX** (Hexcell Louver)
- ☐ **SNT** (Snoot)
- ☐ **HEXSNT** (Hexcell Louver and Snoot)



HEXCELL LOUVER SNOOT

8. DRIVER — ACCENT DOWNLIGHT* (CHOOSE 1)

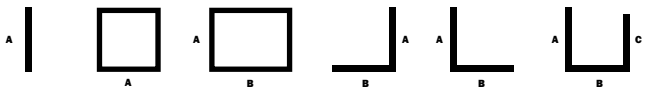
- ☐ **N**
- ☐ **V00** (0-10V, dim to 0%)
- ☐ **V01** (0-10V, dim to 1%)
- ☐ **V05** (0-10V, dim to 5%)
- ☐ **LDE1** (Lutron ECOSYS1, 0-10V, dim to 1%)
- ☐ **TSERIES** (Lutron tuneable white)
- ☐ **DALI** (DALI, dim to 0%)
- ☐ **DMX** (DMX, dim to 0%)
- ☐ **POEM** (POE Molex)
- ☐ **POEI** (POE IGOR)
- ☐ **POEN** (POE Nuleds)
- ☐ **POE[5]** (POE Ready)

*See 'Driver' and lamping charts for driver details and compatibility.
[5]Choose desired PoE solution not listed. Contact customer service to review and confirm the PoE system of your choice.

9. QUANTITY — ACCENT DOWNLIGHT (CHOOSE 1 — SKIP FOR LP9SM1 AND LP9WE1)

- ☐ **N** (None)
- ☐ **___** Enter total quantity of downlights, calculated below. (Maximum 1x per linear foot of run length) Specify quantity per dimension based upon chosen configuration A: ____ B:____ C:____, and add together.

*Shape orientation (Looking from the Ceiling down to the floor)



(S) (SQ) (R) (LL) (LR) (U)

10. LED ILLUMINATED PANEL* (CH. 1 FOR EACH)

A. MODEL
- ☐ **NONE**
- ☐ **G** (Illuminated)

B. OUTPUT
- ☐ **LOW**
- ☐ **MED**
- ☐ **HI**

C. CCT
- ☐ **3000K**
- ☐ **3500K**
- ☐ **4000K**

*If choosing None for LED illuminated panel, must select Accent - Downlight. Skip steps 11-12.

CONTINUES ON NEXT PAGE →

PRODUCT SPECIFICATION SHEET CONT'D

11. DRIVER* — ILLUMINATED PANEL (CHOOSE 1)

- ☐ **N**
- ☐ **V00** (0-10V, dim to 0%)
- ☐ **V01** (0-10V, dim to 1%)
- ☐ **V05** (0-10V, dim to 5%)
- ☐ **LDE1** (Lutron ECOSYS1, 0-10V, dim to 1%)
- ☐ **TSERIES** (Lutron tuneable white)
- ☐ **DALI** (DALI, dim to 0%)
- ☐ **DMX** (DMX, dim to 0%)
- ☐ **POEM** (POE Molex)
- ☐ **POEI** (POE IGOR)
- ☐ **POEN** (POE Nuleds)
- ☐ **POE**[6] (POE Ready)

*See 'Driver' and lamping charts for driver details and compatibility.
[6]Choose desired PoE solution not listed. Contact customer service to review and confirm the PoE system of your choice.

12. QUANTITY — ILLUMINATED PANEL (CHOOSE 1)

- ☐ **N** (None)
- ☐ **___** Use the table below to indicate quantity of illuminated panels per dimension

(NOTE: Ensure illuminated length does not exceed available run length, each downlight requires at least 1 foot of run length).

DIMENSION	QTY OF 2FT	QTY OF 3FT	QTY OF 4FT
A			
B			
C			
TOTAL:	G2/____	G3/____	G4/____

*Shape orientation (Looking from the Ceiling down to the floor)

(S) (SQ) (R) (LL) (LR) (U)

13. FINISHES* (CHOOSE 1)

STANDARD FINISHES

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

PREMIUM FINISHES

- ☐ **__** See chart on page 5 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

11. DRIVER* — ILLUMINATED PANEL (CHOOSE 1)

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

15a. EMERGENCY OPTIONS (OPTIONAL, CH. 1)

- ☐ **EMB/__** Emergency Battery *(indicate QTY — each battery powers 4ft. section @ 1492lm. Not available in 347 V)*
- ☐ **EMC/__**[7] *Emergency Circuit (indicate QTY of 4ft sections to be illuminated by emergency circuit)*

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

15b. CONTROL OPTIONS* (OPTIONAL)

- ☐ **N** None

FACTORY CONTROLS

- ☐ **OS/PH/INT/__** Integral Occupancy/ Daylight sensor
- ☐ **OS/PH/HV/__** Remote Occupancy/ Daylight sensor

NETWORK CONTROLS

Embedded controls below are placeholder specs. See the ALW Controls Guide to finalize your final control spec.

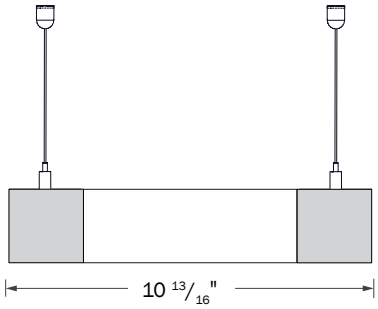
- ☐ **AY/xx** Acuity
- ☐ **AN/xx** Avi-on
- ☐ **CA/xx** Casambi
- ☐ **CW/xx/__** Cooper Wavelinx
- ☐ **EC/xx/__** Encelium
- ☐ **EN/xx/__** Enlighted
- ☐ **LU/xx/__** Lutron
- ☐ **NX/xx/__** NX Controls
- ☐ **WA/xx/__** Wattstopper

*Quickship availability on occupancy and photocell daylight sensors may vary. Contact ALW for more information.
*Contact ALW for Additional Zone specifications

15c. ADDITIONAL OPTIONS (OPTIONAL)

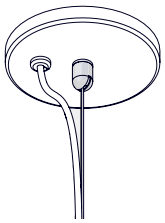
- ☐ **SB** Seismic Bracing

MECHANICAL DIAGRAMS



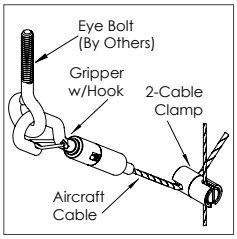
SUSPENDED

SUSPENSION MOUNTING OPTIONS



CEILING HARDWARE

- 4.5" canopy per power feed location. Canopy finish is always white. Contact ALW for alternate colors.
- Bullet mount,
- 8' aircraft cable
- 2" canopy (for use with T-bar mounting) per suspension point



SEISMIC BRACING (SB)

Add-on hardware includes cable gripper with hook, 2-cable clamp and specified length of aircraft cable per suspension point.

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)

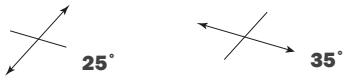
*Printed or on-screen colors are only approximations - consult actual Color Chip Set before specifying

PERFORMANCE DETAILS — DOWNLIGHTING

SPOT	DELIVERED LUMENS (LM)	WATTS (W)	EFFICACY (LM/W)	CRI	CCT OPTIONS	BEAM SPREAD OPTIONS (DEGREES)
DL800	800	5.1	157	80	3000K 3500K 4000K	25 40
DL1000	1000	6.7	150			
DL1500	1500	10.5	143			
DL1800	1800	8.2	220	90		
DL2200	2200	15.8	140			
DL2600	2600	19.8	132			
DL2900	2900	24.9	117			
DL3300	3300	22.4	148			
DL3500	3500	27.1	130			
DL4000	4000	37.7	107			

*Performance calculations are based on 80 CRI/3500K for DL800-DL1500, and 90 CRI/3500K for DL1800-DL4000.

AIMING



Perpendicular Parallel

Accent downlights are able to be aimed 25° in the perpendicular direction, and 35° in the parallel direction (with respect to the channel).

DL800
DL1000
DL1500

DL1800
DL2200
DL2600
DL2900

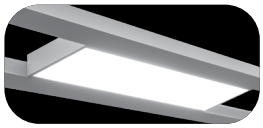
DL3300
DL3500
DL4000

PERFORMANCE DETAILS — ILLUMINATED PANELS

PANEL LENGTH	OUTPUT	DELIVERED LUMENS (LM)	WATTS (W)	EFFICACY (LM/W)	CRI	CCT OPTIONS
G2 (2FT)	LOW	2200	21.2	104	80	3000K 3500K 4000K
	MED	3000	28.8			
	HI	3800	36.4			
G3 (3FT)	LOW	3300	31.6			
	MED	4500	43.1			
	HI	5700	54.6			
G4 (4FT)	LOW	4400	42.2			
	MED	6000	57.6			
	HI	7600	73.0			

*Performance calculations tested with 80 CRI 4000K panels.

G



DRIVERS

PRODUCT CODE	DESCRIPTION
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).
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)
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	PoE Ready 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[8]	IEEE P1789 & HD TV STUDIO[9]
V00	●	●			●	
V01	●	●			●	
V05	●	●			●	
LDE1	●				●	●
TSERIES	●				●	
DALI	●	●			●	
DMX	●	●		●	PER REQUEST	PER REQUEST
POEM	PER REQUEST				●	●
POEI	PER REQUEST				●	●
POEN	PER REQUEST				●	●

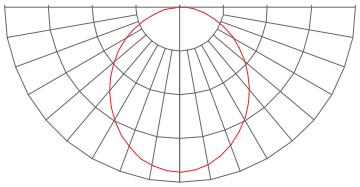
● - Indicates compatibility

*Standard lamping (STD) — LOW/MED/HI

[8]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

[9]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.

PHOTOMETRICS

OPTIC	POLAR PLOT (CD)	MTG HEIGHT	LIGHT LEVEL (FC)	SPACING CRITERION (SC)[10] (0°- 180°) (90°- 270°)	MAX INTENSITY (CD)	OUTPUT (LM/FT)
DIFF		6 ft	42.9	1.16 1.18	1546.1	1900
		8 ft	24.2			
		10 ft	15.5			
		12 ft	10.7			
		14 ft	7.9			
		16 ft	6			

*Photometric calculations based on HI 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

[10]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

LED drivers are Class 2, Linear L_{70} > 54,000 hours.
80+ CRI. Luminous flux +/- 5%.

LINEAR LENS

White opal acrylic with minimal- to no-source-visibility.

HOUSING

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

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 dry or damp locations.
For intergral driver, Conforms to UL std. 1598 luminaires.
For remote driver, Conforms to UL std. 2018 luminaires.
Certified to CSA std. C22.2#250.0:2008 Ed. 3+G1;G2.

OPERATING TEMPERATURE

Luminaire should be installed and operated ONLY in dry or damp 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.

WARRANTY

Limited 11 year warranty. Details: alw-inc.com/warranty

POWER CABLES

Power cables come standard in a transparent sheathing to match steel aircraft suspension cables. Please contact customer support if custom cables are required for your application. Power cables cannot be swapped in the field as it will void the ETL Safety Listing and Product Warranty.

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

Approximately 3 lbs. per linear foot (not including downlight option). Weight may vary depending on mounting, downlight, and additional options selected.