

LIGHTPLANE 2 WALL GRAZER LP2WG | WALL

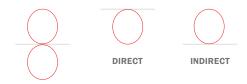


SPECIFICATIONS

PROFILE	2" Aperture
SIZES	Configurable in straight run sections.
LED OUTPUT	165lm/ft - 1,500lm/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	18 standard finishes at no extra charge Custom finishes available. Optional Natatorium Top-Coat.
MATERIAL	6061 Extruded Aluminum
ENVIRONMENT	Dry or damp location.

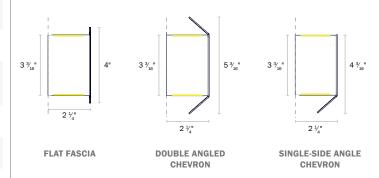
^{*}Safety and Performance information available on last page. Output and other specifications available on page 7.

DISTRIBUTIONS & PROFILES



DIRECT/INDIRECT





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

















PRODUCT SPECIFICATION SHEET -

_																
1	2	3a	3b	3с	4	5	6a	6b	6c	7	8	9	10	11a	11b	

BA	SE MODEL*	CHOOSE 1)	2. SHAPE/I	.ENGTH* (ENTER LENGTH IN FEET)	3. L	.ED LAMPING - D	IREC	T (CHOO	SE 1 FO	OR EACH)	4. D	RIVER - DIRECT* (CHOOSE	1)	
S	LP2WGF	Wall Grazer, Flat Front Fascia	QS	Individual/Straight Run Section	QS	N None. Select	when d	lirect lam	ping not	desired.	QS	V00 (0-10V, dim to 0%)	POEM (POE Molex)	
S	LP2WG1C1	Wall Grazer, Single-Side Angle		(enter length greater than 2ft in		A. OUTPUT ²		B. CRI ³	C	. CCT ³	QS	V01 (0-10V, dim to 1%)	POEI (POE IGOR)	
		Chevron Fascia		product code above, ex. S5)	QS	LOW (875 lm/ft)		NO CI	RI/CC1	6	QS	V05 (0-10V, dim to 5%)	POEN (POE Nuleds	
QS LP2WG2C Wal	Wall Grazer, Double-Side Angle				MED (1200 lm/f	t) QS	80		2700K		P01 (ELV/TRIAC Dim to 1%)	POE ⁹ (POE Ready)		
		Chevron Fascia	other specification selections. Consult ALW when exact lengths are required.		QS	HI4 (1500 lm/ft)	QS	90	QS	3000K		LDE1 (Lutron ECOSYS1, 0-10	V, dim to 1%)	
LP2W	G1C Models: Wi	nen choosing both Direct & Indirect		-4		RGB (165 lm/ft)		BIOS		3500K		TSERIES (Lutron Tuneable V	Vhite)	
ampin	g, Single-Side A	angle Chevron Fascia is mounted to				TUNE (2700K-65	500K,	(STATIO BIOS)	QS	4000K		ELDVO (eldoLED, 0-10V, dim	to 0%)	
	e Direct Lamping side at factory. The fascia plate can be ented in the field if necessary.					90 CRI, 570/615	lm/ft)	,		AMIC BIOS)		ELDDW (eldoLED dim to war	m)	
		•				RGBW (3500K,	White,	80 CRI, 3	00 lm/ft	:)		DALI (DALI, dim to 0%)		
					CSTM 5(Enter lumens in product code above.			DMX (DMX, dim to 0%)						
								0=100lm	, ,			*Driver specifications provided upon request.		
					² For Deta	delivered lumens ar	id watts	s, see 'Pe	rforman	ce		See page 10 for driver details. *Refer to all 'Driver', 'Sensor' and lamping charts for		
					CRI/CCT options not applicable for TUNE, RGB, or RGBW			com	patibility.					
					lamp 4Cox		th dire	at and ind	livoot lon	oning duo		ose desired PoE solution not liste vice to review and confirm the Po		
						Cannot specify HI for both direct and indirect lamping due to heat considerations. Other combinations (e.g. HI/MED or			cho		E system or your			
						OW) are available.								
					Consult ALW for custom lumen packages. Choose when TUNE. RGB, or RGBW is desired output.									
						7Static BIOS SkyBlue® 490nm LED is always on. Dynamic BIOS SkyBlue® 490nm LED can be tuned out								
						namic BIOS SkyBlue h most LED driver ar								
					pag	ges 8-9 for details.								
					*900	CRI only. 2700K is no	ot availa	able in Bl	OS optio	ns.				

5. LENS - DIRECT (CHOOSE 1)	6. LED LAMPING - INDIRECT (CHOOSE 1)	7. DRIVER - INDIRECT* (CHOOSE 1)	8. LENS - INDIRECT (CHOOSE 1)		
QS DG Integral, clear dust guard	A. OUTPUT¹º QS LOW (875 lm/ft) QS MED (1200 lm/ft) QS QS HI¹² (1500 lm/ft) QS QS HI¹² (1500 lm/ft) QS QS HI¹² (1500 lm/ft) QS QS HI³² (1500 lm/ft) QS QS HI³² (1500 lm/ft) QS QS 3000K RGB (165 lm/ft) BIOS¹⁵ QS 3500K (STATIC QS 4000K BIOSD¹⁵ (DYNAMIC BIOS) RGBW (3500K, White, 80 CRI, 300 lm/ft) CSTM¹³ (Enter lumens in product code above. Ex. 0100=100lm/ft) 1º For delivered lumens and watts, see 'Performance Details.' 1¹ (SRI/CCT options not applicable for TUNE, RGB, or RGBW)	QS V00 (0-10V, dim to 0%) POEM (POE Molex) QS V01 (0-10V, dim to 1%) POEI (POE IGOR) QS V05 (0-10V, dim to 5%) POEN (POE Nuleds) P01 (ELV/TRIAC Dim to 1%) POE** (POE Ready) LDE1 (Lutron ECOSYS1, 0-10V, dim to 1%) TSERIES (Lutron Tuneable White) ELDV0 (eldoLED, 0-10V, dim to 0%) ELDW (eldoLED, 0-10V, dim to 0%) DMX (DMX, dim to 0%) DMX (DMX, dim to 0%) *Driver specifications provided upon request. See page 10 for driver details. **Pefer to all "Driver", "Sensor" and lamping charts for compatibility. 3t* Choose desired PoE solution not listed. Contact customer service to review and confirm the PoE system of your choice.	QS DG Integral, clear dust guard		

QS = QuickShip-qualifying option. For the entire luminaire configuration to be QuickShip-eligible, <u>ALL</u> options specified in the configuration <u>must be</u> ones notated with "QS". NOTE: Maximum 800 ft. of QuickShip-eligible product per order.

CONTINUES ON NEXT PAGE —



9. F	INISH* (CH	HOOSE 1)	10. \	10. VOLTAGE (CHOOSE 1)			11a. EMERGENCY OPTIONS (OPTIONAL, CHOOSE 1)		
	STANDA	RD FINISHES	QS	UNV	Universal Voltage (120VAC-277VAC)	QS	EMB/ ¹⁸	Emergency Battery (indicate	
QS	AL	Anodized Aluminum	QS	347	347 Volt (Driver options may be			QTY — each battery powers 4ft.	
QS	sw	Satin White			limited. Not available with EMB)			section @ 1492lm. Not available	
QS	SB	Satin Black						in 347 V)	
		See chart on page 5 for more standard finishes. Manually type in the finish code (Ex: OB = Oil-Rubbed Bronze)				QS	EMC/ ¹⁸	Emergency Circuit (indicate QTY of 4ft sections to be illuminated by emergency circuit)	
	SPECIAL	ORDER FINISHES*				10	For fixtures und	ler 4ft in length, entire fixture will be	
	RAL	_ Specify RAL Classic Color (Ex: RAL 3003) -					illuminated wit ALW for more d	h a proportional lumen output. Consult letails.	
	CAT	Specify Catalog Colors							
	CCM	 Custom Color Match 							

11b. SENSOR OPTIONS* (OPTIONAL, CHOOSE 1)

N (None)

 $\textbf{WLNX/}__ \, (\texttt{Cooper Wavelinx}, \, \texttt{remote})$

QS ENLGHT/__ (Enlighted, remote)

FCJS/__ (Lutron, remote)

 $\textbf{FCJS/S/}__(Lutron, remote + occ/daylight sensor)$

MLX (Molex POE, remote)

NLT (nLight wired remote connection)

NLTAIR (nLight AIR, remote connection)

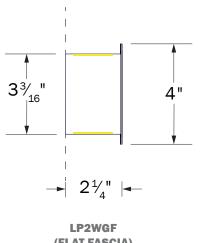
OS/PH/HV/__ (Hubbel WASP remote occ/daylight sensor)

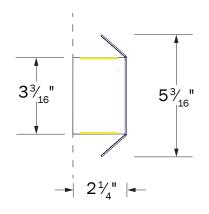
Quickship availability on occupancy and photocell/daylight sensors may vary. Contact ALW for more information.

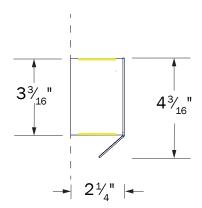
Default quantity is 1 sensor per 8ft, type alternate quantity into product code above if desired. Sensor descriptions available on page 11.

Not all sensors are compatible with all drivers. See 'Driver', 'Sensor' and lamping charts for driver details and sensor compatibility.

QS = QuickShip-qualifying option. For the entire luminaire configuration to be QuickShip-eligible, ALL options specified in the configuration must be ones notated with "QS". NOTE: Maximum 800 ft. of QuickShip-eligible product per order.



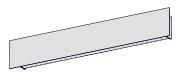


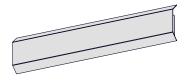


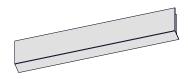
(FLAT FASCIA)

LP2WG2C (DOUBLE ANGLE CHEVRON)

LP2WG1C (SINGLE-SIDE **ANGLE CHEVRON)**







LP2WGF (FLAT FASCIA)

LP2WG2C (DOUBLE ANGLE **CHEVRON**)

LP2WG1C (SINGLE-SIDE **ANGLE CHEVRON)**



STANDARD FINISHES

Standard finishes are available at no additional charge.

ALUMINUM



Anodized Aluminum QS

BASIC POWDER COAT



METALLIC POWDER COAT



SATIN ANODIZED EFFECT POWDER COAT



GLOSS POWDER COAT (80-95% GLOSS)



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).





CUSTOM COLOR MATCH: CCM____

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



CATALOG COLORS: CAT____

The complete range of powder coat colors from Tiger Drylac and ICI catalogs are available for a minimum setup fee. Consult ALW for a catalog color you would like to specify.

- *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)



SPECIFYING FOR THE WELL BUILDING STANDARD $^{ exttt{IM}}$ - WELL $^{ exttt{IM}}$ -

ALW is committed to providing the highest quality luminaires for a multitude of applications, with many versatile lighting solutions that contribute to satisfying the WELL Building Standard. Below is a quick guide to assist you in specifying appropriate product configurations for WELL features. Links to official WELL standards can be found here.

CIRCADIAN LIGHTING DESIGN FEATURE LO3

The Circadian Lighting Design feature requires projects to provide users with appropriate exposure to light for maintaining circadian health and aligning the circadian rhythm with the day-night cycle.

To conform to these requirements, the project must meet <u>one</u> of the following 4 light level options (a, b, c, or d) below. These light levels are measured on the vertical plane at eye level of the occupant. The light levels are achieved at least between the hours of 9 a.m. and 1 p.m. and may be lowered after 8 p.m. at night.

DESIGNING WITH ELECTRIC LIGHT ONLY	DESIGNING WITH BOTH ELECTRIC LIGHT & DAYLIGHT	POINTS
a. At least 150 EML [136 melanopic equivalent daylight D65]	b. The project achieves at least 120 EML [109 melanopic equivalent daylight D65] with electric light and at least 2 points in Feature L05: Enhanced Daylight Access	1
c. At least 240 EML [218 melanopic equivalent daylight D65]	d. The project achieves at least 180 EML [163 melanopic equivalent daylight D65] with electric light and at least 2 points in Feature L05: Enhanced Daylight Access	3

Choose from a BIOS Static or BIOS Dynamic light engine to assist in a healthy, circadian lighting design. CCT, CRI, Luminous Flux Multipliers, and Melanopic Ratios are shown below for easy specification.

CIRCADIAN LIGHTING DESIGN (3PT MAX)	BIG	BIOS STATIC (BIOS)			DYNAMIC (BI	OSD)	HOW TO SPECIFY	
сст	3000K	3500K	4000K	3000K	3500K	4000K	1. Select BIOS or BIOSD for LED LAMPING	
CRI / R9	83 / 80+	83 / 80+	83 / 80+	83 / 80+	83 / 80+	83 / 80+	Select the appropriate Lumen OUTPUT Select the appropriate CCT	
LUMINOUS FLUX MULTIPLIER	0.95	0.98	1.00	0.95	0.98	1.00	See BIOS LED Lamping and Performance Details at the back of this spec sheet for lumen outputs, COI index	
MELANOPIC RATIO (R)*	0.70	0.80	0.90	0.74	0.83	0.95	values, and other additional information.	

ELECTRIC LIGHT QUALITY - PART 1: COLOR RENDERING QUALITY + PART 2: FLICKER FEATURE L07

Using light sources that have characteristics similar to daylight, including high color rendering and minimal flicker can improve comfort and well-being of users in a space and contribute to creating a healthy environment.

Part 1: Each luminaire must meet one of the following requirements (a or b) for regularly occupied spaces.

Part 2: Each luminaire must meet the IEEE 1789-2015 Standard Recommended Practice to manage flicker.

PART 1 - ENSURE COLOR RENDERING QUALITY (1PT MAX)	COMPLIANT	VALUE	HOW TO SPECIFY
a. CRI > 90	✓	CRI = 93 - 95	Select 90 (90CRI) for LED LAMPING
b. CRI > 80 with R9 > 50	✓	CRI = 83, R9 > 90	Select BIOS or BIOSD for LED LAMPING
c. IES Rf \geq 78, IES Rg \geq 100, -1% \leq IES Rcs, h1 \leq 15%	No	-	-
PART 2 - MANAGE FLICKER (1PT MAX)	COMPLIANT	VALUE	HOW TO SPECIFY
Meets IEEE 1789-2015 Standard Recommended Practice	✓	Modulation = 1% Flicker Frequency = 120 - 2000Hz	Select V05, V01, LDE1, DALI or DMX for LED DRIVER



PERFORMANCE DETAILS DIRECT OR INDIRECT LAMPING -

оитрит	DELIVERED LUMENS/FT LP2WGF LP2WG2C	EFFICACY (LM/W) LP2WGF LP2WG2C	WATTS/FT ¹⁹	CRI OPTIONS	CCT OPTIONS	
LOW ²⁰	875 640		6.2			
MED ²⁰	1200 875	Up to ~142 Up to ~104	8.4	80 90	2700K (90CRI Only) 3000K 3500K 4000K 5000K	
HI ²⁰	1500 1110		10.7			
TUNE	WW: 570, CW: 615 WW: 420, CW: 455	Up to ~148 Up to ~108	8.4	90+		
RGB ²¹	165 125		7.2	N/A		
RGBW ²²	RGB: 165/125 RGB+W: 300/225 White Only: 135/100	N/A	7.2	80 (White Chip)	2700K - 6500K	

¹⁹ 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%.

LAMPING OPTIONS -

LED Lamping limitations exist due to heat. Please follow these guidelines when specifying.

		Indirect						
		NONE	LOW	MED	HI			
	NONE	×	✓	✓	✓			
Direct	LOW	✓	✓	✓	✓			
Dir	MED	✓	✓	✓	✓			
	HI	✓	✓	✓	×			

²⁰Performance calculations are based on following LM-79 test: 80 CRI, 4000K HI output. LOW and MED calculations are extrapolated values.

²¹Performance calculations are derived from LM-79 test with all RGB LEDs illuminated (Red, Green, Blue).

²²Performance calculations are derived from the following LM-79 tests: 1) RGB LEDs illuminated, 2) RGB+W LEDs illuminated, 3) White LED only illuminated.

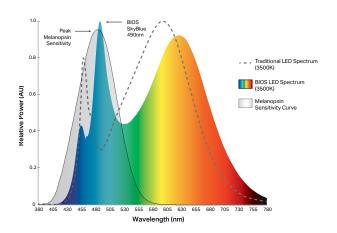


BIOS OVERVIEW



BIOS SkyBlue® technology is designed to provide the specific circadian stimulus required to improve overall sleep by featuring a distinct peak in the 'skyblue' spectral power at 490nm. Unlike traditional white LEDs, BIOS SkyBlue® makes it possible to achieve high EML (Equivalent Melanopic Lux) and Melanopic/Photopic ratios without harsh CCTs or high, glareinducing light levels.

BIOS light engines are available in Static or Dynamic options for use with a variety of applications. In Static light engines, the SkyBlue 490nm signal always remains on while the fixture is powered. Dynamic options include a dynamic board and Bio-Dimmer module to allow the user to dim-out the SkyBlue 490nm signal during night time hours.



	BIOS STATIC (BIOS)	BIOS DYNAMIC + BIO-DIMMING™ (BIOSD)
DESCRIPTION	490nm SkyBlue light signal always remains on while the fixture is powered.	Dynamic light engine with Bio-Dimming add the ability to fine-tune and dim-out the 490nm SkyBlue signal during night time hours or as desired.
TYPICAL APPLICATIONS	Environments typically occupied only during daylight hours (6am - 8pm) such as offices and schools.	Environments occupied for a 24-hour period such as hospitals, security facilities, behavioral health facilities, factories, etc.
CONTROLS & DIMMING*	Works with any standard dimming controls (0-10V, Dali, EcoSystem, ELV, Triac, DMX, Wireless, etc.). BIOS melanopic ratio remains constant as you dim down the light intensity.	

^{*}No unique wiring instructions required. However, Dynamic + Bio-Dimming™ option must be set up properly during initial startup to the desired light level setpoint. See installation guide for details.

BIOS LED LAMPING DETAILS (STATIC OR DYNAMIC)

OUTPUT	DELIVERED LUMENS (LM/FT) LP2WGF LP2WG2C	WATTS (W/FT)	EFFICACY (LM/W) LP2WGF LP2WG2C	CRI OPTIONS
LOW ²³	875 640	6.2		
MED ²³	1200 875	8.4	Up to ~142 Up to ~104	82+
HI ²³	1500 1110	6.7		

BIOS LED PERFORMANCE DETAILS

сст	CRI (Ra) Static BIOS Dynamic BIOS	CRI (R9) Static BIOS Dynamic BIOS	DAYTIME M/P RATIO ²⁴ Static BIOS Dynamic BIOS	NIGHTTIME M/P RATIO ²⁵ Static BIOS Dynamic BIOS	COl ²⁶ Static BIOS Dynamic BIOS
3000K	82	94	0.70	0.70	3.0
	83	90	0.73	0.45	3.3
3500K	83	91	0.80	0.80	3.1
	83	90	0.84	0.50	3.1
4000K	83	91	0.90	0.90	3.1
	83	90	0.95	0.55	3.1

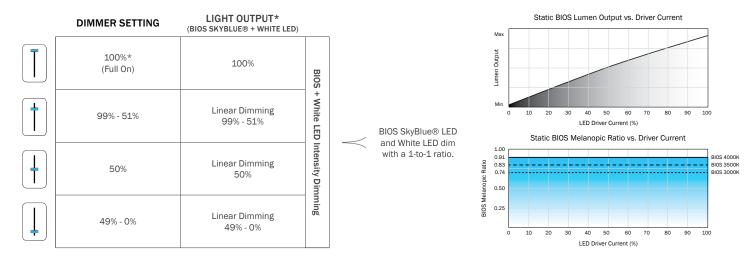
²³ Performance calculations are based on LM-79 test of BIOS 4000K, HI output. LOW, MED and HI calculations are extrapolated values.

²⁴Melanopic to photopic (M/P) ratios are used to help calculate equivalent melanopic lux (EML) values which is the metric used for circadian lighting in the WELL™ Building Standard.
²⁵Static LED nighttime M/P ratios remain the same as daytime M/P ratios as BIOS SkyBlue® always remains at full output.

²⁶BIOS SkyBlue® meets the Cyanosis Observation Index (COI) requirements for visual assessment of cyanosis, providing a COI up to 3.3.



BIOS STATIC DIMMING CONTROL CHARACTERISTICS

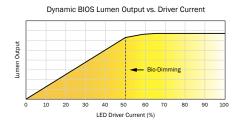


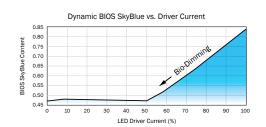
^{*}While melanopic ratio remains constant, dimming/reducing light output will have an overall impact on Equivalent Melanopic Lux (EML). That is because EML = Vertical Lux * melanopic ratio. Therefore, if you reduce light levels by dimming the LEDs, you will reduce your effective EML, even when the melanopic ratio stays constant.

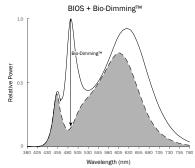
BIOS DYNAMIC + BIO-DIMMING™ DIMMING CONTROL CHARACTERISTICS

	DIMMER SETTING	BIOS SKYBLUE® LED	WHITE LED	LIGHT OUTPUT			
T	100%* (Full On)	100%	100%	100%	Bio-Dir		BIOS SkyBlue® maintained for maximum circadian impact.
†	99% - 51%	100% - 0%	100%	100% - 90%	-Dimming		Light output remains relatively constant.
	50%	NO BIOS	100%	~90%	White LED Intensity Dimming	\prec	BIOS SkyBlue® removed to provide minimal circadian
	49% - 0%	NO BIOS	100% - 0%	Linear Dimming 90% - 0%) LED Dimming		impact. White LED output dims linearly.

^{*}No unique wiring instructions required. However, Dynamic + Bio-Dimming™ option must be set up properly during initial startup to the desired light level setpoint. See installation guide for details.









DRIVERS

PRODUCT CODE	DESCRIPTION
N	None. Choose when indirect lamping is not desired.
VOO	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 STD/BIOS TUNE RGB RGB(W)		CA TITLE 24 JA8/JA10 ²⁷	IEEE P1789 & HD TV STUDIO ²⁸					
V00	•	•	•			•			
V01	•	•	•			•			
V05	•	•	•			•			
P01	•	•	•			•			
LDE1	•	•				•	•		
TSERIES			•			•	•		
ELDV0	•	•	PER REQUEST			•	•		
ELDDW			•						
DALI	•	•	•			•			
DMX	•		•		•	PER REQUEST	PER REQUEST		
POEM			PER REQI	•	•				
POEI			PER REQ	•	•				
POEN			PER REQI	UEST		•	•		

Indicates compatibility

^{*}Standard lamping (STD) - LOW/MED/HI

²⁷ 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

²⁸ 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
	FCJS	Lutron® Vive remote RF wireless fixture control (Lutron Part: FCJS-ECO or FCJS-010)	Remote
LUTRON VIVE	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										
PRODUC	T 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	•	•					
LUIRON VIVE	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) - LOW/MED/HI



SENSORS (CONT'D) -

	DRIVER/SENSOR COMPATIBILITY										
	WLNX	ENLGHT	FCJS	FCJS/S	MLX	NLT	NLTAIR	OS/PH/HV	NO SENSOR		
V00	•	•	•	•				A	•		
V01	•	•	•	•				A	•		
V05	•	•	•	•				<u> </u>	•		
P01								-	•		
LDE1			•	•					•		
ELDV0						•	•	<u> </u>	•		
TSERIES								_	•		
ELDDW								_	•		
DALI								•	•		
DMX								•	•		
POEM					•				•		
POEI		Sensor types will depend on the PoE system configuration. Contact ALW for details.									
POEN		Sensor	types will de	pend on the Po	E system con	figuration. Co	ontact ALW for	r details.			
POE		Sensor	types will de	pend on the Po	E system con	figuration. Co	ontact ALW for	r 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) ²⁹ (0°-180°) (90°-270°)	MAX INTENSITY (CD)	OUTPUT (LM/FT)
		6 ft	22.7			
		8 ft	12.8			
DG		10 ft	8.2	1.24	816	1160.5
DG		12 ft	5.7	1.18	910	1100.5
		14 ft	4.2			
		16 ft	3.2			

^{*}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

29 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

DG (Dust Guard lens) is a clear lens with greater light output, but possible 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 dry or damp locations. Conforms to UL std. 1598, Luminaires. Certified to CSA std. C22.2#250.0:2008 Ed. 3+G1;G2.

WARRANTY

Limited 11-year warranty. Details: alwusa.com/warranty

OPERATING TEMPERATURE

Luminaire should be installed and operated ONLY in dry environments 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 lbs. per linear foot. Weight may vary slightly depending on lamping, driver, or additional/emergency options selected.

WOOD VENEER

Most ALW fixture configurations are available with real wood veneer as a custom request. Contact ALW customer support so we can help you with your custom wood veneer request.