

LIGHTPLANE 3.5 SUSPENDED, WALL and SURFACE

SPECIFICATION GUIDE



LIGHTPLANE 3.5 — Suspended, Wall and Surface

Specification and Ordering Information:

TYPE:

1. Style:

-
- LP3.5SI - 3-1/2" suspended indirect
 - LP3.5SD - 3-1/2" suspended direct
 - LP3.5WI - 3-1/2" wall-mount indirect
 - LP3.5WD - 3-1/2" wall-mount direct
 - LP3.5SMB - 3-1/2" wall/surface, back-mounted, front-facing

2. Overall Run Length:

-
- Individual (2', 3', 4', 5', 6', 7', 8')
 - Continuous row or Configuration¹ (enter total run length, ex: 20')
- ¹Choose quantity of mitered corners in Additional Options

3. Linear Lamping:

-
- NONE - Select when specifying only Downlight Lamping

LED Pair lamping with CCT (where applicable), ex: HP900/2700K

- HP900/** - 900 lm/ft high performance, 7W/lf
2700K 3000K 3500K 4000K
- HP1200/** -1200 lm/ft high performance, 9W/lf
2700K 3000K 3500K 4000K
- HP1500/** -1500 lm/ft high performance, 14.5W/lf
2700K 3000K 3500K 4000K
- SP900** - 900 lm/ft standard performance, 9W/lf (3500K only)
- SPTW1000**² - 1000 lm/ft 2700K-5700K tunable white, 11W/lf
(must select DMX driver below; controller not included)
- CV450/** - 440 lm/ft decorative constant voltage, 6.5W/lf
3000K 4000K
- CV900/** - 880 lm/ft decorative constant voltage, 13W/lf
3000K 4000K
- RGB** - RGB color-changing, 5 W/lf (must select DMX driver below; controller not included)

²Raw lumens and system Watt data provided are maximum values for mid-range CCTs. Cooler and warmer CCT settings will produce lower values. lm/ft data utilizes raw lumens; W/lf data includes driver loss

FLUORESCENT Lamps not provided

- 1T5** - Standard output, 1-lamp profile T5
- 1T5HO** - High output, 1-lamp profile T5
- 1T5S** - Standard output, 1-lamp profile T5, staggered
- 1T5HOS** - High output, 1-lamp profile T5, staggered
- 2T5** - Standard output, 2-lamp profile T5
- 2T5S**³ - Standard output, 2-lamp profile T5, staggered
- 1T8** - 1-lamp profile T8
- 1T8S** - 1-lamp profile, T8, staggered
- 2T8** - 2-lamp profile T8
- 2T8S**³ - 2-lamp profile T8, staggered

³For staggered lamping, EXT lens is recommended for maximum diffusion properties

4. Linear Driver/Ballast:

-
- NONE - Select when specifying only Downlight Lamping

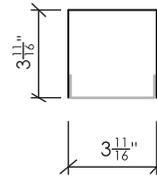
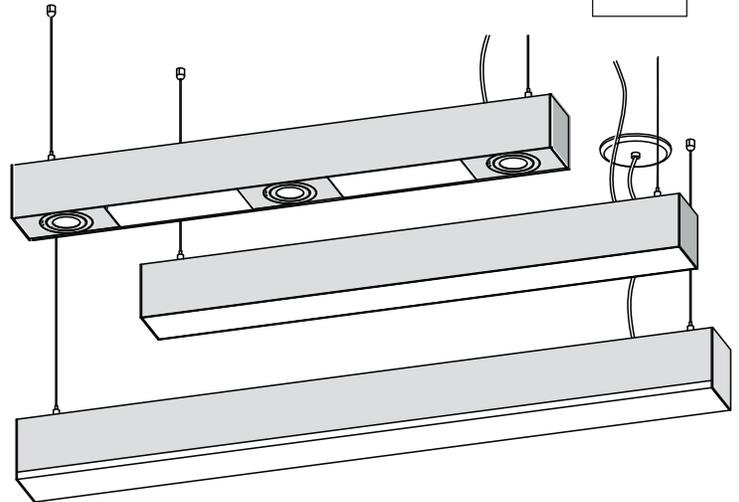
LED

- 0/10V/** - 0-10V dimming (Pair driver with dimming % below, ex: 0/10V/10%)
10% Standard dimming to 10% 1% Dimming to 1% 0% Premium dimming to 0%
- DALI** - DALI dimming to 0%
- DMX** - DMX dimming to 0%
- HILUME/A2** - Lutron Hi-Lume® A LTE line voltage 2-wire control, dimming to 1% (120v only)
- HILUME/A3** - Lutron Hi-Lume® A L3D EcoSystem® or three-wire control, dimming to 1%

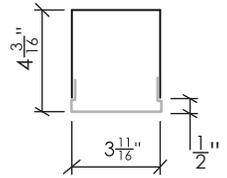
FLUORESCENT

- STD** - Standard, non-dimming, <10% THD
- FL/0/10V** - Dimming, 0-10V
- HILUME** - Lutron Hi-Lume® dimming
- BALLASTAR** - Step-down dimming

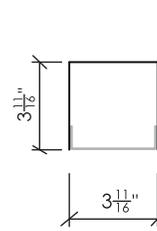
Consult ballast manufacturer for lamp/ballast compatibility
Driver/ballast specifications provided upon request to assist with control system integration



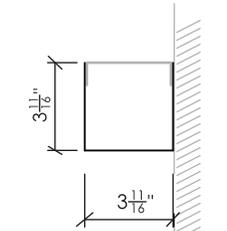
**LP3.5SD
FLUSH LENS
(EXT)**



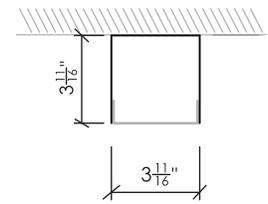
**LP3.5SD
DROPPED LENS
(DEXT)**



LP3.5WD



LP3.5WI



LP3.5SMB



CZEN800
20° aiming



CZEN1000
no aiming on
perpendicular axis

LIGHTPLANE 3.5 — Suspended, Wall and Surface

Page 2 of 3



TYPE:

6. Linear Lamping Lens:

- NONE** - Select when specifying indirect AND fluorescent lamping only
- WD**⁴ - Flush, frosted lens (LEDs may be visible when dimmed)
- EXT** - Flush, extra diffuse white lens
- DEXT** - Dropped, extra diffuse white lens
- EXT/ASY/LED** - Flush, extra diffuse white lens with asymmetric distribution (LED lamping only)
- LV**⁵ - Bladed, specular aluminum louver

⁴Not recommended with fluorescent lamps due to lamp socket shadowing

⁵When specified with LED lamping, a lightly frosted, high-transmission lens is fitted between louver and LED board

7. Downlight Lamping:

- NONE** - Select when specifying only Linear Lamping
- MR16/LED** - GU5.3 base for retrofitting with MR16 LED (lamps not included)
Lamp transformer and compatibility shall be checked by others.
ALW will provide transformer information on submittal drawings.
- CZEN800** - LED COB Downlight, 9.5W, 790lm, 40° beam, 3000K
- CZEN1000**⁶ - LED COB Downlight, 12.7W 1040lm, 40° beam, 3000K

⁶No adjustment on perpendicular axis

lm = raw lumens; Watts include driver loss

8. Downlight Driver:

- NONE** - Select when specifying only Linear Lamping OR MR16/LED
- 0/10V/** - 0-10V dimming (Pair driver with dimming % below, ex: 0/10V/10%)
10% Standard dimming to 10% 1% Dimming to 1% 0% Premium dimming to 0%
- HILUME/A2**⁷ - Lutron Hi-Lume® A LTE line voltage 2-wire control, dimming to 1% (120 volt only)
- HILUME/A3** - Lutron Hi-Lume® A L3D EcoSystem® or 3-wire control, dimming to 1%

⁷Consult dimming control manufacturer for compatibility with this driver

Driver specifications provided upon request to assist with control system integration

9. Downlight Quantity:

- NONE** - Select when specifying only Linear Lamping
- Enter total quantity downlights per run length (leave blank if none)
For total quantity considerations, please note each downlight requires 7.25" of linear length in the housing

10. Finish:

- AL** - Standard, natural "Ultimatte" aluminum
- BK** - Black powdercoat
- WH** - White powdercoat
- RAL/___** - Specify RAL powdercoat code (ex: #RAL/3003)

11. Voltage:

- 120**⁸ - 120 volt
- 277**⁸ - 277 volt
- UNV** - Universal voltage
- 347** - 347 volt (not available with dimming drivers)

⁸For MR16/LED dimming, consult LED retrofit lamp manufacturer for voltage dimmer compatibility

⁹Dimming with 277 volt not recommended for LED retrofit lamps. For dimming with CZEN800 or CZEN100 lamps using 277 volt, HILUME/A3 or 0/10V/0 driver must be specified.

12. Additional Options:

- NONE**
- EMC**¹⁰ - Emergency circuit
- EMBP**¹⁰ - Emergency battery pack
- OS**¹¹ - Occupancy sensor
- PH**¹¹ - Photocell/daylight sensor
- SB** - Seismic bracing
- MC/XX** - Mitered corners (XX= quantity of mitered corners)

¹⁰Consult factory for available options

¹¹Limitations exist depending on size and specification. Consult factory for options and details.

Continued on Next Page...

Architectural Lighting Works reserves the right to make changes to fixture design, finish and engineering at any time.

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LIGHTPLANE 3.5 — Suspended, Wall and Surface

TYPE:

Standard: Suspended Mounting



4-1/2" diameter canopy to cover 4-O octagon junction box with bullet-mount hardware



Adjustable cable grip-locks on luminaire with 8' of aircraft cable

Design Specifications

Housing

Extruded architectural grade T6061 aluminum with minimum thickness of .080". 100% recyclable.

Optics

Reflectors are formed from .040 aluminum and finished in titanium white powdercoat. Lenses are made from twin layered extruded high-impact acrylic. EXT is an extra diffuse white lens ideal for minimal-to-no lamp imaging. WD is a standard frosted lens ideal for maximum light output. LV is a single piece, aluminum louver with clear matte anodized finish.

Electrical

All ballasts are electronic <10% THD Class P. Programmed start standard and integral to channel (unless otherwise noted). Low voltage transformers are individual 60W units (277V/12V non-dim or 120/12V). All LED drivers are integral electronic Class 2 unless otherwise noted. LED light engine is LM-80 compliant with 80 CRI minimum. Multiple interface options available including dimming, motion sensing and daylight harvesting. ETL listed for damp location with lens.

Emergency

Luminaires can be wired for emergency circuit or emergency battery backup. Emergency one-lamp ballasts provide 90 minutes of illumination. T5/T5HO = initial output of 1300 lumens.

Finish

Standard finish is Ultimatte aluminum (AL) - a deep etch and two-step clear anodizing process that provides a smooth, clean and durable surface. Powdercoat options are available. Consult factory.

Option: Seismic Bracing



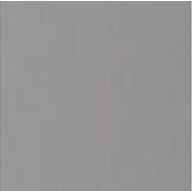
Aircraft cable can mount on side of channel to connect to seismic anchoring

Option: Mitered Angles



Consult factory for angle options

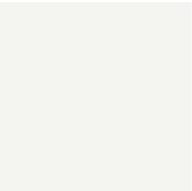
Colors and Finishes:



STANDARD: "Ultimatte" anodized aluminum



OPTION: Black - BK powdercoat



OPTION: White - WH powdercoat

RAL

OPTION: RAL - Powdercoat with any RAL color

