LADDER 2
LD2 | SURFACE

STANDARD SIZES
2" Aperture
Individual sections up to 8ft.

LAMPING
LED - Indirect - 80/90+ CRI - 2700K/3000K/3500K/4000K
Output Options: LOW/MED/HI/DECOR/Tunable White/RGB/RGB+W
Dimming down to 0%

FINISH
16 powder coat finishes
Custom finishes also available
RAL classic colors and custom color match also available

### CONSTRUCTION
Industrial Strength Extruded 6061 Aluminum

c ETL us
Intertek
ETL Listed
1598

enlighted   VIVE by LUTRON

ALW

PRODUCT SUBMITTAL WORKSHEET

SAMPLE PRODUCT CODE

LD2.6 — S5 — HI/90/3500 — 0/10V/S — EXT/R — AL — UNV — EMB/1 — OS/1
  1   2   3   4   5   6   7   8A   8B

1. BASE MODEL (CHOOSE ONE)

☐ **LD2.4**   2", Surface Mount, Indirect with 4" extension
☐ **LD2.6**   2", Surface Mount, Indirect with 6" extension
☐ **LD2.12**   2", Surface Mount, Indirect with 12" extension
☐ **LD2.18**   2", Surface Mount, Indirect with 18" extension (Not suitable for Wall Mounting)
☐ **LD2.24**   2", Surface Mount, Indirect with 24" extension (Not suitable for Wall Mounting)
☐ **LD2.36**   2", Surface Mount, Indirect with 36" extension (Not suitable for Wall Mounting)
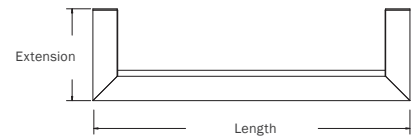
2. NOMINAL LENGTH (SELECT ONE)

☐ **S2**   2' (24") length
☐ **S3**   3' (36") length
☐ **S4**   4' (48") length
☐ **S5**   5' (60") length
☐ **S6**   6' (72") length
☐ **S7**   7' (84") length
☐ **S8**   8' (96") length

Lengths are nominal and may vary based on lamping and other specification selections. Consult ALW when exact lengths are required.

3. LED LAMPING (CHOOSE ONE UNDER A, B, & C, AS NECESSARY)

A. OUTPUT

☐ **LOW**
☐ **MED**
☐ **HI**
☐ **DECOR**
☐ **TUNE** (2700K - 6500K, 80CRI)
☐ **RGB**
☐ **RGBW** (White Chip: 3500K, 80CRI)

B. CRI[1]

☐ **80**
☐ **90**

C. CCT[2]

☐ **2700K** (90CRI Only)
☐ **3000K**
☐ **3500K**
☐ **4000K**

DELIVERED LUMENS (LM/FT)	WATTS (W/FT)	EFFICACY (LM/W)
See page 6 for complete details.		Up to 127 lm/W

[1]*CRI not applicable for DECOR, TUNE, RGB, or RGBW lamping.*
[2]*CCT not applicable for TUNE, RGB, RGBW or DECOR/2700K lamping.*

4. DRIVER[3] — DIRECT (CHOOSE ONE .STD, DECOR, TUNE & RGB(W) TABLE INDICATES COMPATIBLE LED LAMPING)

	STD[4]	DECOR	TUNE	RGB(W)	
☐ 0/10V/S	●	●	●		0-10V dimming down to 5% (Standard Dimming — Down to 10% for DECOR and TUNE lamping)
☐ 0/10V/1%	●	●	●		0-10V dimming down to 1%
☐ 0/10V/0%	●	●	●		0-10V premium dimming down to 0%
☐ ECOSYS1	●	●			(LDE1) Lutron Hi-lume 1% EcoSystem LED driver with Soft-on, Fade-to-Black dimming technology
☐ TSERIES[5]			●		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%

[3]Driver specifications provided upon request.
[4]Lutron Vive Control Systems is compatible only with STD lamping. See more information for compatible Driver under 'Sensor Options'.
[5]For use with TUNE Lamping. Lutron T-Series Driver is not compatible with Lutron Vive Lighting Control System.

5. LENS (CHOOSE ONE)

☐ **EXT/R**	Extra diffuse, reveal
☐ **WD/R**	Frosted, reveal (LEDs may be visible when dimmed)
☐ **DG**	Dust guard (no lens)

6. FINISH (CHOOSE ONE. SEE PAGE 7 FOR LARGER SWATCHES AND ADDITIONAL INFORMATION)

STANDARD FINISHES

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

PREMIUM FINISHES

BASIC POWDER COAT

☐ **GW**	Gloss White
☐ **AW**	Antimicrobial Gloss White
☐ **TW**	Textured White

SATIN ANODIZED EFFECT POWDER COAT

☐ **OB**	Oil-Rubbed Bronze
☐ **DB**	Dark Bronze

METALLIC POWDER COAT

☐ **CG**	Charcoal Gray
☐ **CU**	Copper
☐ **BR**	Brass

GLOSS POWDER COAT (80-95% GLOSS)

☐ **GO**	Orange (RAL 2003)
☐ **GR**	Red (RAL 3020)
☐ **GM**	Magenta (RAL 4010)
☐ **GB**	Blue (RAL 5015)

SPECIAL ORDER FINISHES

☐ **RAL____**	Specify RAL Classic Color (Ex: RAL 3003) - Most RAL Colors are available for powder coat. See www.alw-inc.com/resources/finishes
☐ **CCM____**	Custom Color Match - Specify a custom powder coat color match

7. VOLTAGE (CHOOSE ONE)

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

8. ADDITIONAL OPTIONS (OPTIONAL — CHOOSE ONE UNDER A & B, IF DESIRED)

A. EMERGENCY OPTIONS

☐ **EMB/__** [6]   Emergency Battery *(indicate QTY — each battery powers 4ft. section @ 1176lm. Not available in 347V)*
☐ **EMC/__** [6]   Emergency Circuit *(indicate QTY of 4ft sections to be illuminated by emergency circuit)*

[6]*For fixtures under 4ft in length, entire fixture will be illuminated with a proportional lumen output. Consult ALW for available options.*

B. SENSOR OPTIONS (DEFAULT QUANTITY IS 1 SENSOR PER UNIT)

☐ **FCJS/1**[7]   Lutron® Vive remote RF wireless fixture control (Lutron Part: FCJS-ECO or FCJS-010)
☐ **FCJS/S/1**[7]   Lutron® Vive remote RF wireless fixture control + daylight/occ sensor (Lutron Part: FCJS-ECO or FCJS-010, & FC-Sensor)
☐ **ENLGHT/1**[8]   Enlighted® remote connected lighting smart sensor (Enlighted Part: SU-5S-H) *(occupancy, daylight, networking, and more)*
☐ **OS/1**   0-10V remote occupancy sensor
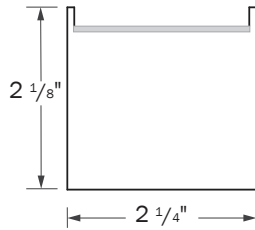☐ **PH/1**   0-10V remote photocell/daylight sensor

[7]*Lutron® Vive remote sensors are compatible with the following drivers: 0/10V/S, 0/10V/1, 0/10V/0 driver or ECOSYS. Vive Sensors are not compatible with the Lutron T-Series Tunable White Driver. Programming required by Lutron Commissioner.*
[8]*Enlighted® sensors are compatible with the following drivers: 0/10V/S, 0/10V/1, 0/10V/0. Programming required by Enlighted Commissioner. Additional Enlighted sensor families included IoT Sensors and Enlighted One Sensors are also available. Contact Customer Support for more information.*

MECHANICAL DIAGRAMS — DIMENSIONS

2 3/4"

2 1/4"
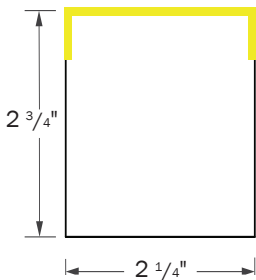
LD2
REVEAL LENS
EXT/R OR WD/R

2 1/8"

2 1/4"

LD2
NO LENS / DUST GUARD
DG

Extension
4", 6", 12", 18",
24", or 36"

Length
2', 3', 4', 5', 6', 7', or 8'
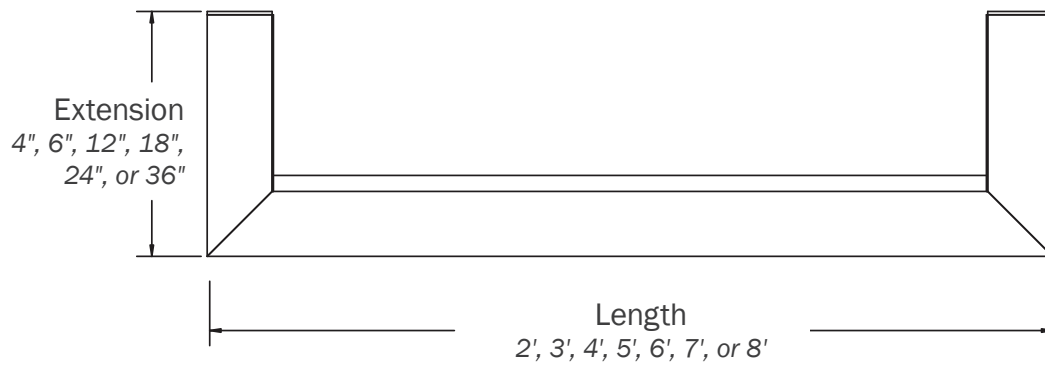
*18", 24", and 36" extensions not suitable for wall mounting.

MOUNTING DIAGRAM

2³⁄₁₆"

2¼"

2¹¹⁄₁₆"
With reveal lens
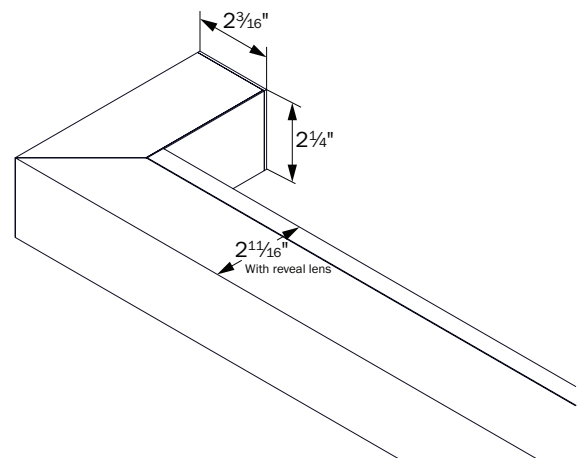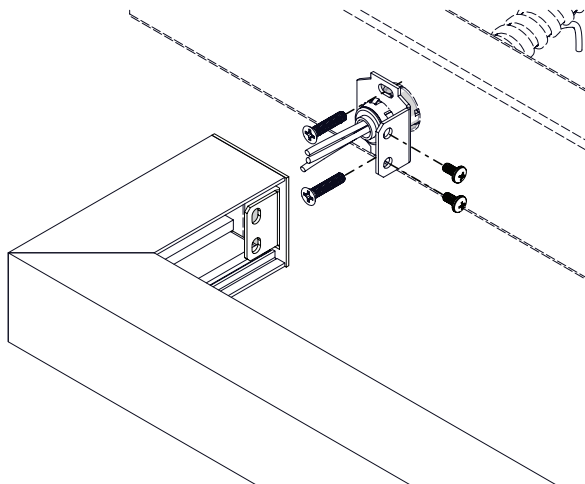
PERFORMANCE DETAILS — LED LAMPING

OUTPUT	DELIVERED LUMENS (LM/FT)	WATTS (W/FT)	EFFICACY (LM/W)	CRI OPTIONS	CCT OPTIONS
LOW[9]	675	5.3	Up to ~127	80 90	2700K (90CRI Only) 3000K 3500K 4000K
MED[9]	925	7.2			
HI[9]	1160	9.1			
DECOR	309	5.9	53	N/A	3000K 3500K 4000K
TUNE	WW: 462 CW: 508 Total: 970	8.8	Up to ~115		2700K-6500K
RGB[10]	RGB: 136	4.4	N/A		N/A
RGBW[11]	RGB: 136 RGB+W: 249 White Only: 113	4.4		80 (White Chip)	3500K (White Chip)

[9] Performance calculations are extrapolated from a goniometer test of an 80CRI 4000K 2ft. fixture.
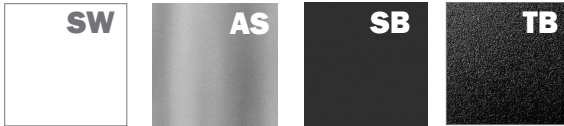[10] Performance calculations are derived from LM-79 test with all RGB LEDs illuminated (Red, Green, Blue).
[11] Performance calculations are derived from the following LM-79 tests: 1) RGB LEDs illuminated, 2) RGB+W LEDs illuminated, 3) White LED only illuminated.

FINISHES

Standard finishes are available at no additional charge.
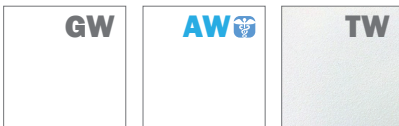
STANDARD FINISHES

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
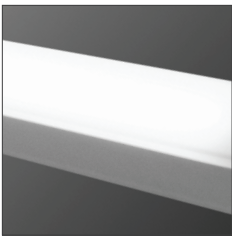
ADDITIONAL OPTIONS & SPECIFICATIONS

ELECTRICAL PERFORMANCE

LED drivers are Class 2, L_{70} > 54,000 hours.
80+/90+ CRI. Luminous flux +/- 5%.

LENS

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

REVEAL LENS
EXT/R & WD/R

HOUSING

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

SAFETY & REGULATORY

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.

OPERATING CONDITIONS

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 5-year warranty. Details: alw-inc.com/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, EldoLED, nLight, 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..