



Bionic™ | Asymmetric Wall Wash

4" Linear



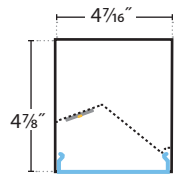
PRUDENTIAL LTG.

PRULITE.COM 213.746.0360



Type:

Job:



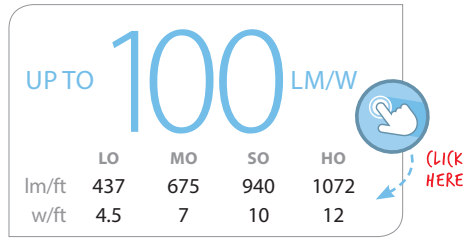
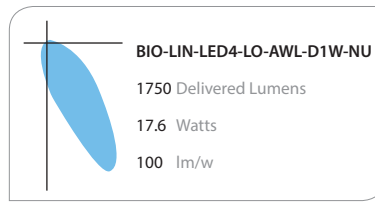
AWL-D1W Wall Wash

Open office illumination, wall washing or grazing.

Industry-best combination of optical performance, efficiency and minimal aesthetics. Armstrong™ TechZone compatible

Housing: Extruded aluminum accommodates a wide range of ceiling systems and complex installations.

Series: See also our Bionic recessed linear and Perimeter for visual continuity. Our P43 System is nearly identical with the same great optics and a budget-friendly steel housing.



Lumen output may vary +/- 5%
 4000K used for lm/ft estimates above
 3500K -2% llf, 3000K -4%, 2700K -6%
 -10% llf for 90 CRI (4K, 3500K and 3K)
See LED Details PDF for more info

SE-RIES	LED COLOR	OUTPUT	NOMINAL LENGTH	COLOR/ FINISH	SHIELD-ING	DISTRIBUTION	CIRCU-ITING	VOLT-AGE	MOUNT-ING	CEILING SYSTEMS	DRIVERS	OPTIONS, SENSORS & CORNERS
BIO-LIN		—				—						
Wall Wash	LED27 2700K (90CRI) LED3 3000K LED35 3500K LED4 4000K LED3-90 90CRI LED3-90 90CRI LED4-90 90CRI	LO Low MO Medium SO Standard HO High NOTE: Specify separate output Down / Up if desired e.g. HO/LO PROG Programmable Light Output (Specify desired lm/ft or w/ft)	2' 3' 4' 6' 8' R (Row length) NOTE: CW optic only available in even lengths, last 1" of odd lengths will be SYM. Individual fixtures are not intended for row mounting Row lengths are typically made up of 8' and 4' fixtures, (eg. 12' row is (1) 8' and (1) 4'), unless symmetric row lengths are requested	TMW Textured Matte White (Standard) YGW Gloss White Y Premium Color CC Custom Color NOTE: All canopies are painted the same color as the fixture. Consult factory to specify w	AWL Wall Wash Lens AWL-D1W-NU	CHOOSE DOWN -AND- UP DOWN: D1W Wall Wash (AWL only) UP: NU No Uplight CW Ceiling Wash SYM Sym-metric Glow ASY-R/W Asym-metric Glow ASY-R: Room Side (Optic direction) ASY-W: Wall Side	SC Single Circuit DC Dual Circuit (Two feeds required)	UNV (120-277) 347 (Emergency battery requires a Step Down transformer)	SUR Surface Mount (NU only) CA48", 96" or 144" Aircraft Cable (Adjustable) WS 1/2" Wall Spacer WS2 2" Wall Spacer WM Direct to Wall SSC Stem Mount (Specify length, Downlight only, Uplight NOT available)	X1 T-Bar 15/16" Exposed (Standard) X3 Hard Ceiling X6 Slot Grid	ND Non-Dimming DM10 0-10v, 10% Dimming (Standard) DM01 0-10v, 1% Dimming STEP Step Dimming, 100-50-Off, Osram NOTE: Lumens and watts per foot may differ for STEP drivers, consult factory LDE5 5-Series EcoSystem LED LDE1 Hi-lume 1% EcoSystem LED (Soft fade on, fade-to-black dimming) LTE Hi-lume 1% 2-Wire LED Driver (120V forward phase only) ECO 1% 0-10v, EldoLED (Logarithmic dimming std) ECDA 1% DALI, EldoLED (Logarithmic dimming std) SOLO 0.1% 0-10v, EldoLED (Dim-to-dark, Logarithmic dimming std) SODA 0.1% DALI, EldoLED (Dim-to-dark, Logarithmic dimming std)	EML* Emergency Battery, Low (D1, D1W ~ 850 delivered lumens, DIG ~ 600) EMH* Emergency Battery, High (D1, D1W ~ 1175 delivered lumens, DIG ~ 900) *4' or longer (remote for < 4') IBC Insulated Braided Cord PRUBIN Meticulous Binning and Labeling Every LED Board within a 2-Step MacAdams Ellipse SENSORS: 205* WattStopper PIR Occupancy 205-STEP: Dim to 50% 205-DM: Dim to 10% / 1% LUX* Phillips DLH ENL* Enlighted 2-Wire DLH & Environmental † Adds 3" to fixture length CORNERS: C2 90° 2-Way Lit C2X Special Angled Connector (Consult factory)



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AWL-D1W WALL WASH

Low Output:

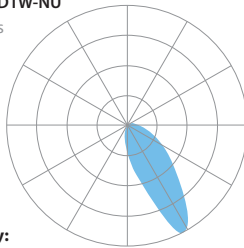
BIO-LIN-LED4-LO-AWL-D1W-NU

1750 Delivered Lumens

17.6 Watts

100 lm/w

Test #L021507501R02



Zonal Lumen Summary:

0-90 = 100%

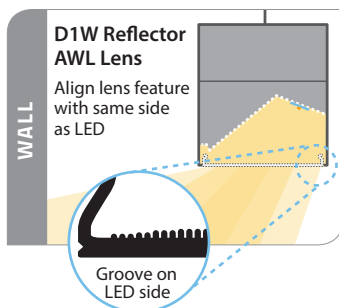
923

Vertical Angle	0°	22.5°	45°	67.5°	90°
0°	923	923	923	923	923
5°	1103	1091	1051	987	921
15°	1806	1684	1395	1116	895
25°	2434	2424	2012	1249	844
35°	1799	1887	2127	1401	764
45°	1227	1271	1460	1409	650
55°	784	804	884	1075	499
65°	450	461	488	602	317
75°	195	203	203	245	145
85°	29	31	34	40	25
90°	0	0	0	0	0

Luminance Chart:

Angle	0°	45°	90°
45°	6363	7287	3848
55°	4960	5436	3576
65°	4032	4188	3073
75°	3068	3036	2525
85°	1708	1803	1518

WALL WASH ORIENTATION



Wall Washing.

Our PruOptics™ reflector/refractor design delivers a high performance wall wash. No mechanical kickers needed.



Standard Output - 750 lm/ft	10	9'	40fc	76/16	4.75
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Footcandles on Wall

9'	26	28	29	28	26
8'	55	60	62	60	55
7'	67	73	76	73	67
6'	62	68	72	68	62
5'	51	56	59	56	51
4'	39	43	44	43	39
3'	29	31	32	32	29
2'	22	23	24	23	22
1'	16	17	17	17	16

LUMEN MAINTENANCE

Designed to last with cool running mid-power LEDs projected to maintain 90% (L90) of their initial output for 100,000 hours (at HO), and L70 exceeding 150,000 hours.

LED SYSTEM

LED modules and drivers are field replaceable.

PROG (OPTIONAL)

Programmable light output. Specify desired lumens or watts per linear foot. Min: 2½ w/ft, consult factory for requests above 12 w/ft.

BINNING

Standard binning (all Prudential LED boards) includes testing at the chip level and board integration to provide consistent color temperature within a 3-step MacAdams ellipse, with +/- 5% lumen output range and +/- .004 Duv.

PRUBIN™ (OPTIONAL)

Prudential Ltg's exclusive 'job binning' method that ensures color temperature consistency across all luminaires on a project. Meticulously testing and labeling **EVERY LED BOARD** to +/- 25 lumens, +/- 50k CCT and +/- .004 Duv — while also separating positive from negative — allows us to match color, hue and intensity throughout a project and provides a consistent color temperature within a 2-step MacAdams ellipse.

LABELS

ETL damp labeled and I.B.E.W. manufactured.

ELECTRICAL

Must specify LED dimming controls. LED fixtures have constant current driver(s) with less than 20% THD when loaded to a minimum of 60%. Drivers sink a maximum of 6mA per driver. DM10 LED drivers are 0-10V dimmable and are compatible with most 0-10V wall slide dimmers and direct 0-10V analog signal dimmers. Max driver size 1¼" w x 1" h.

CONSTRUCTION

Housing Extruded aluminum >25% PC recycled, 100% recyclable

Lens Acrylic, 100% recyclable.

MOUNTING

Surface mounted to walls or ceilings, suspended by cable or stem

WARRANTY

Single-source, 5 year limited warranty covers standard components and construction





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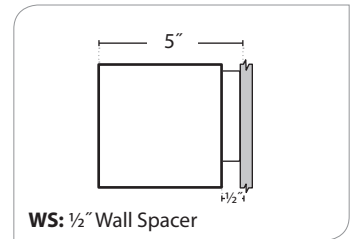
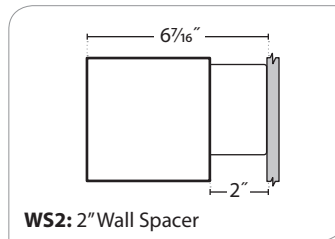
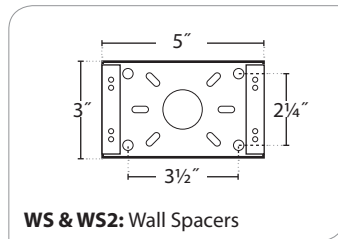
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YSW – Seashell White (Matte)	YCH – Champagne (Metallic)
YSL – Silver (Metallic)	YPE – Pewter (Matte)
YRG – Rain Grey (Gloss)	YSTM – Storm Grey (Matte)
YBK – Black (Matte)	YBB – Black (Semi Gloss)
YSKM – Sky (Matte)	YMB – Military Blue (Matte)
YIB – Interstate Blue (Matte)	YSAM – Sapphire (Matte)
YFGM – Forest Green (Matte)	YBR – Bronze (Matte)
YBY – Boysenberry (Matte)	YSRM – Sunset Red (Matte)
YOR – Orange (Matte)	YDAM – Daffodil (Matte)



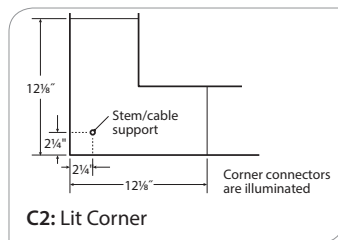
WALL MOUNTING



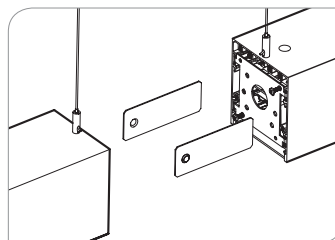
Choose from one of our Premium Colors with no set-up fee.

For paint chip samples, please email: info@prulite.com

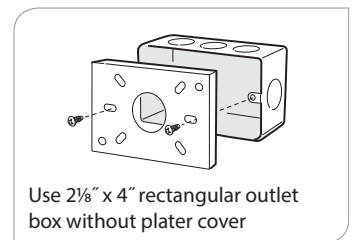
CORNERS



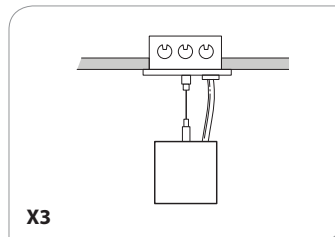
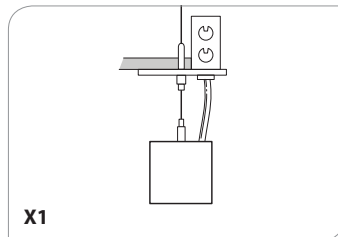
ADJOINING DETAIL



ELECTRICAL OUTLET BOX



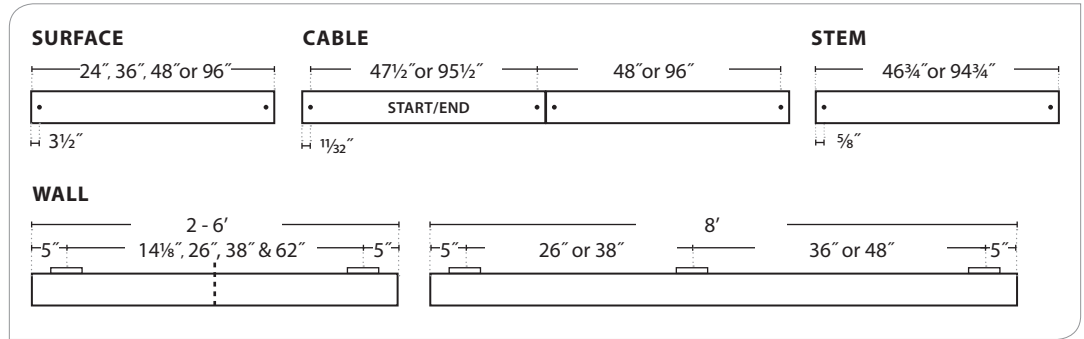
CABLE MOUNTING



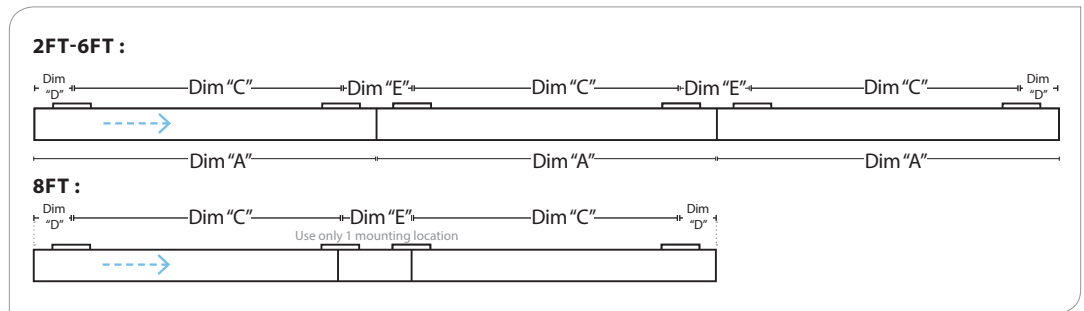
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MOUNTING LOCATIONS



WALL MOUNTING LOCATIONS



CONTROL SENSORS

