



Bionic™ | Asymmetric Wall Wash

4" Recessed



PRUDENTIAL LTG.

PRULITE.COM 213.746.0360

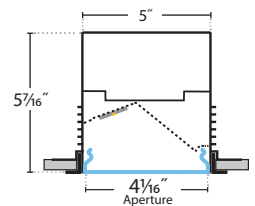
DISCONTINUED

Click for **BionicPro**



Type:

Job:



FLUSH — X3

The benchmark for recessed linear wall washes.

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.

BIO-LED4-LO-AWL-D1W
 1750 Delivered Lumens
 17.6 Watts
 100 lm/w

UPTO 100 LPW

	LO	MO	SO	HO
lm/ft	450	750	950	1075
w/ft	4.6	6.5	9.5	11

[CLICK HERE](#)

Declare.



Made in the USA

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

SERIES	LENS POSITION	LED COLOR	OUTPUT	NOMINAL LENGTH	TRIM COLOR	SHIELDING	DISTRIBUTION	CIRCUITING	VOLTAGE	CEILING SYSTEMS	DRIVERS	OPTIONS, SENSORS & LAMPS
BIO-STD	FLSH					AWL	D1W	SC				
Bionic 4" Slot Standard	FLSH Flush Lens (Recommended for Wall Wash)	LED27 2700K (90CRI) LED3 3000K LED35 3500K LED4 4000K LED3-90 90CRI LED35-90 90CRI LED4-90 90CRI	LO Low MO Medium SO Standard HO High PROG Programmable Light Output (Specify desired lm/ft or w/ft)	2' 3' 4' 6' 8' R (Row Length) NOTE: Individual fixtures are not intended for row mounting	TMW Textured Matte White (Standard) YGW Gloss White Y Premium Color CC Custom Color	AWL Acrylic Wall Wash Lens 	D1W Wall Wash	SC Single Circuit	UNV (120-277) 347 (Emergency battery requires a Step Down transformer)	X1 T-Bar 1 5/16" X1M T-Bar 9/16" X2 Dimensional T-Bar Armstrong Interlude® X6 Slot Grid X3 Hard Ceiling (Flange Trim) X7BF Hard Ceiling (Trimless Mud-over Backer Flange) M Mixed Ceiling	ND Non-Dimming DM01 0-10v, 1% Dimming (Standard) LDE1 Lutron Hi-lume 1% EcoSystem LED (Soft fade on, fade-to-black dimming) 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)	EMHE CA T20 Emergency Battery (D1, D1W ~1000 delivered lumens, D1G ~750, CA Title 20 compliant, 4' or longer [remote for < 4']) PRUBIN Meticulous Binning and Labeling every LED Board within a 2-Step MacAdams Ellipse CP Chicago Plenum SENSORS: 205-ON/OFF WattStopper PIR Occupancy 205-STEP: Dim to 50% 205-DM: Dim to 1% LUX Phillips DLH ENL Enlighted 2-Wire DLH & Environmental DOWNLIGHT MODULES: M1 12" MR16 Module (adj.) 1/50w (max) Lamp M2 12" MR16 Module (adj.) 2/50w (max) Lamp M4 Cross MR16 Module (adj.) 1/50w (max) Lamp NOTE: All MR16s by others

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AWL-D1W WALL WASH

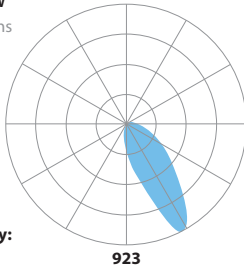
LOW OUTPUT:

BIO-LED4-LO-AWL-D1W

1750 Delivered Lumens

17.6 Watts

100 lm/w



Zonal Lumen Summary:
0-90 = 100%

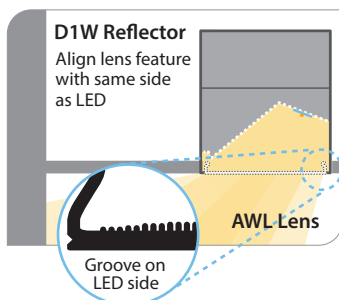
923

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:

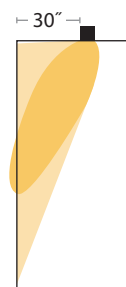
Angle	0°	45°	90°
45°	6363	7287	3848
55°	4960	5436	3576
65°	4032	4188	3073
75°	3068	3036	2525
85°	1708	1803	1518

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

CSA and 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. DM01 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.

Weight 6 lbs / Ft.

MOUNTING

Recessed into drywall or t-bar ceilings.

WARRANTY

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



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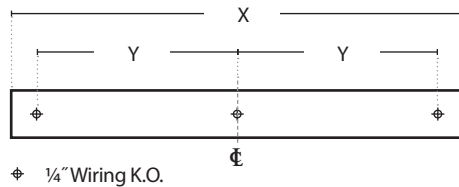
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MOUNTING LOCATIONS

Mounting Detail (1) Housing Detail for 1/4"-20



Mounting Conversion Chart

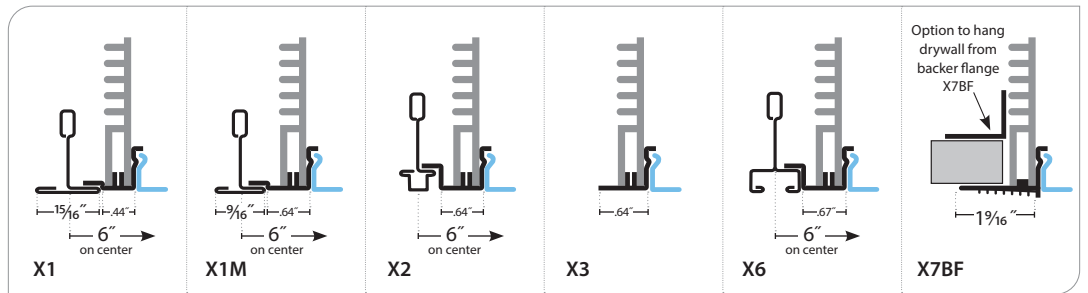
X =	2'	3'	4'	5'	6'	7'	8'
Y =*	9"	15"	21"	27"	33"	39"	45"

* From Centerline C

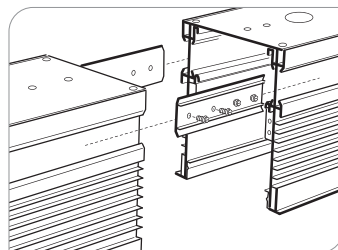
Choose from one of our Premium Colors with no set-up fee.

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

CEILING SYSTEMS



ADJOINING DETAIL





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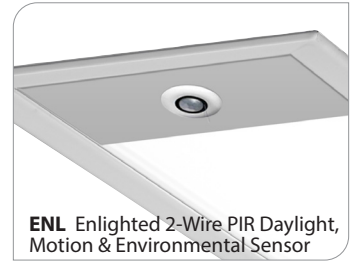
CONTROL SENSORS



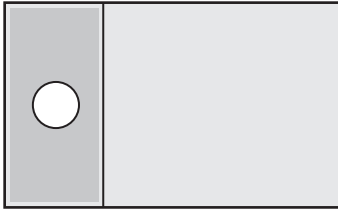
205 WattStopper PIR Occupancy



LUX Phillips LuxSense Daylight Harvesting, used with Phillips HFR Driver



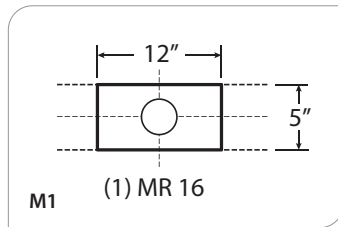
ENL Enlighted 2-Wire PIR Daylight, Motion & Environmental Sensor



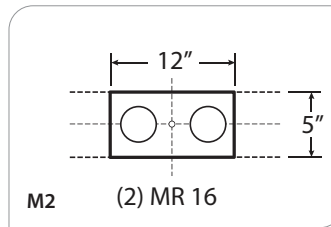
NOTE: Sensor plate will match fixture color finish
Consult factory for other sensors, please email: info@prulite.com

← 2" →

LAMPS

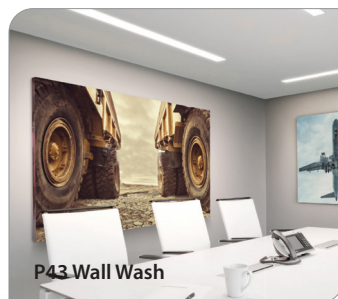


M1 (1) MR 16

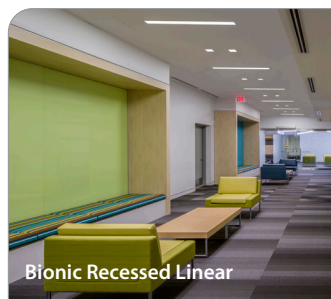


M2 (2) MR 16

COMPLIMENTARY FIXTURES



P43 Wall Wash



Bionic Recessed Linear



Bionic Perimeter Wall Grazer