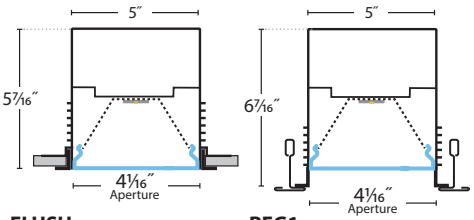
Bionic™ | Recessed Linear & Wall Wash
4˝ Slot

PRUDENTIAL LTG.

PRULITE.COM 213.746.0360

Type:

Job:

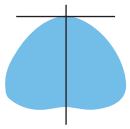


Open office illumination, wall washing or grazing.

Housing: Extruded aluminum accommodates a wide range of ceiling systems and complex installations. Armstrong™ TechZone compatible.

4 Optics: Batwing (D1X), Soft Glow (D1), Wall Wash (D1W) or precise Wall Graze (D1G).

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



BIO-STD-FLSH-LED4-LO-ABW-D1X

1784	Delivered Lumens
19	Watts
94	lm/w

DIRECT:		LO	MO	SO	HO
ABW-D1X	Lm/Ft	400	600	800	900
SAL-D1	Lm/Ft	400	600	800	900
AWL-D1W/R	Lm/Ft	400	600	800	900
AWW / D1G	Lm/Ft	400	600	800	900
	W/Ft	4.6	6.5	9.5	11

(CLICK HERE)

Declare. | LED WARRANTY 5 YEAR | PROGRESS Report 2014 SELECTION | LED Details | 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	NOM. LGTH	TRIM COLOR	SHIELDING	DISTRIBUTION	CIRCUITING	VOLTAGE	CEILING SYSTEMS	DRIVERS	OPTIONS, SENSORS, CORNERS & LAMPS
BIO-STD								SC				
Standard	FLSH Flush Lens REG1 1˝ Recessed Lens	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) Specify any row length to the 1/16˝ **NOTE:** Individual fixtures are NOT intended for row mounting	TMW Textured Matte White (Standard) YGW Gloss White Y__ Premium Color CC Custom Color	ABW Acrylic Batwing (D1X only) SAL Satin Acrylic (D1 only) AWL Acrylic Wall Wash Lens (D1W & D1R) AWW Acrylic Wall Grazer Lens (D1G only) ABW-D1X SAL-D1	D1X Symmetric Batwing with 1.4 sc (ABW only) D1 Direct (SAL only) D1W Wall Wash (AWL only) D1R Asymmetric to Room (AWL only D1G Wall Grazer (AWW only)	SC Single Circuit	UNV (120-277) 347 (Emergency battery requires a Step Down transformer)	X1 T-Bar 15/16˝ 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 (Consult factory)	ND Non- Dimming DM01 0-10v, 1% Dimming (Standard) LDE1 Lutron Hi-lume 1% EcoSystem LED (Soft fade on, fade-to-black dimming, NA - HO) 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 Emergency Battery (D1, D1W~1000, D1G~750 delivered lumens, CA Title 20 compliant; 4´ or longer [remote for < 4´]) CP Chicago Plenum PRUBIN Meticulous Binning and Labeling every LED Board within a 2-Step MacAdams Ellipse **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 **CORNERS:** C2I Lit 90˚ 2-Way — Inside C2O Lit 90˚ 2-Way — Outside C2X Special Angled Connector (Consult factory) C3 T-Shape 3-Way Connector C4 90˚ 4-Way Mitered Connector C8I Wall to Ceiling Inside C8O Wall to Ceiling Outside **DOWNLIGHT MODULE:** M1 12˝ Downlight Module (adj.) 1/50w (max) Lamp M2 12˝ Downlight Module (adj.) 2/50w (max) Lamp M4 Cross Downlight Module (adj.) 1/50w (max) Lamp **NOTE:** Lamps by others

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4˝ Slot

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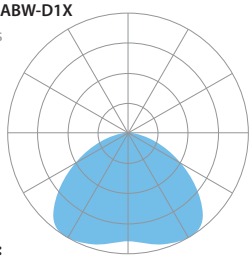
BATWING

LOW OUTPUT:
BIO-STD-FLSH-LED4-LO-ABW-D1X

1642 Delivered Lumens
16 Watts
103 lm/w
4000 CCT



Zonal Lumen Summary:
0-90 = 100%

639

Vertical Angle	0°	25°	45°	65°	90°
0°	572	572	572	572	572
5°	566	570	594	587	591
15°	538	566	604	629	639
25°	485	539	592	611	616
35°	411	443	488	544	544
45°	326	397	438	427	405
55°	238	293	317	275	244
65°	155	193	196	156	137
75°	79	91	88	69	61
85°	21	19	18	16	15
90°	0	0	0	0	0

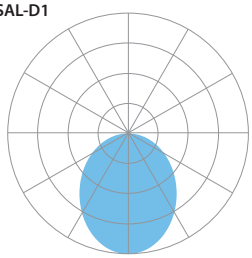
Luminance Chart:

Angle	0°	45°	90°
45°	3921	5268	4869
55°	3526	4698	3626
65°	3123	3952	2765
75°	2612	2889	2014
85°	2036	1750	1416

SATIN ACRYLIC

LOW OUTPUT:
BIO-STD-FLSH-LED4-LO-SAL-D1

1934 Delivered Lumens
19 Watts
101 lm/w
4000 CCT



Zonal Lumen Summary:
0-90 = 100%

885

Vertical Angle	0°	25°	45°	65°	90°
0°	885	885	885	885	885
5°	876	877	878	875	874
15°	828	825	815	803	797
25°	739	727	704	681	670
35°	619	601	569	540	525
45°	484	463	429	402	388
55°	349	330	302	402	388
65°	229	216	196	181	174
75°	115	109	97	90	86
85°	28	26	24	23	23
90°	0	0	0	0	0

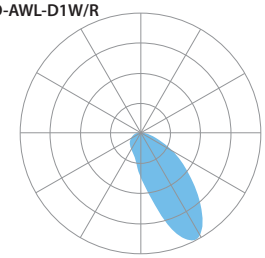
Luminance Chart:

Angle	0°	45°	90°
45°	5823	5168	4667
55°	5173	4484	3997
65°	4618	3950	3500
75°	3768	3189	2841
85°	2711	2362	2243

WALL WASH & PERIMETER

STANDARD OUTPUT:
BIO-STD-FLSH-LED35-SO-AWL-D1W/R

3220 Delivered Lumens
33 Watts
96 lm/w
3500 CCT



Zonal Lumen Summary:
0-90 = 100%

2681

Vertical Angle	0°	22.5°	45°	67.5°	90°
0°	824	824	824	824	824
5°	1028	1018	966	892	825
15°	1720	1626	1372	1050	801
25°	2242	2168	1829	1204	751
35°	1668	1722	2006	2423	755
45°	2004	2043	1988	1315	676
55°	906	935	1040	1050	446
65°	486	515	580	627	290
75°	196	209	245	271	140
85°	41	41	47	52	27
90°	0	0	0	0	0

Luminance Chart:

Angle	0°	45°	90°
45°	18071	20508	7287
55°	14161	16249	6966
65°	10306	12293	6154
75°	6759	8584	4857
85°	4200	4815	2818

NOTE: D1R - Use D1W IES Files and flip in room application software.

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 1.65˝ w x 1.25˝ 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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4″ Slot

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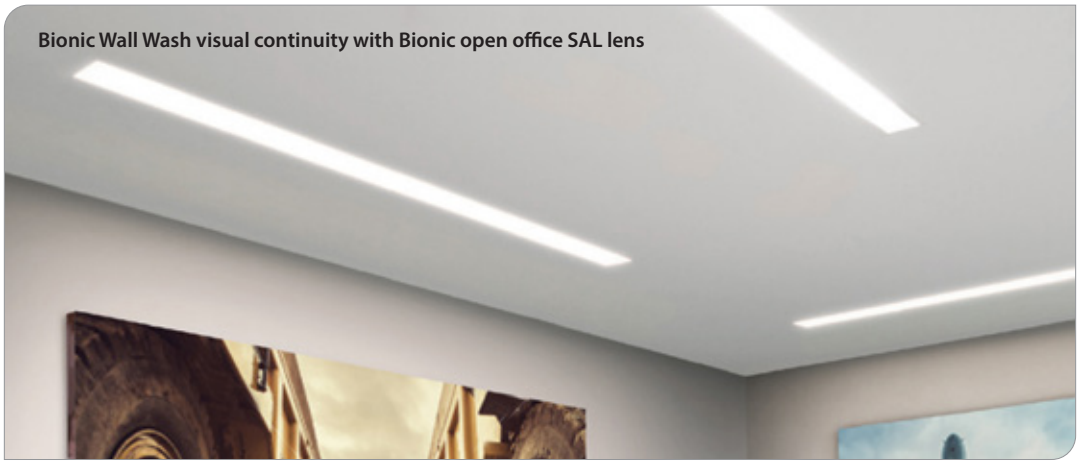
YSW – Seashell White (Matte)
YCH – Champagne (Metallic)
YSL – Silver (Metallic)
YPE – Pewter (Matte)
YRG – Rain Grey (Gloss)
YSTM – Storm Grey (Matte)
YBK – Black (Matte)
YBB – Black (Semi Gloss)
YSKM – Sky (Matte)
YMB – Military Blue (Matte)
YIB – Interstate Blue (Matte)
YSAM – Sapphire (Matte)
YFGM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

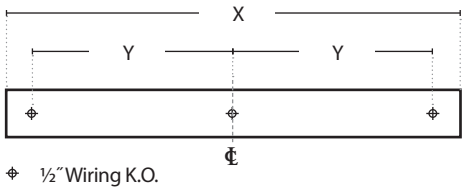
Choose from one of our Premium Colors with no set-up fee.

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


Bionic Wall Wash visual continuity with Bionic open office SAL lens

MOUNTING LOCATIONS

Mounting Detail (1) Housing Detail for ¼″-20



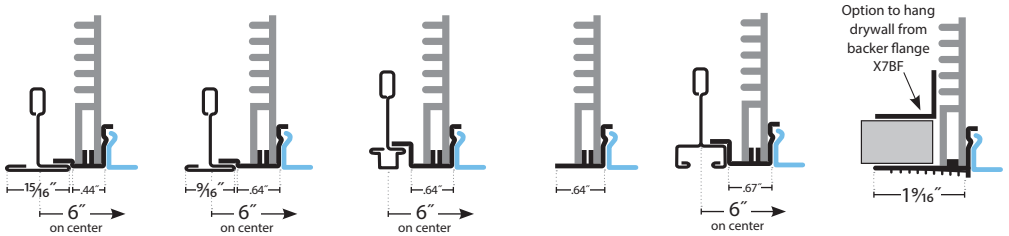
⌖ ½″ Wiring K.O.

Mounting Conversion Chart

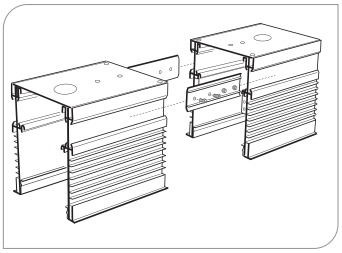
X =	2′	3′	4′	5′	6′	7′	8′
Y =*	9″	15″	21″	27″	33″	39″	45″

* From Centerline ℄

CEILING SYSTEMS



ADJOINING DETAIL



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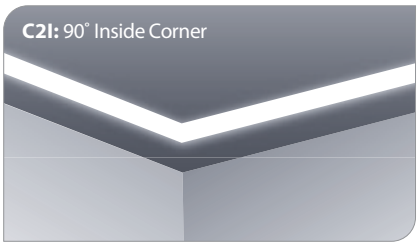
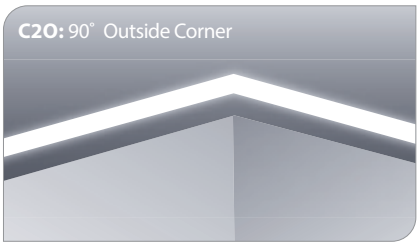
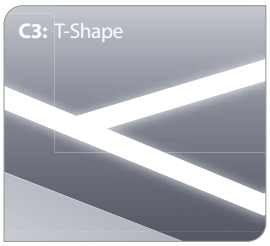
PATTERNS / CORNERS



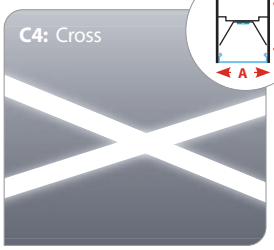
C2I: 90° Inside Corner



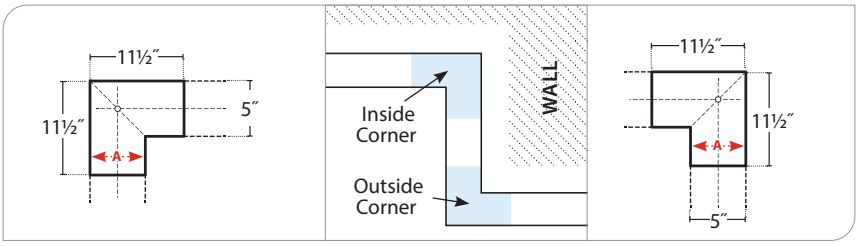
C2O: 90° Outside Corner

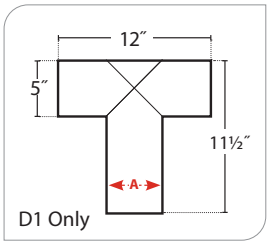


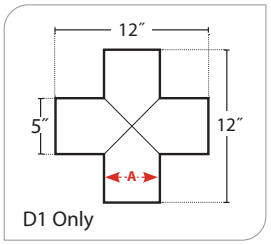
C3: T-Shape

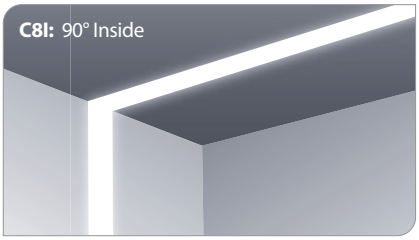


C4: Cross

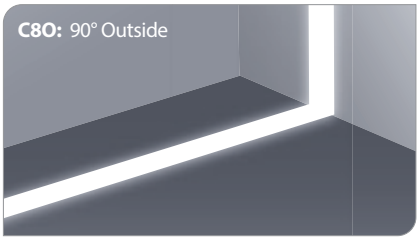




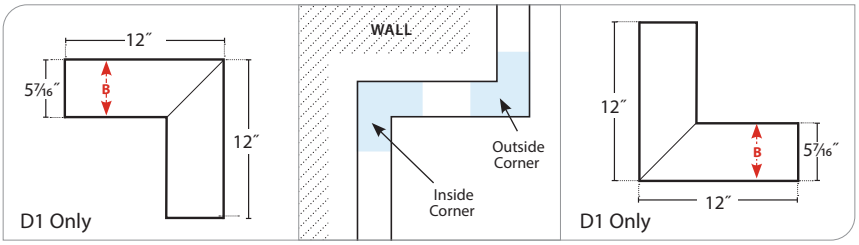




C8I: 90° Inside



C8O: 90° Outside



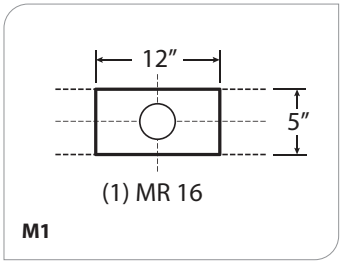
CONTROL SENSORS

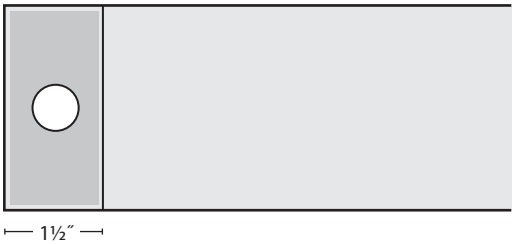
205 WattStopper PIR Occupancy

LUX Phillips LuxSense Daylight Harvesting, used with Phillips HFR Driver

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

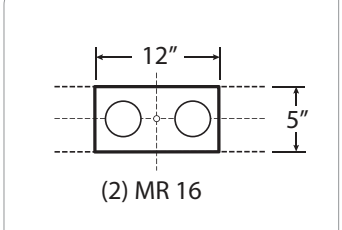
LAMPS





NOTE: Sensor plate will match fixture color finish

Consult factory for other sensors, please email: **info@prulite.com**



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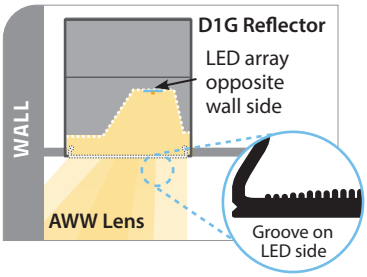
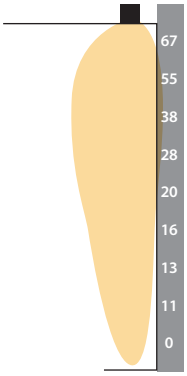
4˝ Slot

WALL GRAZER ORIENTATION



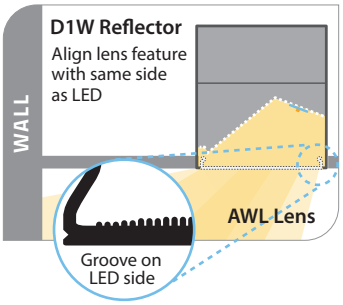
Smooth Wall Grazing.

A tight, focused beam grazes wall textures evenly, accenting and highlighting details to elevate the visual drama.



	Watts/Ft.	Ceiling Height	Average Illuminance	Max	Min	Max/Min Ratio
Standard Output - 750 lm/ft	10	9´	40fc	76fc	16fc	4.75

WALL WASH ORIENTATION



Wall Washing.

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

	Watts/ Ft.	Ceiling Height	Average Illuminance	Max/Min	Max/Min Ratio
Standard Output - 750 lm/ft	10	9´	40fc	76/16	4.75

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

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