



P43 | Recessed Linear 4" Slot



PRUDENTIAL LTG.

PRULITE.COM 213.746.0360

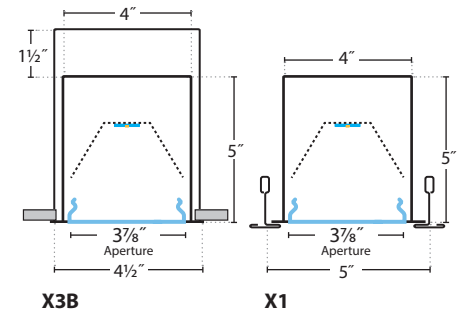
DISCONTINUED

Click for **BionicPro**



Type:

Job:



Open office illumination, wall washing or grazing, P43 has it all.

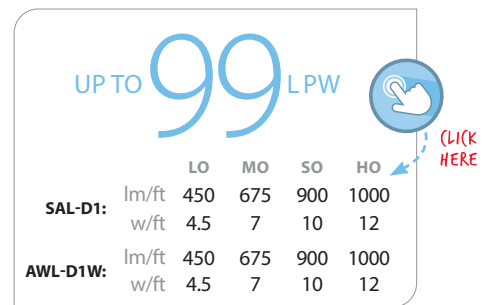
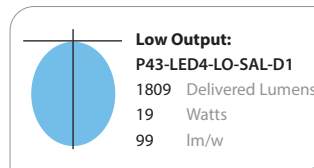
Industry best combination of optics, efficacy and aesthetics.
See our Bionic Series for the same great optics with an aluminum housing.

P40 SERIES INCLUDES:

P40 - Direct Linear (Wash & Graze Optics)

P46 - Direct/Indirect Linear (Wash & Graze Optics)

P42 - 1" Regress Recessed Linear



Declare.



Made in the USA

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

SE-RIES	LED COLOR	OUT-PUT	NOMINAL LENGTH	TRIM COLOR	SHIELDING	DISTRIBUTION	CIRCU-TING	VOLT-AGE	CEILING SYSTEMS	DRIVERS	OPTIONS, SENSORS & CORNERS
P43						D1	SC				
4" Slot	LED27 2700K (90CRI) LED3 3000K LED35 3500K LED4 4000K LED3-90 90CRI LED35-90 90CRI LED4-90 90CRI	LO Low MO Me-dium SO Stan-dard HO High PROG Pro-gram-mable Light Out-put (Specify desired lumens or watts per fixture)	2' 3' 4' 6' 8' R (Row length) NOTE: Individual not intended for row mounting	TMW Textured Matte White (Standard) YGW Gloss White Y_ Pre-mium Color CC Custom Color	SAL* Satin Acrylic Lens OPL* Opal Frost Lens SPL-OL* Silver Parabolic Louver BLA-OL* Bladed Louver Anodized BLW-OL* Blade Louver White * D1 only † Louvers have a thin acrylic overlay masking LEDs AWL Acrylic Wall Wash Lens (D1W / D1R only) AWW Acrylic Wall Grazer Lens (D1G only)	D1 Direct (SAL, OPL, SPL-OL, BLA-OL or BLW-OL) D1W Wall Wash (AWL only) D1R Asymmet-ric 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 1 1/2" Exposed X1M T-Bar 3/4" Exposed X2 Dimensional T-bar Arm-strong Interlude® X6 Slot Grid X3B Hard Ceiling Flange Trim (Overhead mounting brackets) X7 Hard Ceiling (Trimless mud-over concealed flange)	ND Non-Dimming DM01 0-10v, 1% Dimming (Standard) LDE1 Lutron Hi-lume 1% EcoSystem LED (Soft fade on, fade-to-black dimming, Lutron 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) 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-DIM: 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 (Consult factory) C8I Wall to Ceiling Inside C8O Wall to Ceiling Outside



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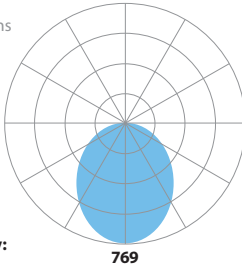
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SAL-D1 GLOW

Low Output:

P43-LED4-LO-SAL-D1

1809 Delivered Lumens
19 Watts
99 lm/w
4000 CCT
Test #102953252LAX-004



Zonal Lumen Summary:
0-90 = 100%

769

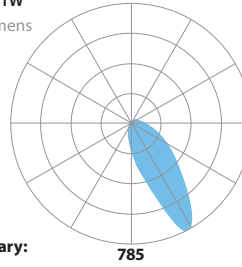
Vertical Angle	0°	25°	45°	65°	90°
0°	769	769	769	769	769
5°	762	763	763	760	760
15°	720	717	709	698	693
25°	642	632	612	592	582
35°	538	522	494	469	457
45°	421	403	373	349	337
55°	303	303	263	243	234
65°	199	188	171	157	151
75°	100	93	84	78	75
85°	24	23	21	21	20
90°	0	0	0	0	0

WALL WASH (AND D1R)

Standard Output:

P43-LED3-SO-AWL-D1W

3681 Delivered Lumens
39 Watts
94 lm/w
3000 CCT
Test #32273



Zonal Lumen Summary:
0-90 = 100%

785

Vertical Angle	0°	22.5°	45°	67.5°	90°
0°	785	785	785	785	785
5°	979	969	920	850	786
15°	1638	1548	1307	1000	763
25°	2136	2065	1742	1147	715
35°	1909	1946	1894	1253	644
45°	1358	1400	1541	1238	548
55°	863	890	991	1000	425
65°	463	491	552	597	276
75°	186	199	236	258	134
85°	39	40	45	50	26
90°	0	0	0	0	0

Luminance Chart:

Angle	0°	45°	90°
45°	19987	22681	8059
55°	15662	17972	7704
65°	11399	13595	6806
75°	7475	9493	5372
85°	4645	5326	3117

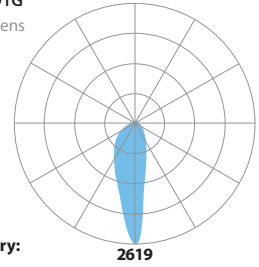
NOTE: D1R - Use D1W IES Files and flip in room application software.

WALL GRAZER

High Output:

P43-LED4-HO-AWW-D1G

2899 Delivered Lumens
47.4 Watts
61 lm/w
4000 CCT
Test #31700



Zonal Lumen Summary:
0-90 = 100%

2619

Vertical Angle	0°	22.5°	45°	67.5°	90°
0°	2619	2619	2619	2619	2619
5°	2290	2337	2462	2578	2603
15°	1486	1526	1675	2096	2463
25°	1101	1134	1233	1588	2149
35°	787	814	898	1145	1692
45°	559	580	623	792	1141
55°	381	394	432	521	673
65°	255	260	272	311	346
75°	157	153	151	147	146
85°	54	50	47	41	32
90°	0	0	0	0	0

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

ELECTRICAL

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

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 1½" w x 1¼" h.

CONSTRUCTION

Housing

20-gauge steel, >20% PC recycled, 100% recyclable

Lens

Acrylic, 100% recyclable

Louvers

Aluminum, >25% PC recycled, 100% recyclable

X1, X2, X6 Trim

Steel

X3, X7 Trim

Extruded aluminum

Weight

4 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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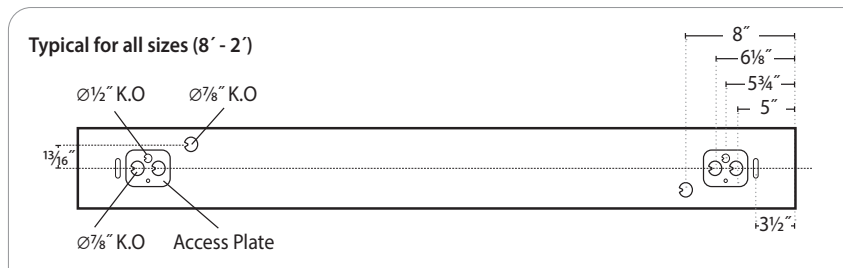
YSW – Seashell White (Matte)	YCH – Champagne (Metallic)
YSL – Silver (Metallic)	YPE – Pewter (Matte)
YRG – Rain Grey (Gloss)	YSTM – Storm Grey (Matte)
YBK – Black (Matte)	YBB – Black (Semi Gloss)
YSKM – Sky (Matte)	YMB – Military Blue (Matte)
YIB – Interstate Blue (Matte)	YSAM – Sapphire (Matte)
YFGM – 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.

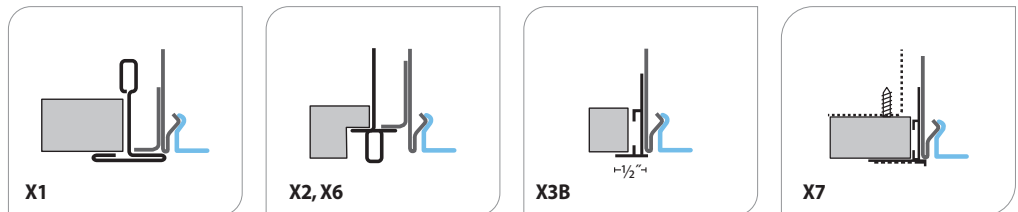
For paint chip samples, please email: info@prulite.com



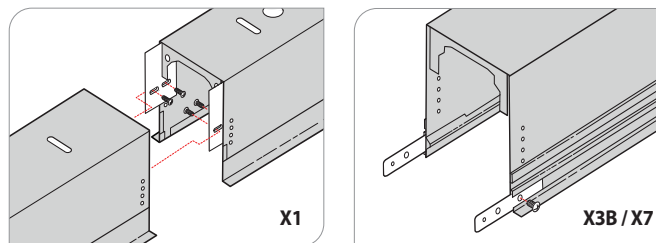
MOUNTING LOCATIONS



CEILING SYSTEMS

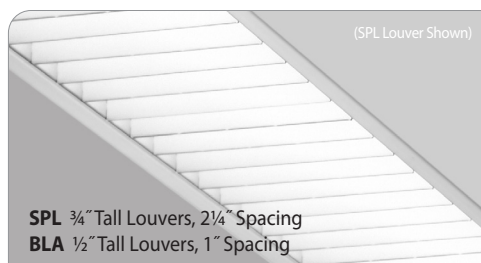


ADJOINING DETAILS



FRAMING DIMENSIONS X3B & X7
Add $1/2''$ in fixture width, Add $5/8''$ in fixture length or overall row length.

LOUVERS





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CONTROL SENSORS



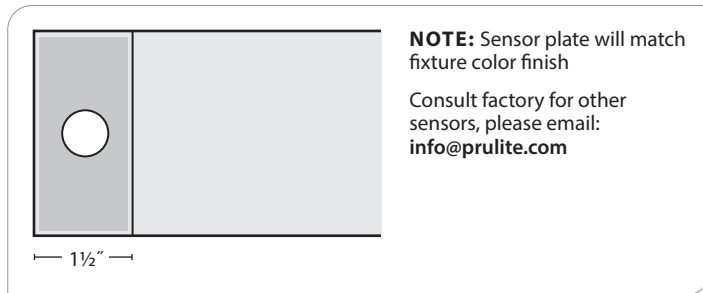
205 WattStopper PIR Occupancy



LUX Phillips LuxSense Daylight Harvesting, used with Phillips HFR Driver



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

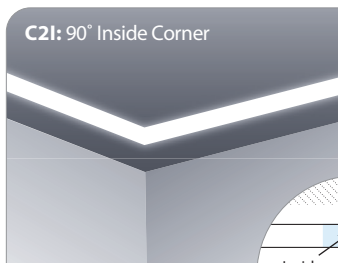


NOTE: Sensor plate will match fixture color finish

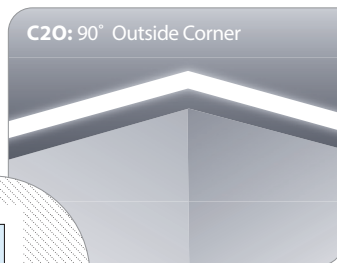
Consult factory for other sensors, please email: info@prulite.com

1 1/2"

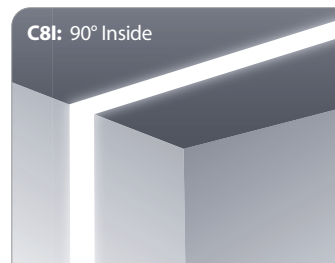
CORNERS



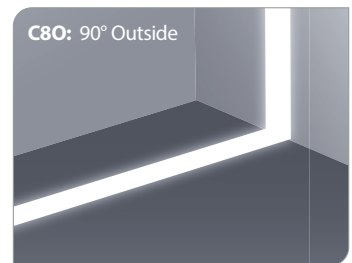
C2I: 90° Inside Corner



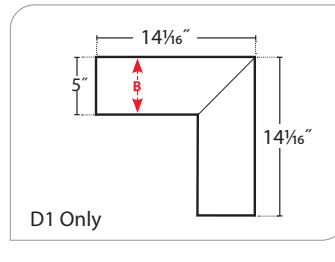
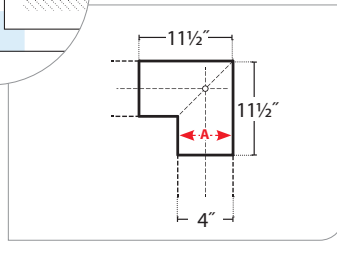
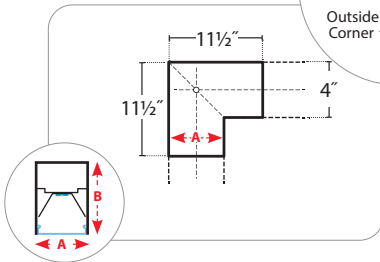
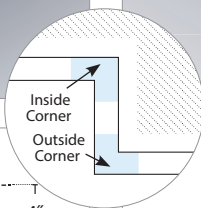
C2O: 90° Outside Corner



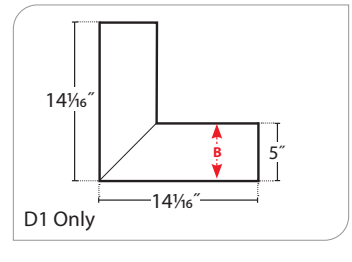
C8I: 90° Inside



C8O: 90° Outside



D1 Only



D1 Only



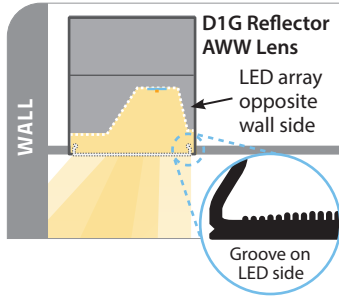
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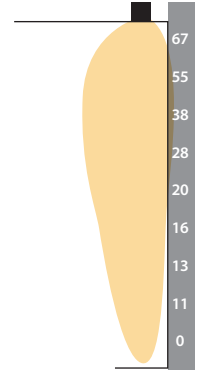
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WALL GRAZER ORIENTATION



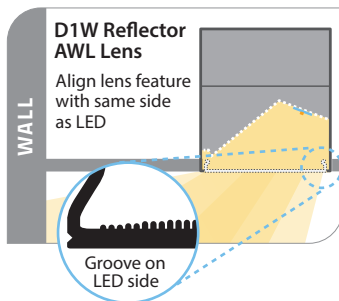
Smooth Wall Grazing.

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



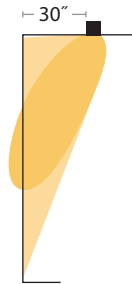
	Watts/Ft	Ceiling Height	Average Illuminance	Max	Min	Max/Min Ratio
Standard Output - 750 lm/ft	10	9'	40fc	76fc	16fc	4.75

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'	8'	7'	6'	5'	4'	3'	2'	1'
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				