



P23 | Recessed Linear 2" Slot



PRUDENTIAL LTG.

PRULITE.COM 213.746.0360

DISCONTINUED

Click for BionicPro



Open office illumination, wall washing or grazing.

Slimmer 2.5" aperture partner to our award-winning Bionic and P40 Series with the same industry-best combination of optics, efficacy and aesthetics. Batwing with 1.6 spacing criteria. Wall washing and grazing with no mechanical kicker or open cavity.

BIO2 AND P23 SERIES OPTICS:

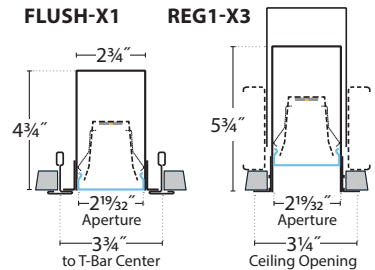
Direct/Indirect: Satin Acrylic, Batwing, Wash, Graze, Perimeter Fill, Ceiling Wash & Indirect Symmetric Glow

Recessed Linear: Satin Acrylic, Batwing, Wash and Graze

Perimeter: Satin Acrylic, Wash, Graze and Perimeter Fill



P23-FLSH-LED35-LO-SAL-D1
1601 Delivered Lumens
16 Watts
100 Lm/W
3500 CCT



UP TO **93** LPW

	LO	MO	SO	HO
SAL-D1: Lm/Ft	400	600	800	900
MBW-D1: Lm/Ft	400	600	800	900
MWW-D1W: Lm/Ft	400	600	800	900
MWG-D1G: Lm/Ft	400	600	800	900
W/Ft	4.6	6.5	9.5	11

NOTE: HO (High output) - Not available for Lutron

Lumen output may vary +/- 5%
3500K used for lm/ft estimates above
4000K +2% llf, 3000K -2%, 2700K -4%
-10% LLF for 90 CRI (4K, 3500K and 3K)

See LED Details PDF for more info

Declare.



Made in the USA

SE-RIES	LENS PO-SITION	LED COLOR	OUT-PUT	NOM LENGTH	TRIM COLOR	SHIELDING	DISTRIBU-TION	CIRCU-ITING	VOLT-AGE	CEILING SYSTEM	DRIVERS	OPTIONS, SENSORS & CORNERS
P23								SC				
2" Slot	FLSH Flush Lens REG1 1" Re-gressed Lens Not recom-mended for Batwing or Wall Wash optics NOTE: Specify shallow plenum under options to in-stall without overhead mounting brackets	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 (NA with Lutron) PROG Pro-gram-mable Light Out-put (Specify desired lm/ft or w/ft)	2' 3' 4' 6' 8' R (Row length) NOTE: Indi-vidual not intended for row mount-ing	TMW Tex-tured Matte White (Standard) YGW Gloss White Y Pre-mium Color CC Custom Color	SAL Satin Acrylic Lens (D1 only) MBW Batwing (D1 only) MWW Acrylic Wall Wash (D1W & D1R) MWG Acrylic Wall Grazer (D1G only)	D1 Direct (SAL & MBW only) D1W Wall Wash (MWW only) D1R Asym-metric to Room (MWW only) D1G Wall Grazer (MWG only) NOTE: D1G Wall Grazer recom-mended 3-9" from wall for best grazing results	SC Single Circuit	UNV (120-277) 347 (Emergency battery requires a Step Down trans-former)	X1 T-Bar 1 1/16" Exposed X1M T-Bar 3/16" Exposed X2 Dimen-sional T-Bar Arm-strong Inter-lude® X3B Hard Ceiling (Flange trim with overhead mounting brackets) X6 Slot Grid 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, 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 CA T20 Emergency Battery (D1, D1W-950, D1G-675 delivered lumens; CA Title 20 compliant; 4" or longer (remote for < 4')) CP Chicago Plenum SH Shallow 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 Connector (Consult factory) C8I Wall to Ceiling Inside C8O Wall to Ceiling Outside



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2" Slot



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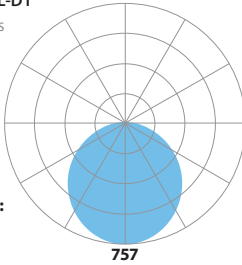
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SATIN ACRYLIC

LOW OUTPUT:

P23-FLSH-LED35-LO-SAL-D1

1601 Delivered Lumens
16 Watts
100 Lm/W
3500 CCT



Zonal Lumen Summary:

0-90 = 46%
90-180 = 54%

757

Vertical Angle	0°	22.5°	45°	67.5°	90°
0°	757	757	757	757	757
5°	755	748	750	751	747
15°	684	682	694	706	708
25°	564	568	595	625	634
35°	430	438	474	514	527
45°	308	319	353	397	410
55°	212	219	245	280	294
65°	133	138	155	177	187
75°	68	71	78	89	93
85°	18	19	20	22	22
90°	1	2	3	3	3

Luminance Chart:

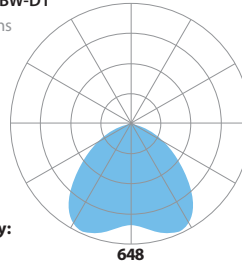
Angle	0°	45°	90°
45°	5120	5860	6801
55°	4342	5024	6026
65°	3695	4296	5188
75°	3101	3554	4215
85°	2393	2714	2970

BATWING

LOW OUTPUT:

P23-FLSH-LED35-LO-MBW-D1

1584 Delivered Lumens
16 Watts
99 Lm/W
3500 CCT



Zonal Lumen Summary:

0-90 = 100%

648

Vertical Angle	0°	22.5°	45°	67.5°	90°
0°	480	480	480	480	480
5°	505	498	488	478	472
15°	606	586	536	469	434
25°	648	628	566	449	373
35°	584	581	544	407	310
45°	443	457	462	343	252
55°	295	309	335	257	196
65°	166	175	193	159	133
75°	72	76	82	71	64
85°	13	14	15	13	12
90°	1	2	2	1	1

Luminance Chart:

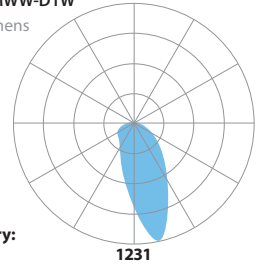
Angle	0°	45°	90°
45°	7667	7989	4352
55°	6282	7132	4200
65°	4798	5595	3838
75°	3402	3875	3001
85°	1831	2094	1694

WALL WASH

LOW OUTPUT:

P23-FLSH-LED35-LO-MWW-D1W

1614 Delivered Lumens
16 Watts
101 Lm/W
3500 CCT



Zonal Lumen Summary:

0-90 = 100%

1231

Vertical Angle	0°	22.5°	45°	67.5°	90°
0°	785	785	785	785	785
5°	1006	988	926	855	786
15°	1125	1169	1158	982	736
25°	790	826	975	1026	640
35°	565	586	701	973	509
45°	414	420	478	757	366
55°	292	296	315	511	235
65°	131	174	193	286	126
75°	45	60	98	121	48
85°	7	9	21	17	4
90°	0	0	0	0	0

Luminance Chart:

Angle	0°	45°	90°
45°	7869	9080	6964
55°	6844	7386	5525
65°	4182	6125	4022
75°	2355	5113	2473
85°	1034	3182	649



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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 fixture.

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 1.625" w x 1.25" h.

CONSTRUCTION

Housing	20-gauge steel, >20% PC recycled, 100% recyclable.
Lens	Acrylic, 100% recyclable.
X1, X2, X6 Trim	Steel.
X3, X7 Trim	Extruded aluminum.
Weight	3 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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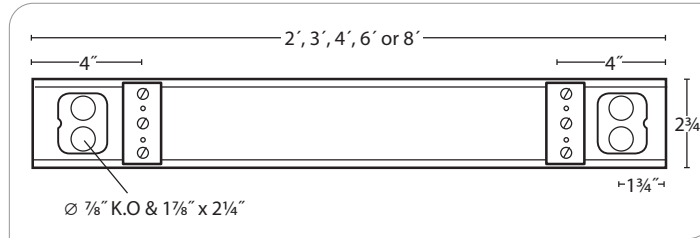


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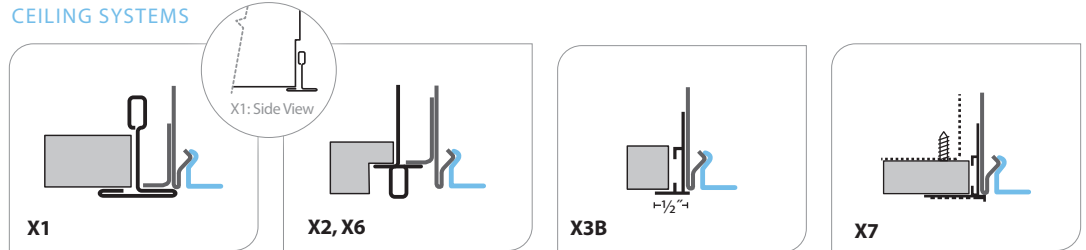
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YSW – Seashell White (Matte)	YCH – Champagne (Metallic)
YSL – Silver (Metallic)	YPE – Pewter (Matte)
YRG – Rain Grey (Gloss)	YSTM – Storm Grey (Matte)
YBK – Black (Matte)	YBB – Black (Semi Gloss)
YSKM – Sky (Matte)	YMB – Military Blue (Matte)
YIB –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

MOUNTING LOCATIONS



CEILING SYSTEMS



INTEGRATED SENSORS



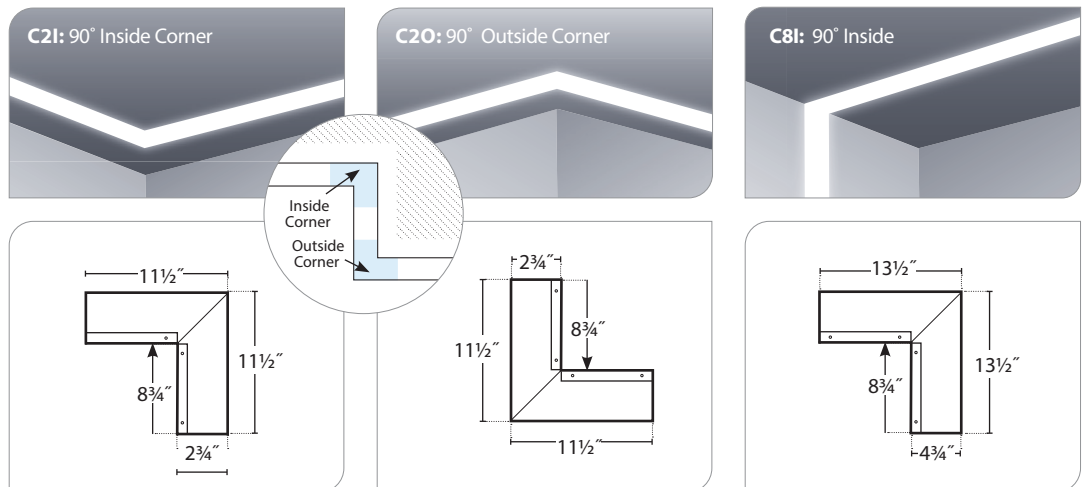
NOTE: Sensor plate will match fixture trim color

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

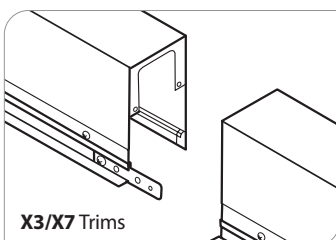
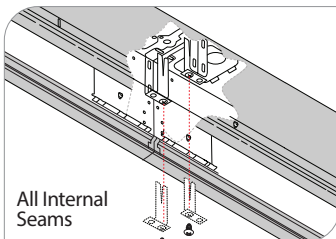
Choose from one of our Premium Colors with no set-up fee.

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

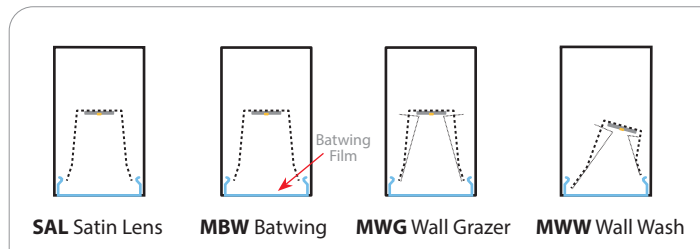
PATTERNS / CORNERS



ADJOINING DETAILS



CROSS SECTIONS





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Batwing.

Batwing's wider distribution of light results in more even illumination over satin lensed symmetric glow. Spacing fixtures out at 12' or even 14' significantly reduces both

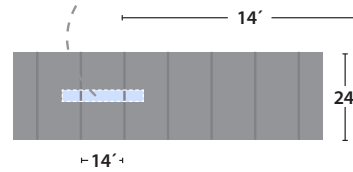
installation costs and long-term energy usage vs. 10' spacing. It's all about lowering watts per sq. ft and the Batwing is an excellent means of achieving that goal.

2" Batwing — 1.65 Spacing Criteria
2.1 MAX/MIN



9' ceilings
650 lm/ft at 6 w/ft
107 lm/w
35 fc average
.4 watts per sq. ft.

Satin Lens Glow — 1.1 Spacing Criteria
3.8 MAX/MIN



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 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

WALL WASH ORIENTATION

