



P23 | Recessed Linear 2" Slot



PRUDENTIAL LTG.

PRULITE.COM 213.746.0360

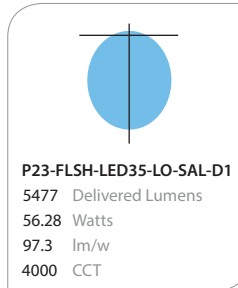


Open office illumination, wall washing or grazing.

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.

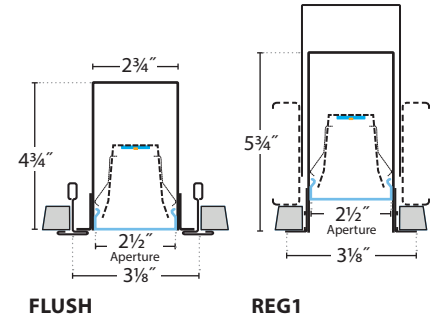
Bio2 and P23 Series optics:

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



Type:

Job:



UP TO **93** LM/W

		LO	MO	SO	HO
SAL-D1:	lm/ft	420	600	800	885
	w/ft	4.5	7	10	12
MBW-D1:	lm/ft	420	600	800	885
	w/ft	4.5	7	10	12
MWW-D1W:	lm/ft	420	600	800	885
	w/ft	4.5	7	10	12
MWG-D1G:	lm/ft	350	500	700	800
	w/ft	4.5	7	10	12



(CLICK HERE)

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

SERIES	LENS POSITION	LED COLOR	OUTPUT	NOM LENGTH	TRIM COLOR	SHIELDING	DISTRIBUTION	CIRCUITING	VOLT-AGE	CEILING SYSTEM	DRIVERS	OPTIONS & CONTROLS		
P23														
Recessed Linear	FLSH Flush Lens REG1 1" Re-gressed Lens Not recommended for Batwing or Wall Wash optics NOTE: Specify shallow plenum under options to install 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 Output (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)  MWW-D1W   MWG-D1G 	D1 Direct (SAL & MBW only) D1W Wall Wash (MWW only) D1R Asymmetric to Room (MWW only) D1G Wall Grazer (MWG only) NOTE: D1G Wall Grazer recommended 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 15/16" & 9/16" Exposed X2 Dimen-sional T-Bar Arm-strong Interlude® X3B Hard Ceiling (Flange trim with overhead mounting brackets) X6 Slot Grid X7 Hard Ceiling Trimless Mud-over (Concealed Flange)	ND Non-Dimming DM10 0-10v, 10% Dim-ming (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 LDES* 5%, Lutron (Ecosystem) LDE1* 1%, Lutron (Soft Fade to Black, Ecosystem)	L3DA* 1%, Lutron, 3 Wire ECO 1%, 0-10v, EldoLED ECDA 1% DALI, EldoLED SOLO 0.1% 0-10v, EldoLED (Dim to Dark) SODA 0.1% DALI, EldoLED (Dim to Dark) *NA with HO	EML* Emergency Battery, Low (D1, D1W ~ 850 delivered lumens, D1G ~ 600) EMH* Emergency Battery, High (D1, D1W ~ 1175 delivered lumens, D1G ~ 900) CP Chicago Plenum SENSORS: 205 Watt-Stopper PIR Occupancy 205-STEP: Dim to 50% 205-DM: Dim to 10% / 1% CORNERS: C2 90° 2-Way Lit Corner C2X Special Angled Connector (Consult factory)	SH Shallow Plenum PRUBIN Meticulous Binning and Labeling every LED Board within a 2-Step MacAdams Ellipse *4' or longer (remote for < 4') LUX Phillips DLH 3E En-lit 2-Wire DLH & Environ-mental C8I Wall to Ceiling Inside



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Recessed Linear

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01-23-2018



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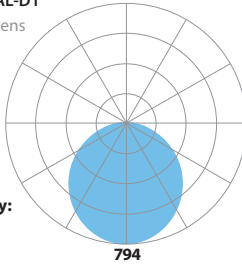
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SATIN ACRYLIC

Low Output:

P23-FLSH-LED35-LO-SAL-D1

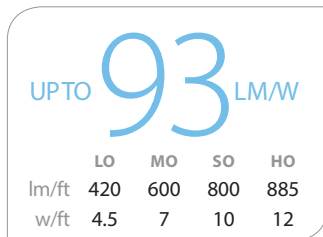
1685 Delivered Lumens
18.46 Watts
91.3 lm/w
4000 CCT
#11476049.13



Zonal Lumen Summary:

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

Vertical Angle	0	22.5	45	67.5	90
0	797	797	797	797	797
5	794	761	769	773	770
15	720	718	731	743	745
25	594	598	626	658	667
35	452	461	499	541	555
45	325	336	554	417	431
55	223	231	258	295	310
65	140	145	162	186	196
75	72	75	83	94	98
85	19	20	21	23	23
90	1	2	3	3	3

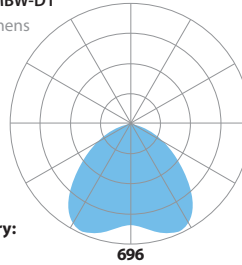


BATWING

Low Output:

P23-FLSH-LED35-LO-MBW-D1

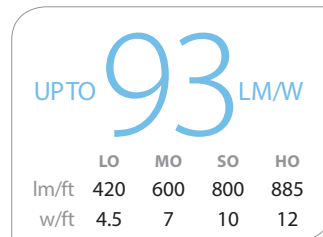
1703 Delivered Lumens
18.40 Watts
92.50 lm/w
4000 CCT
#11476049.01



Zonal Lumen Summary:

0-90 = 100%

Vertical Angle	0	22.5	45	67.5	90
0	516	516	516	516	516
5	543	535	535	514	508
15	652	630	576	505	466
25	696	675	608	482	401
35	628	625	585	438	333
45	477	492	497	369	271
55	317	332	360	277	212
65	178	188	208	171	143
75	77	82	88	76	68
85	14	16	16	14	13
90	1	2	2	2	1

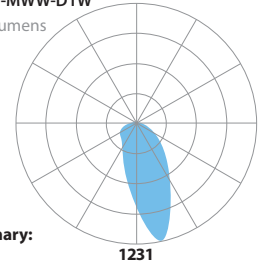


WALL WASH

Low Output:

P23-FLSH-LED35-LO-MWW-D1W

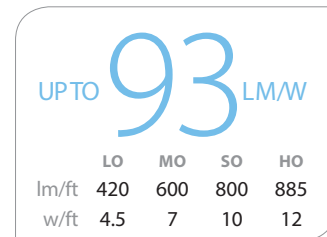
1698 Delivered Lumens
18.34 Watts
92.58 lm/w
4000 CCT
#102725395LAX-001



Zonal Lumen Summary:

0-90 = 100%

Vertical Angle	0	22.5	45	67.5	90
0	826	826	826	826	826
5	1059	1040	975	900	828
15	1184	1231	1219	1034	774
25	832	869	1026	1080	674
35	597	617	738	1024	536
45	436	443	503	797	386
55	307	312	332	538	248
65	138	183	203	301	133
75	48	63	104	127	50
85	7	9	22	18	4
90	0	0	0	0	0



For Wall Grazer — See P23 Perimeter Specs

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

ELECTRICAL

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. 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 1.625" w x 1.25" h.

CONSTRUCTION

Housing

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

Lens

Acrylic, 100% recyclable

X1, X2, X6 Trim

Steel

X3, X7 Trim

Extruded aluminum

MOUNTING

Recessed into drywall or T-bar ceilings

WARRANTY

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



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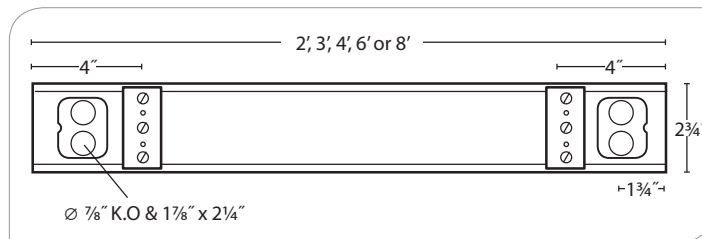


Choose from one of our Premium Colors with no set-up fee.

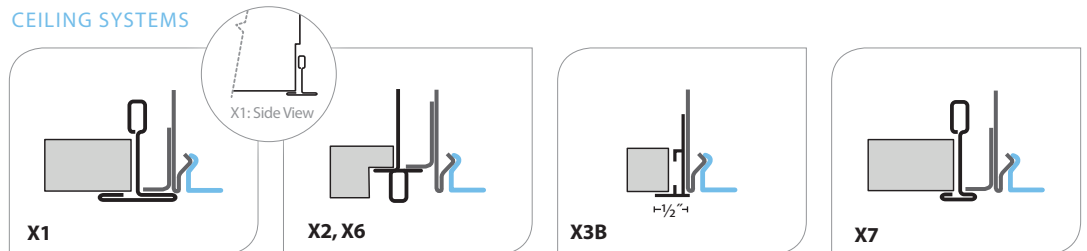
For paint chip samples, please e-mail: info@prulite.com



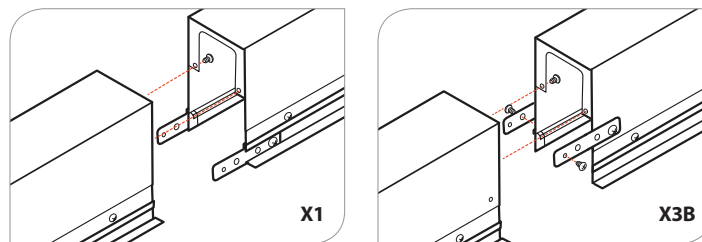
MOUNTING LOCATIONS



CEILING SYSTEMS



ADJOINING DETAILS



INTEGRATED SENSORS



NOTE: Sensor plate will match fixture trim color

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



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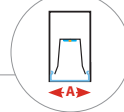
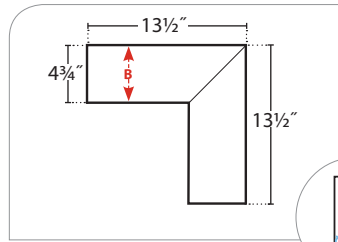
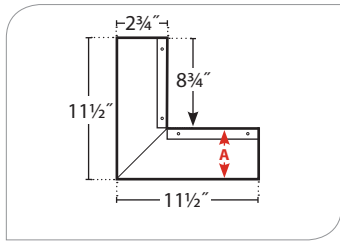
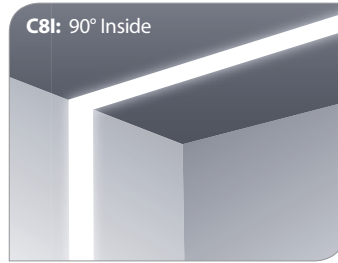
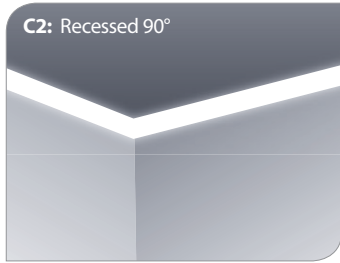
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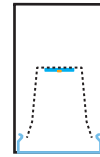
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PATTERNS / CORNERS



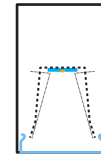
CROSS SECTIONS



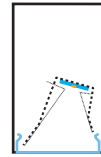
SAL Satin Lens



MBW Batwing



MWG Wall Grazer



MWW Wall Wash

Bowing Film



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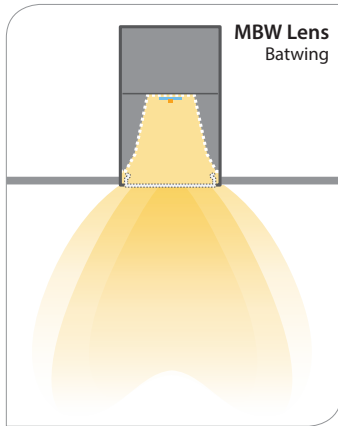
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BATWING ORIENTATION



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

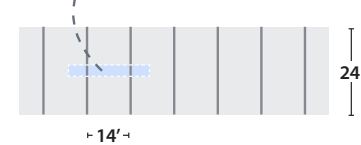
installation costs and long-term energy usage vs. 10' spacing. It's all about lowering watts per sq. ft and the Batwing is an excellent means of achieving that goal.

2" Batwing — 1.65 Spacing Criteria
2.1 MAX / MIN

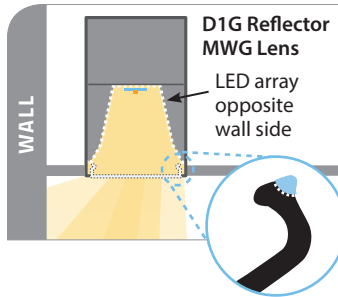


9" ceilings
650 lm/ft at 6 w/ft
107 lm/w
35 fc average
4 watts per sq. ft.

Satin Lens Glow — 1.1 Spacing Criteria
3.8 MAX / MIN



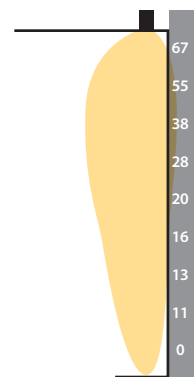
WALL GRAZER ORIENTATION



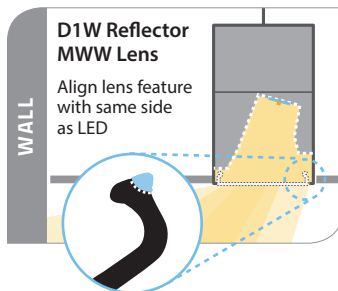
Smooth Wall Grazing.

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

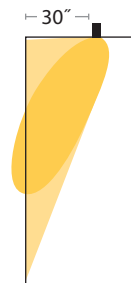


WALL WASH ORIENTATION



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

