



P23 | Cove & Perimeter

2" Perimeter



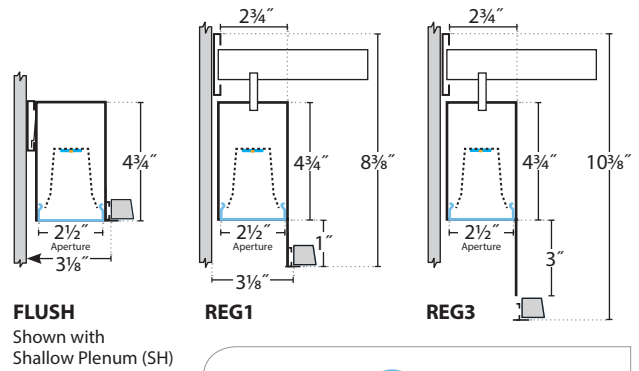
PRUDENTIAL LTG.

PRULITE.COM 213.746.0360



Type:

Job:



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-PER-FLSH-LED35-LO-SAL-D1
1685 Delivered Lumens
18.46 Watts
91.3 lm/w
4000 CCT

UP TO **91** LM/W

	LO	MO	SO	HO
SAL-D1 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
MWW-D1R lm/ft	420	600	800	885
w/ft	4.5	7	10	12

[CLICK HERE](#)



HO - Not available for Lutron

Lumen output may vary +/- 5% 3500K used for lm/ft estimates above 4000K +2% If, 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	NOMINAL LENGTH	TRIM COLOR	SHIELDING	DISTRIBUTION	MOUNTING	CIRCUITING	VOLTAGE	CEILING SYSTEMS	DRIVERS	OPTIONS & CONTROLS
P23-PER													
Perimeter	FLSH Flush Lens REG1 1" Recessed Lens REG3 3" Recessed Lens (NA with wall wash) 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 Medium SO Standard HO High (NA with Lutron) PROG Programmable Light Output (Specify desired lm/ft or w/ft)	2' 3' 4' 6' 8' R (Row length) NOTE: Individual not intended for row mounting	TMW Textured Matte White (Standard) YGW Gloss White Y Premium Color CC Custom Color	SAL Satin Acrylic Lens (D1 only) MWG Acrylic Wall Grazer Lens (D1G only) MWW Acrylic Wall Wash Lens (D1R only)	D1 Direct (SAL only) D1G Wall Grazer (MWG only) D1R Perimeter Fill (MWW only, NA with REG3)	WTW Wall to Wall (Any row length) LP Light Pocket (Typically 1' increments, fixture stops before wall)	SC Single Circuit UNV (120-277) 347 (Emergency battery requires a Step Down transformer)	X1 T-Bar 15/16" & 9/16" Exposed X2 Dimensional T-Bar Armstrong Interlude® X6 Slot Grid X3B Hard Ceiling (Flange trim with overhead mounting brackets) X7 Hard Ceiling (Trimless Mud-over Concealed Flange)	ND Non-Dimming LDE1* 1%, Lutron (Soft Fade to Black, Ecosystem) DM10 0-10v, 10% Dimming (Standard) L3DA* 1%, Lutron, 3 Wire ECO 1% 0-10v, EldoLED DM01 0-10v, 1% Dimming ECDAL 1% DALI, EldoLED STEP Step Dimming, 100-50-Off, Osram SOLO 0.1% 0-10v, EldoLED (Dim to Dark) SODA 0.1% DALI, EldoLED (Dim to Dark) LDE5* 5%, Lutron (Ecosystem)	EML* Emergency Battery, Low (D1, D1W ~ 850 delivered lumens, D1G ~ 600) PRUBIN Meticulous Binning and Labeling every LED Board within a 2-Step MacAdams Ellipse EMH* Emergency Battery, High (D1, D1W ~ 1175 delivered lumens, D1G ~ 900) SENSORS: 205 Watt-Stopper PIR Occupancy 205-STEP: Dim to 50% 205-DM: Dim to 1% LUX Phillips DLH 3E Enlighted 2-Wire DLH & Environmental *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 Watt-Stopper PIR Occupancy 205-STEP: Dim to 50% 205-DM: Dim to 1% LUX Phillips DLH 3E Enlighted 2-Wire DLH & Environmental *4' or longer (remote for < 4')



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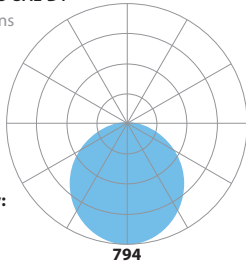
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SATIN ACRYLIC

Low Output:

P23-PER-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%

794

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

UPTO **93** LM/W

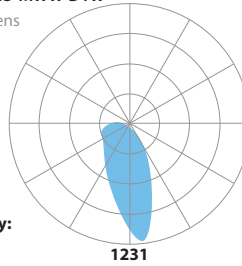
	LO	MO	SO	HO
lm/ft	420	600	800	885
w/ft	4.5	7	10	12

PERIMETER FILL

Low Output:

P23-PER-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%

1231

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

UPTO **93** LM/W

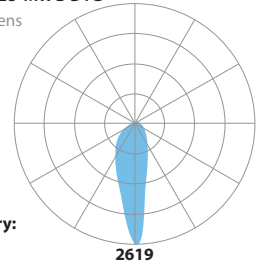
	LO	MO	SO	HO
lm/ft	420	600	800	885
w/ft	4.5	7	10	12

WALL GRAZER

Low Output:

P23-PER-FLSH-LED35-LO-MWG-D1G

2783 Delivered Lumens
39 Watts
71 lm/w
4000 CCT
#LM-63-2002



Zonal Lumen Summary:

0-90 = 100%

2619

Vertical Angle	0	22.5	45	67.5	90
0	2556	2556	2556	2556	2556
5	2152	2190	2301	2471	2543
15	1153	1209	1426	1928	2473
25	681	725	899	1361	2305
35	461	475	572	940	1965
45	355	353	380	615	1446
55	261	259	254	375	884
65	161	167	160	207	436
75	74	81	71	92	163
85	17	17	16	16	26
90	3	2	1	1	1

UPTO **71** LM/W

	LO	MO	SO	HO
lm/ft	350	500	700	800
w/ft	4.5	7	10	12

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

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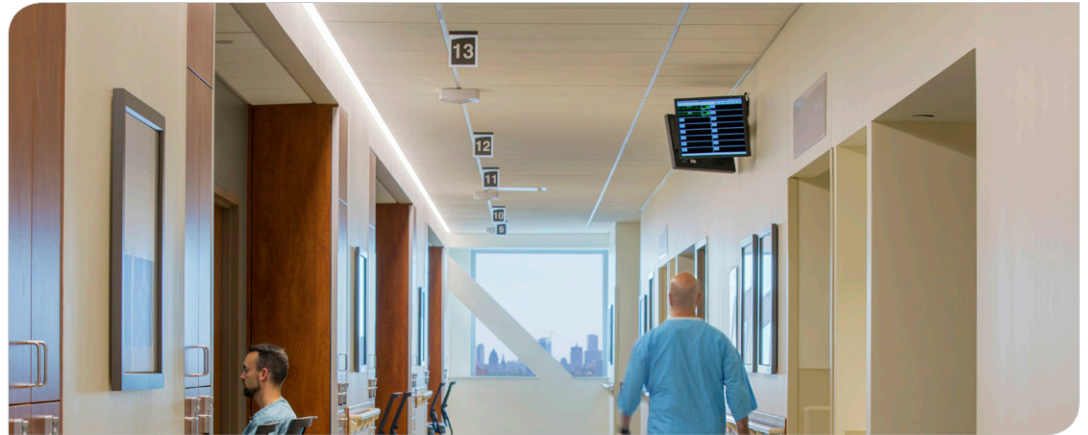
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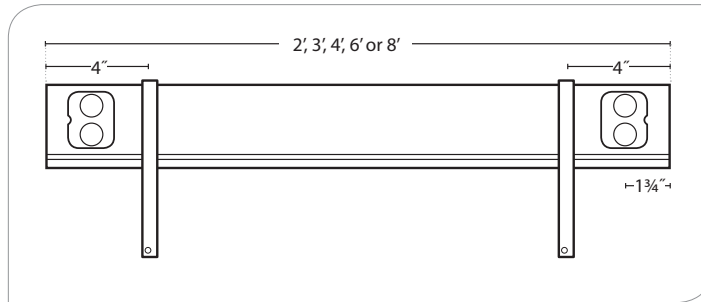
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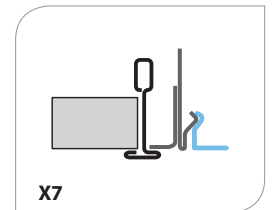
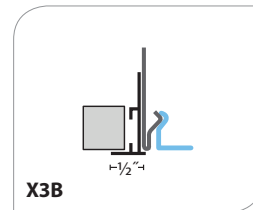
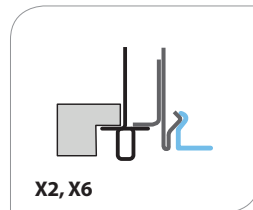
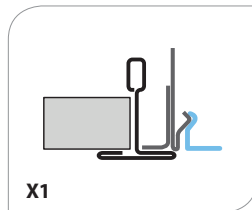
NEW YSW – Seashell White (Matte)	NEW YCH – Champagne (Metallic)
YSL – Silver (Metallic)	YPE – Pewter (Matte)
YRG – Rain Grey (Gloss)	YSTM – Storm Grey (Matte)
NEW YBK – Black (Matte)	YBB – Black (Semi Gloss)
YSKM – Sky (Matte)	NEW YMB – Military Blue (Matte)
NEW YIB – Interstate Blue (Matte)	YSAM – Sapphire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



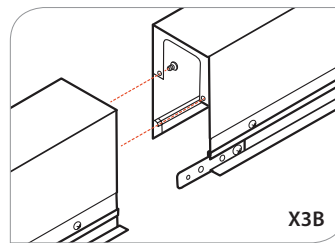
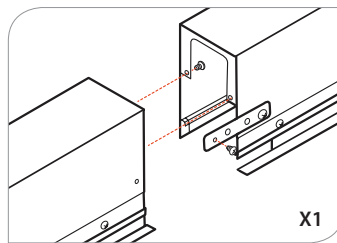
MOUNTING LOCATIONS



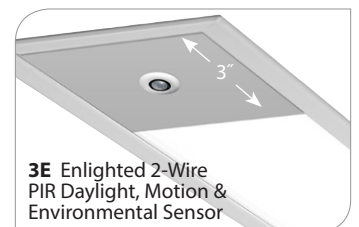
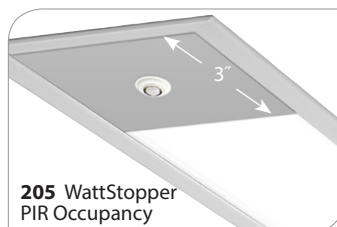
CEILING SYSTEMS



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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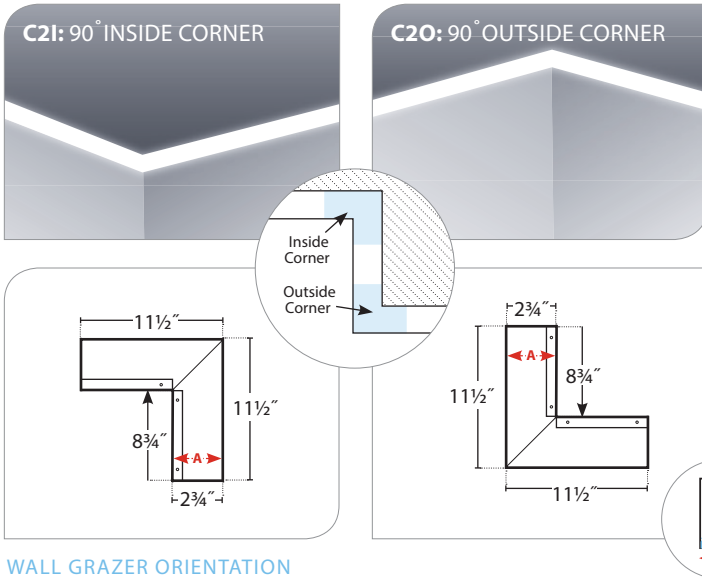
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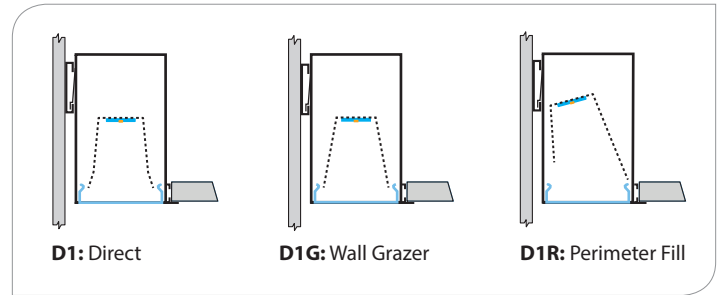
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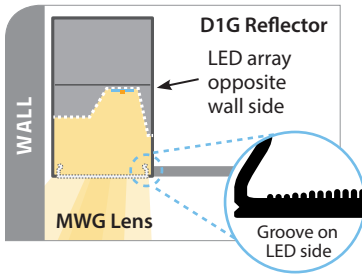
CORNERS



DISTRIBUTION CROSS SECTIONS



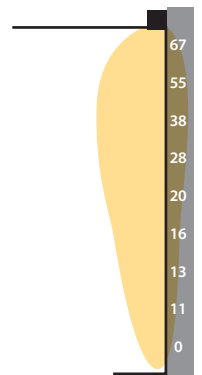
WALL GRAZER ORIENTATION



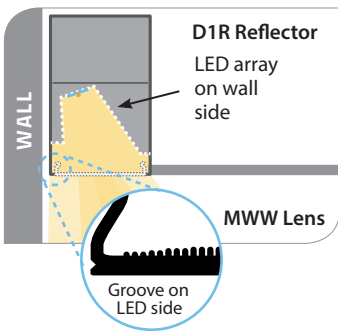
Smooth Wall Grazing.

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



PERIMETER FILL ORIENTATION



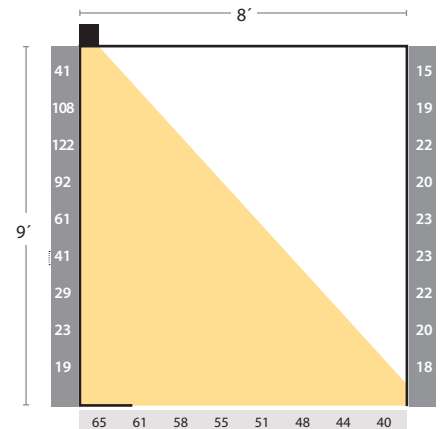
Perimeter Fill.

Fill a Corridor with Light — from the Perimeter.

It's a perimeter optic that washes corridors in light, offering outstanding light distribution, far more energy efficient than typical soft glow solutions and significantly reduces installation cost. Ideal for corridors where budget and energy efficiency conflict with strict IES requirements for high footcandles.

Suspended, surface mounted or recessed, perimeter lighting system.

Watts/Sq. Ft.	Ceiling Height	Average Illuminance	Max/Min	Max/Min Ratio	
Standard Output - 875 lm/ft	1.25	9'	57fc	79/32	2.5:1



Footcandles along the floor Reflectances 80: 50: 20



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