



Bio2 | Linear, Surface & Wall

2" Linear

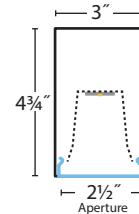
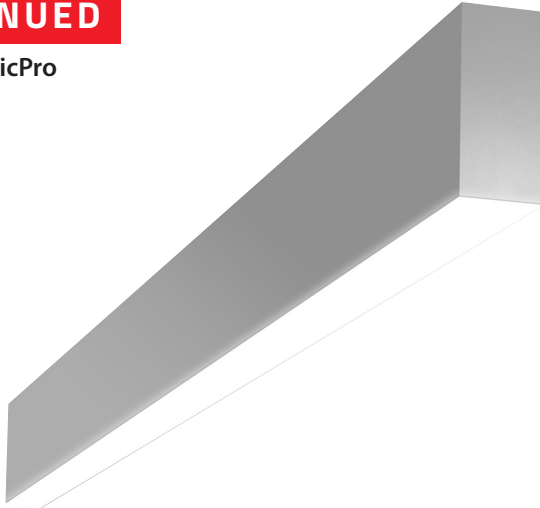


PRUDENTIAL LTG.

PRULITE.COM 213.746.0360

DISCONTINUED

Click for **BionicPro**



Open office illumination, wall washing or grazing.

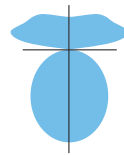
Slimmer 2.5" aperture partner to our award-winning Bionic and P40 Series with the same industry-best combination of optics, efficacy and aesthetics. Batwing with 1.6 spacing criteria. Wall washing and grazing with no mechanical kicker or open cavity.

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



BIO2-LED35-HO/HO-SAL-D1-CW
8653 Delivered Lumens
90 Watts
97.3 lm/w

Declare.



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	LED COLOR	OUTPUT	NOMINAL LENGTH	COLOR	SHIELD-ING	DISTRIBUTION	CIRCU-ITING	VOLT-AGE	MOUNT-ING	CEILING SYSTEMS	DRIVERS	OPTIONS & CONTROLS
Bio2-LIN	—	—	—	—	—	—	—	—	—	—	—	—
Linear	LED27 2700K (90CRI)	LO Low	2'	TMW Textured Matte White (Standard)	SAL Satin Acrylic Lens (D1 only)	Choose Down -AND- Up	SC Single Circuit	UNV (120-277)	CA48", 96" or 144" Aircraft Cable (Adjustable)	X1 T-Bar 1 1/2" or 1 3/4" Exposed (Standard) Consult factory for 3/4" Tegular	ND Non-Dimming	EMHE CA T20 Emergency Battery (D1, D1W~950, D1G~675 delivered lumens; CA Title 20 compliant; 4' or longer [remote for < 4'])
	LED3 3000K	MO Medium	3'				DC Dual Circuit (Two feeds required)	347 (Emergency battery requires a Step Down transformer)	SUR Surface Mount (NU only)		DM01 0-10v, 1% Dimming (Standard)	
	LED35 3500K	SO Standard	4'			DOWN: NW No Down-light					LDE1 Lutron Hi-lume 1% EcoSystem LED (Soft fade on, fade-to-black dimming, NA - HO)	
	LED4 4000K	HO High (NA for Lutron)	6'	YGW Gloss White	MBW Batwing (D1 only)	UP: NU No Uplight			WT Wall Tilt Bracket	X3 Hard Ceiling	ECO 1% 0-10v, EldoLED (Logarithmic dimming std)	PRUBIN Meticulous Binning and Labeling every LED Board within a 2-Step MacAdams Ellipse
	LED3-90 90CRI	NOTE: Specify separate output Down / Up if desired eg. HO/LO	8'	Y Pre-mium Color	CC Custom Color	D1 Direct (SAL & MBW only)			WS Wall Spacer (1/2" Stand-off)	X6 Slot Grid or Inter-lude	ECDA 1% DALI, EldoLED (Logarithmic dimming std)	CORNERS: C2 90° 2-Way Lit
	LED35-90 90CRI	PROG Programmable Light Output (Specify desired lm/ft or w/ft)		NOTE: All canopies are painted the same color as the fixture. Consult factory to specify.	NOTE: All canopies are painted the same color as the fixture. Consult factory to specify.	D1W Wall Wash (MWW only)			WB Wall Bracket		SOLO 0.1% 0-10v, EldoLED (Dim-to-dark, Logarithmic dimming std)	C2X Special Angled Connector (Consult factory)
	LED4-90 90CRI					D1R Perimeter Fill			SSC Stem Mount (Specify length, NU only)		SODA 0.1% DALI, EldoLED (Dim-to-dark, Logarithmic dimming std)	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
						D1G Wall Grazer (MWG only. WB recommended for wall mount)						

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Linear

1

04-12-2022



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PRUDENTIAL LTG.

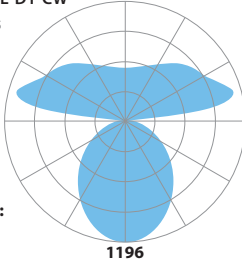
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CEILING WASH/SATIN ACRYLIC

Low Output:

BIO2-LED35-HO/HO-SAL-D1-CW

8653 Delivered Lumens
90 Watts
97.3 Lm/W
3500 CCT



Zonal Lumen Summary:

0-90 (Down) = 46.0%
90-180 (Up) = 54.0%

1196

Vertical Angle	0°	22.5°	45°	67.5°	90°
0°	1890	1890	1890	1890	1890
5°	1883	1866	1868	1875	1871
15°	1706	1706	1727	1765	1762
25°	1405	1420	1483	1554	1576
35°	1065	1092	1179	1280	1215
45°	764	794	875	979	1016
55°	525	545	609	691	725
65°	331	343	383	435	459
75°	170	176	194	217	227
85°	48	48	53	55	57
90°	12	29	52	19	16
95°	193	394	395	67	35
105°	2018	1640	439	213	140
115°	1591	1295	595	363	263
125°	1494	1258	738	502	396
135°	1361	1176	820	614	527
145°	1155	1048	856	699	634
155°	1001	955	858	763	727
165°	922	892	851	817	799
175°	873	857	851	847	840
180°	854	854	854	854	854

Luminance Chart (SAL-D1):

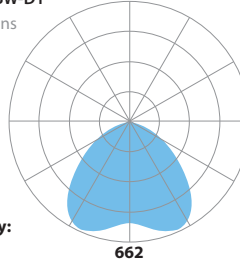
Angle	0°	45°	90°
45°	4650	6340	15348
55°	3094	4380	13005
65°	1953	2820	10514
75°	1034	1507	7510
85°	311	449	3574

BATWING

Low Output:

BIO2-LIN-LED35-LO-MBW-D1

1618 Delivered Lumens
16 Watts
101 Lm/W
3500 CCT



Zonal Lumen Summary:

0-90 (Down) = 100%

662

Vertical Angle	0°	22.5°	45°	67.5°	90°
0°	490	490	490	490	490
5°	515	508	499	489	482
15°	619	598	547	479	443
25°	662	641	577	458	381
35°	597	594	555	416	316
45°	453	467	472	350	257
55°	300	315	342	263	201
65°	169	179	198	163	135
75°	74	78	84	72	65
85°	13	15	15	13	12
90°	1	2	2	2	1

Luminance Chart:

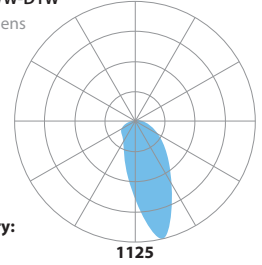
Angle	0°	45°	90°
45°	7832	8161	4446
55°	6417	7286	4290
65°	4901	5715	3920
75°	3475	3958	3065
85°	1870	2139	1730

WALL WASH

Low Output:

BIO2-LIN-LED4-LO-MWW-D1W

1614 Delivered Lumens
16 Watts
101 Lm/W
3500 CCT



Zonal Lumen Summary:

0-90 (Down) = 100%

1125

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	981	736
25°	790	826	975	1026	640
35°	568	586	701	973	509
45°	414	420	478	757	366
55°	292	296	315	511	236
65°	131	174	193	286	126
75°	45	60	98	121	48
85°	7	9	21	18	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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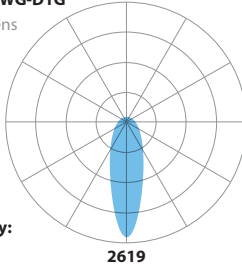
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WALL GRAZER

Low Output:

BIO2-LIN-LED35-LO-MWG-D1G

1391 Delivered Lumens
18 Watts
77 Lm/W
3500 CCT



Zonal Lumen Summary: 0-90 (Down) = 100%

Vertical Angle	0	22.5	45	67.5	90
0	1278	1278	1278	1278	1278
5	1076	1095	1151	1235	1272
15	577	605	713	964	1236
25	341	362	450	680	1152
35	230	237	286	470	983
45	178	176	190	308	723
55	130	129	127	188	442
65	80	83	80	103	218
75	37	41	40	46	81
85	8	9	8	8	13
90	2	1	1	1	1

Luminance Chart:

Angle	0°	45°	90°
45°	2946	3150	11995
55°	2665	2600	9036
65°	2228	2222	6057
75°	1677	1794	3693
85°	1137	1073	1755

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: 2.5 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. +/- 100 lumens, +/- 100k CCT 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.

TAGS

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

Power cord is White except for fixtures painted Black (YBB, YBK) have Black power cords.

Housing

Extruded aluminum>25% PC recycled, 100% recyclable.

Lens

Acrylic, 100% recyclable.

Weight

5 lbs / Ft.

MOUNTING

Surface mounted to walls or ceilings, wall spacer, wall bracket to wall, suspended by cable or stem.

WARRANTY

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



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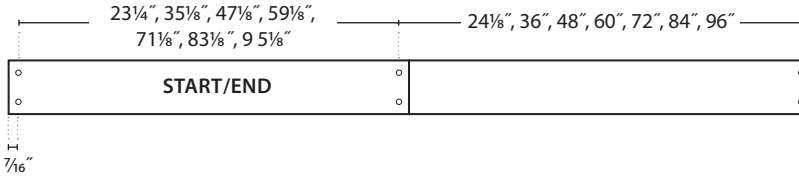
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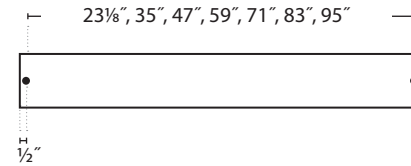
MOUNTING LOCATIONS

DIRECT ONLY:

CABLE:

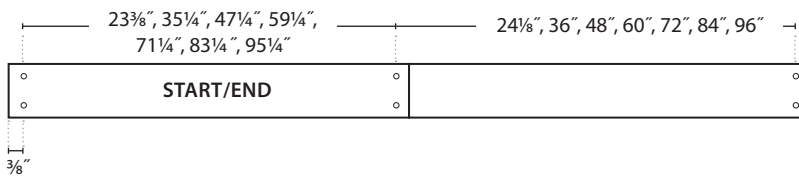


STEM:

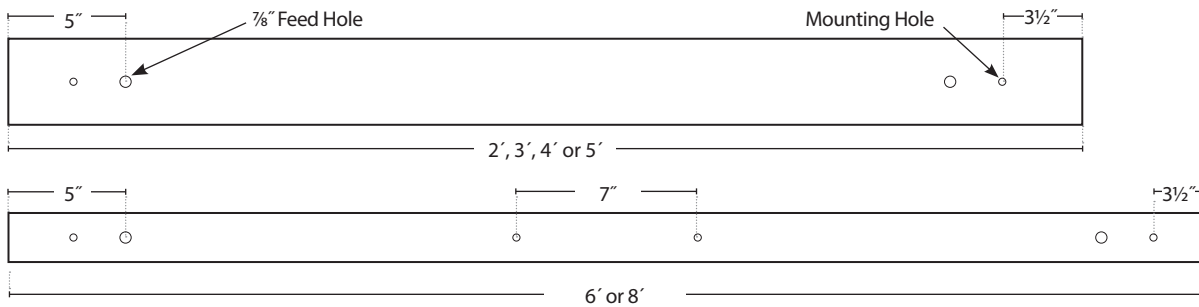


DIRECT / INDIRECT:

CABLE:

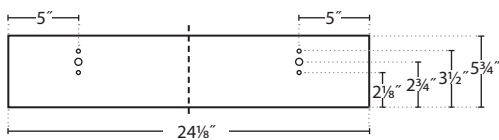


SURFACE MOUNTING:

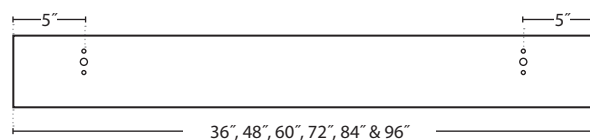


WALL MOUNTING SPACING:

WALL SIDE (2')



WALL SIDE (3', 4', 5', 6', 7' & 8')





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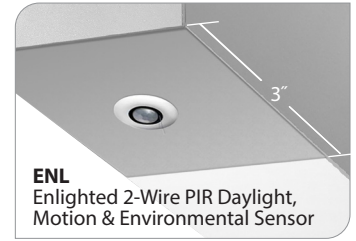
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YSW – Seashell White (Matte)	YCH – Champagne (Metallic)
YSL – Silver (Metallic)	YPE – Pewter (Matte)
YRG – Rain Grey (Gloss)	YSTM – Storm Grey (Matte)
YBK – Black (Matte)	YBB – Black (Semi Gloss)
YSKM – Sky (Matte)	YMB – Military Blue (Matte)
YIB –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

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

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

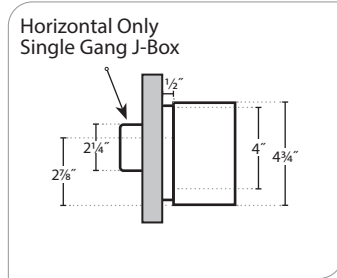
INTEGRATED SENSORS



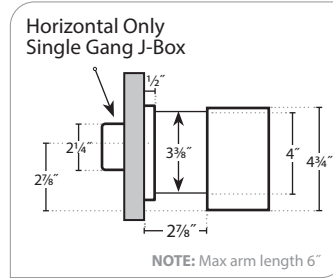
Consult factory for other sensors, please email: info@prulite.com

NOTE: Sensor plate will match fixture color finish

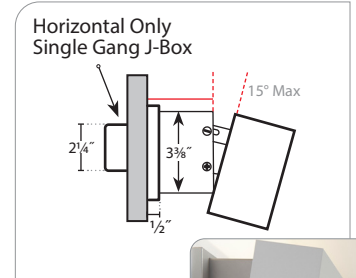
WS WALL SPACER



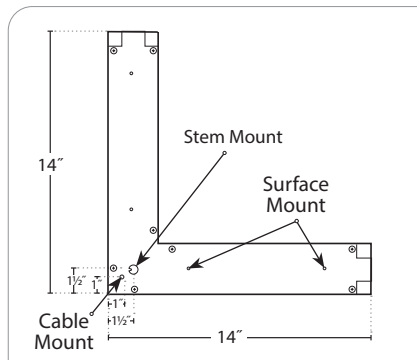
WB WALL BRACKET



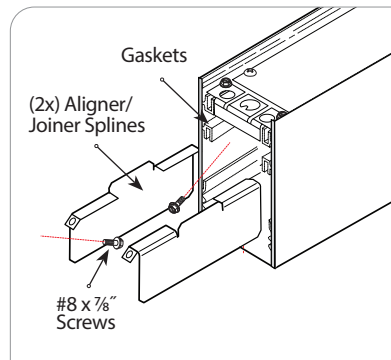
WT WALL TILT



C2 LIT CORNER

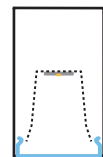


ADJOINING DETAIL

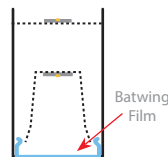


DISTRIBUTION — CROSS SECTIONS

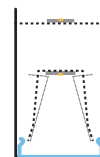
DOWN:



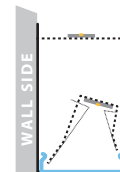
D1 Direct
(Shown with
NU: No Uplight)



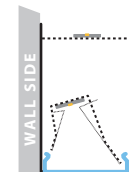
D1* Direct
(with MBW: Batwing Lens)



D1G* Wall Grazer



D1W* Wall Wash



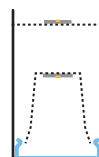
D1R* Perimeter Fill

* Shown with SYM: Symmetric Uplight

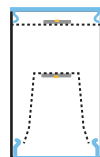
UP:



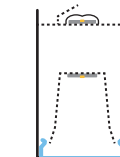
CW Ceiling Wash
(Shown with
NW: No Downlight)



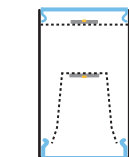
SYM* Symmetric



SYMG* Symmetric
with Glow Top



ACW* Asymmetric
Ceiling Wash



ADC* Acrylic
Dust Cover

* Shown with D1: Direct Downlight



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The extreme low angle batwing of our ceiling wash optic creates beautifully uniform ceilings.

Batwing.

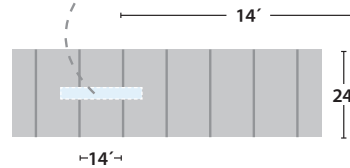
Batwing's wider distribution of light results in more even illumination over satin lensed symmetric glow. Spacing fixtures out at 12' or even 14' significantly reduces both installation costs and long-term energy usage vs. 10' spacing. It's all about lowering watts per sq. ft and the Batwing is an excellent 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 Washing.

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



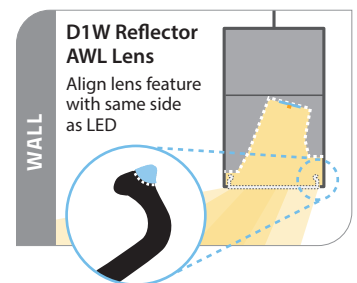
Standard Output - 750 lm/ft	10	9'	40fc	76/16	4.75
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Watts/Ft.
Ceiling Height
Average Illuminance
Max/Min
Max/Min Ratio

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





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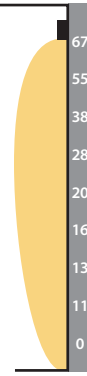
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Smooth Wall Grazing.

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



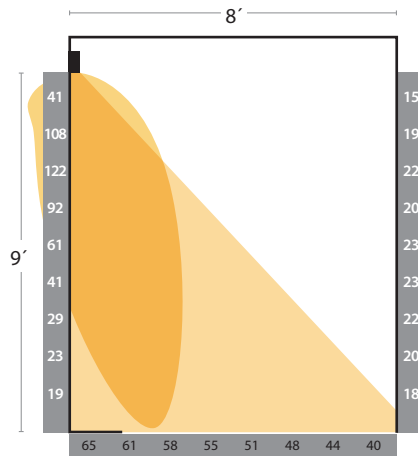
Perimeter Fill.

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

PERIMETER FILL ORIENTATION

