



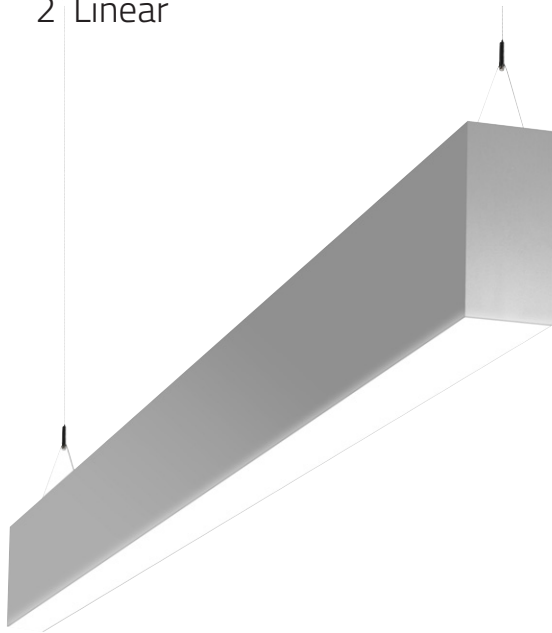
# Bio2 | Linear, Surface & Wall

## 2" Linear



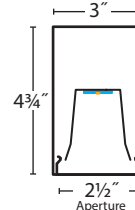
PRUDENTIAL LTG.

PRULITE.COM 213.746.0360



Type:

Job:



**BIO2-LIN-LED4-LO-SAL-D1-CW**

5477 Delivered Lumens

56.28 Watts

97.3 lm/w

4000 CCT

#11476049.13



UP TO **97** LM/W



CLICK HERE

		LO	MO	SO	HO
<b>CW with SAL-D1</b>	lm/ft	935	1350	1850	1985
	w/ft	9	14	20	24
<b>MBW &amp; SAL-D1</b>	lm/ft	420	600	800	885
	w/ft	4.5	7	10	12
<b>D1W/R</b>	lm/ft	420	600	800	885
	w/ft	4.5	7	10	12
<b>D1G</b>	lm/ft	350	500	700	800
	w/ft	4.5	7	10	12
<b>CW</b>	lm/ft	500	750	1000	1100
	w/ft	4.5	7	10	12
<b>SYM</b>	lm/ft	400	600	850	1000
	w/ft	4.5	7	10	12
<b>ACW</b>	lm/ft	375	550	700	875
	w/ft	4.5	7	10	12

### 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

Lumen output may vary +/- 5%  
4000K used for lm/ft estimates above  
3500K ~2% llf, 3000K ~4%, 2700K ~6%

See LED Details PDF for more info

SERIES	LED COLOR	OUTPUT	NOMINAL LENGTH	COLOR	SHIELDING	DISTRIBUTION	CIRCUITING	VOLTAGE	MOUNTING	CEILING SYSTEMS	DRIVERS	OPTIONS & CONTROLS							
BIO2-LIN						-													
Linear	<b>LED27</b> 2700K (90CRI)  <b>LED3</b> 3000K  <b>LED35</b> 3500K  <b>LED4</b> 4000K	<b>LO</b> Low  <b>MO</b> Medium  <b>SO</b> Standard  <b>HO</b> High (NA for Lutron)  <b>NOTE:</b> Specify separate output Down / Up if desired eg. HO/ LO  <b>PROG</b> Programmable Light Output (Specify desired lm/ft or w/ft)	2' 3' 4' 6' 8' R____ (Row length)  <b>NOTE:</b> Individual fixtures are not intended for row mounting  Row lengths are typically made up of 8' and 4' fixtures, (eg. 12' row is (1) 8' and (1) 4'), unless symmetric row lengths are requested	<b>TMW</b> Textured Matte White (Standard)  <b>YGW</b> Gloss White  <b>Y__</b> Premium Color  <b>CC</b> Custom Color  <b>NOTE:</b> All canopies are painted the same color as the fixture unless specified otherwise	<b>SAL</b> Satin Lens (D1 only)  <b>MBW</b> Batwing (D1 only)  <b>MWW</b> Acrylic Wall Wash Lens (D1W or D1R only)  <b>MWG</b> Acrylic Wall Grazer Lens (D1G only)	<b>Choose Down -AND- Up</b>		<b>SC</b> Single Circuit  <b>DC</b> Dual Circuit (Two feeds required)	<b>UNV</b> (120-277)  <b>347</b> (Emergency battery requires a Step Down transformer)	<b>CA48", 96" or 144"</b> Aircraft Cable (Adjustable)  <b>SUR</b> Surface Mount (NU only)  <b>WB</b> Wall Bracket (2" Standoff)  <b>WT</b> Wall Tilt Bracket  <b>WS</b> Wall Spacer (1/2" Standoff)  <b>SSC</b> Stem Mount (Specify length, NU only)	<b>X1 T-Bar 15/16" Exposed (Standard)</b>  <b>X3 Hard Ceiling</b>  <b>X6 Slot Grid</b>	<b>ND</b> Non-Dimming  <b>DM10</b> 0-10v, 10% Dimming (Standard)  <b>DM01</b> 0-10v, 1% Dimming  <b>STEP</b> Step Dimming, 100-50-Off, Osram  <b>NOTE:</b> Lumens and watts per foot may differ for STEP drivers, consult factory  <b>LDE5</b> 5%, Lutron (Ecosystem)  <b>LDE1</b> 1%, Lutron (Soft Fade to Black, Ecosystem)  <b>L3DA</b> 1%, Lutron, 3 Wire  <b>ECO</b> 1% 0-10v, EldoLED  <b>ECDA</b> 1% DALI, EldoLED  <b>SOLO</b> 0.1% 0-10v, EldoLED (Dim to Dark)  <b>SODA</b> 0.1% DALI, EldoLED (Dim to Dark)	<b>EML*</b> Emergency Battery, Low (D1, D1W ~ 850 delivered lumens, D1G ~ 600)  <b>EMH*</b> Emergency Battery, High (D1, D1W ~ 1175 delivered lumens, D1G ~ 900)  <b>PRUBIN</b> Meticulous Binning and Labeling every LED Board within a 2-Step Mac-Adams Ellipse  <b>*4" or longer (remote for &lt; 4")</b>  <b>CORNERS:</b> <b>C2</b> 90° 2-Way Lit  <b>C2X</b> Special Angled Connector (Consult factory)  <b>SENSORS:</b> <b>205</b> WattStopper PIR Occupancy  <b>205-STEP:</b> Dim to 50% <b>205-DM:</b> Dim to 10% / 1%  <b>LUX</b> Phillips DLH  <b>3E</b> Enlighted 2-Wire DLH & Environmental						
						<b>DOWN:</b> <b>NW</b> No Downlight  <b>D1</b> Direct (SAL & MBW only)  <b>D1W</b> Wall Wash (MWW only)  <b>D1R</b> Perimeter Fill (Wall mount with MWW only)  <b>D1G</b> Wall Grazer (MWG only, WB recommended for wall mount)	<b>UP:</b> <b>NU</b> No Uplight  <b>CW</b> Ceiling Wash  <b>SYM</b> Symmetric Lens  <b>SYMGM</b> Symmetric with Glow Top Lens  <b>ACW</b> Asymmetric Ceiling Wash												



# Bio2 | Linear, Surface & Wall

## 2" Linear



PRUDENTIAL LTG.

PRULITE.COM 213.746.0360

### CEILING WASH/SATIN ACRYLIC

#### Low Output:

BIO2-LIN-LED4-LO-SAL-D1-CW

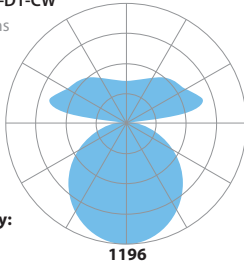
5477 Delivered Lumens

56.28 Watts

97.3 lm/w

4000 CCT

#11476049.13



#### Zonal Lumen Summary:

0-90 = 46.0%  
90-180 = 54.0%

1196

Vertical Angle	0	22.5	45	67.5	90
0	1196	1196	1196	1196	1196
5	1192	1181	1182	1187	1184
15	1151	1141	1149	1157	1156
25	1080	1080	1093	1117	1115
35	674	691	746	810	832
45	484	502	554	619	643
55	332	345	386	438	459
65	210	217	242	275	290
75	108	111	123	138	144
85	30	31	33	35	36
90	8	18	33	12	10
95	122	250	250	43	22
105	1277	1038	278	135	88
115	1007	820	377	230	166
125	946	796	467	318	251
135	861	744	519	389	334
145	731	663	542	442	401
155	633	604	543	483	460
165	583	565	539	517	506
175	553	543	538	536	532
180	540	540	540	540	540

### BATWING

#### Low Output:

BIO2-LIN-LED35-LO-MBW-D1

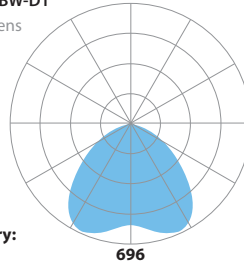
1703 Delivered Lumens

18.40 Watts

92.50 lm/w

4000 CCT

#11476049.01



#### Zonal Lumen Summary:

0-90 = 100%

696

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

UPTO **93** LMW

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

### WALL WASH

#### Low Output:

BIO2-LIN-LED4-LO-MWW-D1W

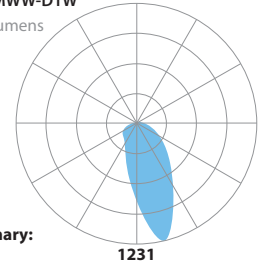
1698 Delivered Lumens

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

### WALL GRAZER

#### Low Output:

BIO2-LIN-LED4-LO-MWG-D1G

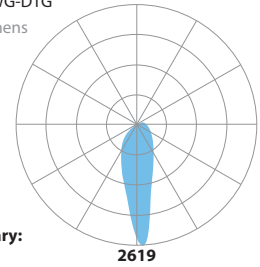
2783 Delivered Lumens

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





# Bio2 | Linear, Surface & Wall

## 2" Linear



PRUDENTIAL LTG.

PRULITE.COM 213.746.0360

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

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

For paint chip samples, please e-mail: [info@prulite.com](mailto:info@prulite.com)



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

### 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.

### 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

Extruded aluminum >25% PC recycled, 100% recyclable

#### Lens

Acrylic, 100% recyclable

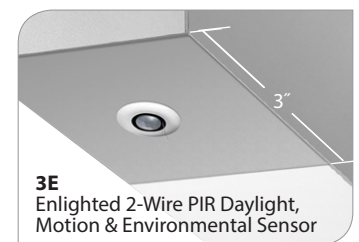
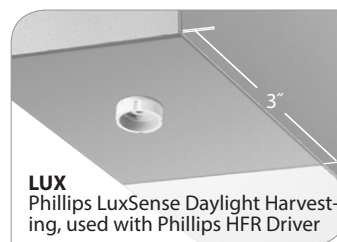
### MOUNTING

Surface mounted to walls or ceilings or suspended by cable or stem

### WARRANTY

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

### INTEGRATED SENSORS



**NOTE:** Sensor plate will match fixture color finish

Consult factory for other sensors, please email: [info@prulite.com](mailto:info@prulite.com)

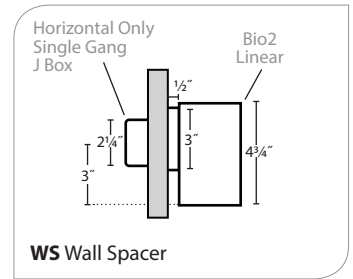
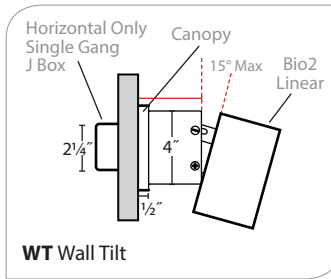
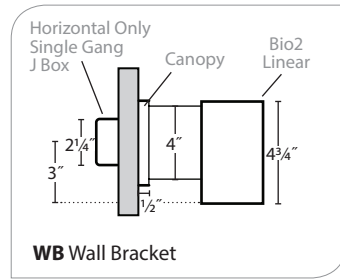


Prudential Ltg. reserves the right to change design specifications or materials without notice. Please visit [prulite.com](http://prulite.com) for most current data. © 2014 All rights reserved – All products manufactured at: Prudential Ltg. 1774 E. 21st Street, Los Angeles, CA 90058

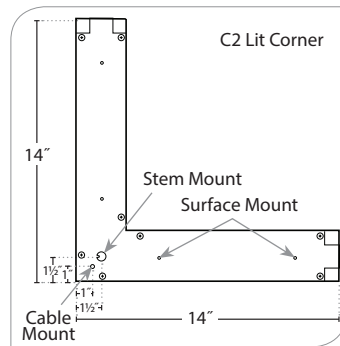




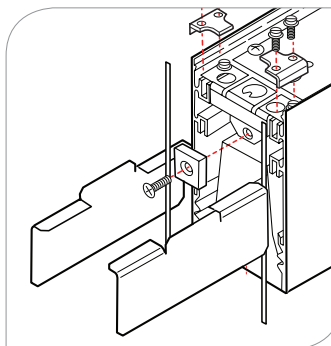
**WALL MOUNTING**



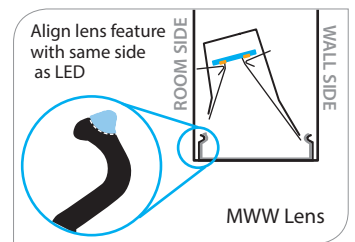
**CORNERS**



**ADJOINING DETAIL**



**WALL WASH LENS ORIENTATION**



**CROSS SECTIONS**

