

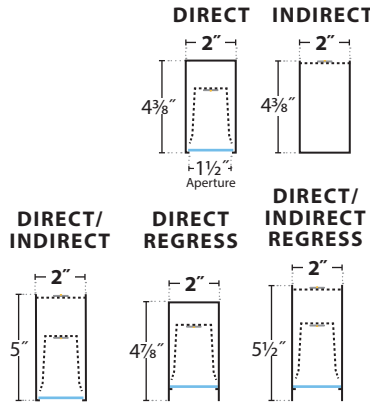


# BionicPro2 | Linear



PRUDENTIAL LTG.

PRULITE.COM 213.746.0360



Lumen output may vary +/- 5%
Light Loss Factor (LLF) for CCTs other than 3500K:
4000K +2%, 3000K -5%, 2700K -20%
90 CRI -15% (3K, 3500K, 4K & 5K
ADC -2% LLF
Louver LLF 30% White, 50% Silver, 70% Black
See LED Details PDF for more info

### FLSH:

UPTO 121 LPW

Table with columns: DIRECT, LO, MO, SO, HO, Lm/Ft, W/Ft. Rows include SAL, BTW, WWF, WWG/PFL, MGZ, LGP, SYM, MCW, SCW, SACW.

LUMEN CHART AT 3500K-80 CRI
SEE PAGE 7 FOR REGRESS



Main specification table with columns: SERIES, LENS POS., LED COLOR, OUTPUT, LENGTH, FINISH COLOR, LOUVER COLOR, DISTRIBUTION, UP OPTIONS, CIRCUITING, VOLTAGE, MOUNTING, CEILING, DRIVERS & CONTROLS, OPTIONS & CONTROL SENSORS.

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# BionicPro2 | Linear Downlights

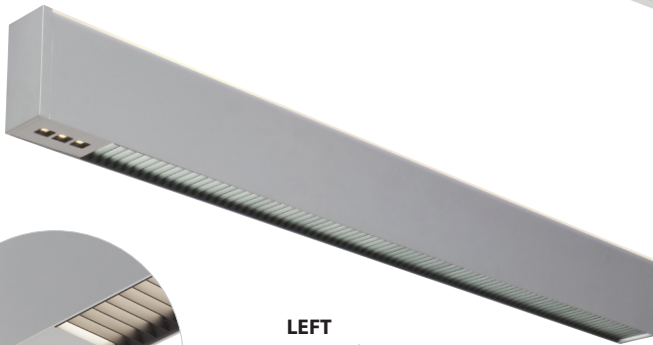


PRUDENTIAL LTG.

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Two Rows  
(BPRO4 & 5)



**LEFT**  
(Start) Placement  
(BPRO2 Linear shown with Louver)

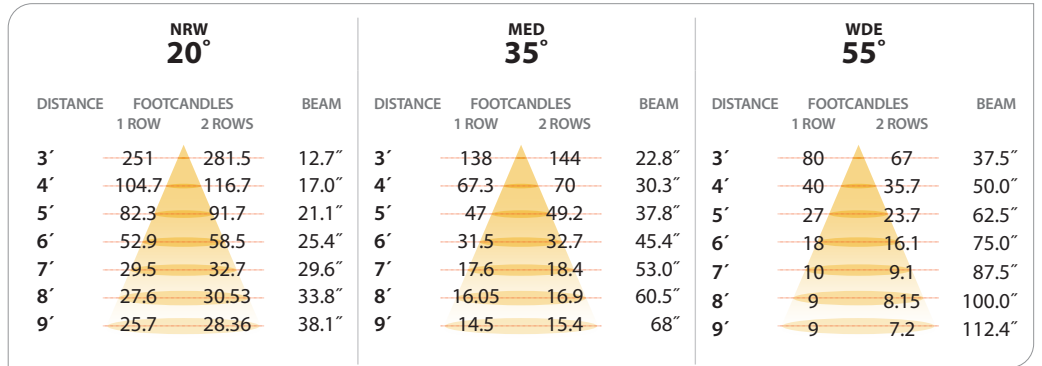
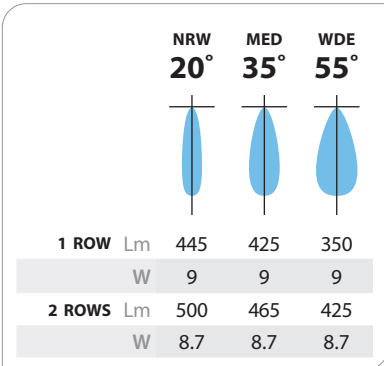


One Row  
(BPRO2 & 3)

**MID**  
Middle of Row Placement  
(BPRO4 Recessed shown with Flush Lens)



**INDIRECT ONLY**  
(BPRO2 Linear shown)



SERIES	QUANTITY	LOCATION	CCT	DISTRIBUTION	COLOR	VOLTAGE	DRIVERS
DWN-LT							
Downlight	<b>SPECIFY DOWNLIGHT QUANTITY PER FIXTURE/ROW</b> Maximum One (1) Downlight Every 4' 16" Row = 4 Downlights 30" Row = 7 Downlights	MID One Downlight in Middle of Fixture LT One Downlight on Left (Start) RT One Downlight on Right (End) LT-RT Two Downlights on Ends LT-MID Two Downlights on Left and Middle MID-RT Two Downlights on Middle and End MOD Downlight Location(s) per SpecS	LED3-90 3000K-90CRI (Standard) LED35-90 3500K-90CRI LED4-90 4000K-90CRI  NOTES: - NA 2700K, 5000K - Only 1 Output Offered	NRW Narrow 20° Beam MED Medium 35° Beam WDE Wide 55° Beam	TMW Textured Matte White (Standard) YGW Gloss White Y_ Premium Color CC Custom Color	UNV (120-277) 347	DM01 0-10v, 1% Dimming (Standard) LDE1 Hi-lume 1% EcoSystem LED (Soft fade on, fade-to-black dimming) 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)



### Lumen Outputs:

		BLUHUE, TUHUE, TUHUE2, AMBERHUE			
<b>DIRECT:</b>		LO	MO	SO	HO*
SAL	Lm/Ft	205	385	550	715
BTW/ WWG/ PFL	Lm/Ft	215	395	565	730
LGP/ WWF/ MGZ	Lm/Ft	225	405	580	750
	W/Ft	3.8	5.6	7.8	10.5
<b>INDIRECT:</b>		LO	MO	SO	HO*
SYM	Lm/Ft	360	480	630	800
HCW	Lm/Ft	150	300	450	575
SCW	Lm/Ft	350	525	700	870
SACW	Lm/Ft	300	450	600	720
	W/Ft	3.8	5.6	7.8	10.5

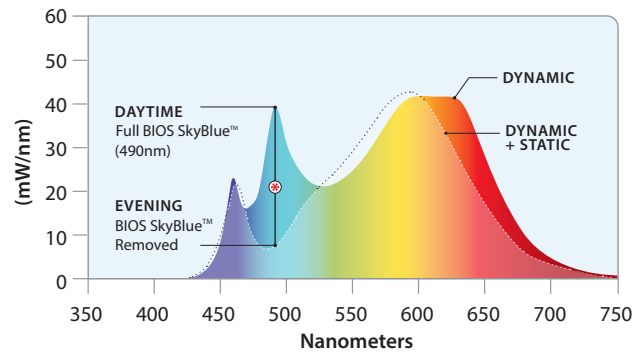
\*\* TU2 + AMB NOT AVAILABLE HO / CHROMAHUE ONLY AVAILABLE ON HO



**BluHue BIOS SkyBlue™** circadian LED lighting brings the benefits of blue skies inside. Newly discovered blue-sky receptors in our eyes drive improved daytime alertness, mood, brain function, and strengthens circadian rhythms leading to overall better health and well-being.



- Circadian rhythms play an integral role in physical and mental health.
- BluHue BIOS SkyBlue pinpoints peak 490nm sensitivity to provide the most benefit from an electric light source.
- At night, simply dim the lights to remove SkyBlue™ wavelengths (specify "Blu\_D" to dim Cyan SkyBlue spike separately [night model]).



100% - 75%

**DYNAMIC** SkyBlue™ Dims 100%-0%  
⊗ Dynamic dimming results in subtle CCT shift warmer

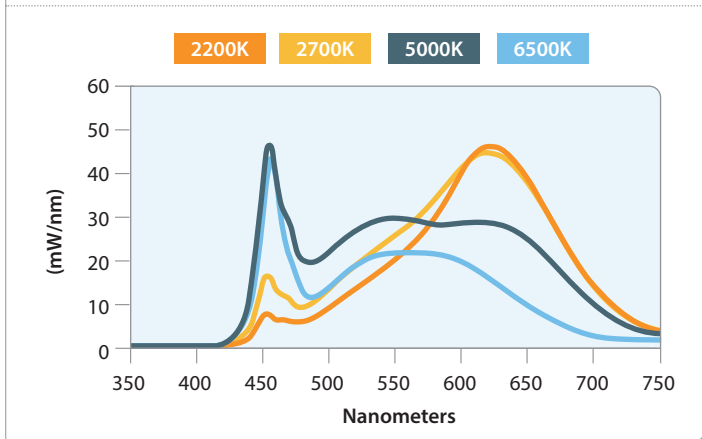
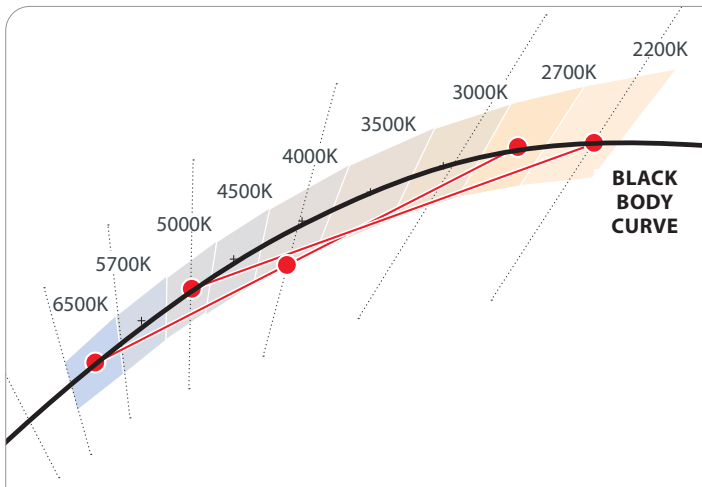
75% - 0%

**DYNAMIC + STATIC** Light Dims 100%-0%



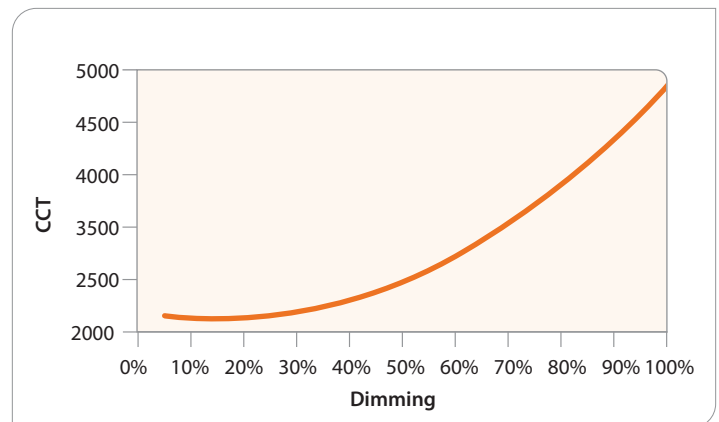
Prudential Lighting's **TuHue** Tunable White provides warm to cool white light simulating sunlight. Controlling the light source color temperature offers differing design aesthetics with potential benefits via circadian rhythm support. Blue light for alertness while warm light conveys tranquility.

- 2700K-6500K or 2200K-5000K.
- Adjust the color temperate and brightness separately.
- Simulates warm to cool to warm transition of sunlight.



**AmberHue** is Prudential Lighting's Warm Dim offering. It transitions bright white light to warm amber light as brightness is dimmed, reflecting sunlight's transitioning from intense blue midday light to a dimmed golden hue near sunset, also reminiscent of soft glowing candlelight.

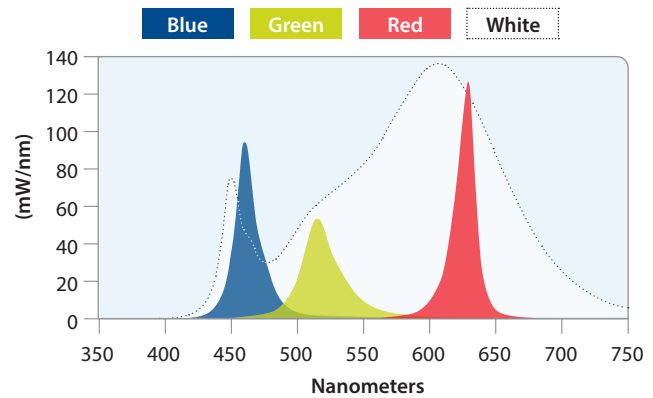
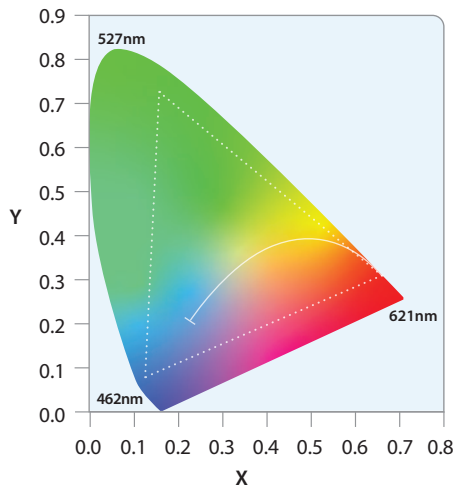
- Warm Dim 2200K-5000K.
- Color temperature warms as the luminaire is dimmed.
- Calm, relaxing mood communicated – hospitality, residential feel.



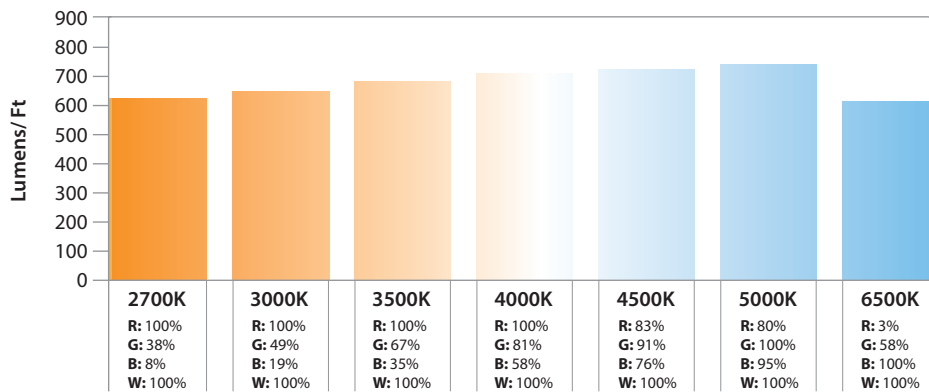


**ChromaHue** offers a vibrant full gamut of colors for seemingly endless architectural interior applications. Rich color-changing light offers tremendous design flexibility while white light can be achieved with the White chip, or mixing of Red, Green and Blue light. No longer just for the entertainment industry, ChromaHue can be intermixed on BionicPro luminaires for mood-creating indirect illumination combined with static white direct light.

- RGBW LED array (Red, Green, Blue, White) with full spectrum color and white light on the black body curve.
- Four-channel control, DMX drivers.
- Any color point within the triangle can be reached by setting the proper output levels for each individual red, green, blue and white channels.
- Standard DMX is one zone with one XLR drop at start, one XLR return at the end.



### CONSTRUCTED WHITES





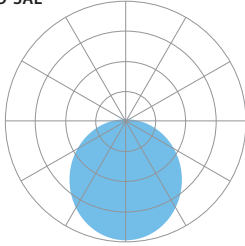
## FLSH:

### SATIN LENS

#### MEDIUM OUTPUT:

##### BPRO2-LIN-FLSH-LED35-MO-SAL

2300 Delivered Lumens  
23 Watts  
101 lm/w  
3500 CCT  
1.18 Spacing Criteria



#### Zonal Lumen Summary:

0-90 = 100%

852

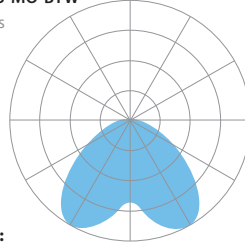
Vertical Angle	0°	25°	45°	65°	90°
0°	850	850	850	850	850
5°	841	842	840	846	852
15°	795	797	798	808	817
25°	715	718	723	739	750
35°	616	618	625	644	657
45°	504	504	513	531	547
55°	382	384	392	407	424
65°	257	259	267	281	295
75°	134	135	143	155	168
85°	21	23	28	38	48
90°	0	0	0	0	0

### BATWING

#### MEDIUM OUTPUT:

##### BPRO2-LIN-FLSH-LED35-MO-BTW

2445 Delivered Lumens  
23 Watts  
107 lm/w  
3500 CCT  
1.82 Spacing Criteria



#### Zonal Lumen Summary:

0-90 = 100%

1019

Vertical Angle	0°	25°	45°	65°	90°
0°	601	601	601	601	601
5°	651	644	622	606	598
15°	894	856	743	615	552
25°	1019	987	843	604	478
35°	568	708	993	1053	1030
45°	676	702	707	467	328
55°	466	487	514	355	266
65°	287	300	320	244	204
75°	141	148	160	141	133
85°	27	28	36	42	47
90°	0	0	0	0	0

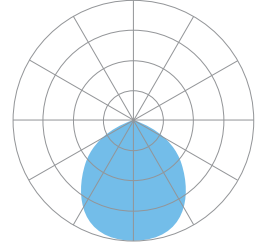
**UGR17**  
WELL Building Standard

### LOW GLARE PRISMATIC

#### STANDARD OUTPUT:

##### BPRO2-LED35-SO-LGP

3695 Delivered Lumens  
32 Watts  
117 lm/w  
3500 CCT



#### Zonal Lumen Summary:

0-90 = 100%

2384

Vertical Angle	0°	25°	45°	65°	90°
0°	2384	2384	2384	2384	2384
5°	2336	2337	2339	2364	2385
15°	1834	1894	2042	2208	2280
25°	1165	1239	1494	1886	2068
35°	774	812	990	1440	1757
45°	547	568	662	982	1366
55°	357	368	418	601	924
65°	193	200	222	300	446
75°	88	92	99	124	162
85°	27	27	27	29	33
90°	0	0	0	0	0

**UGR16**  
WELL Building Standard

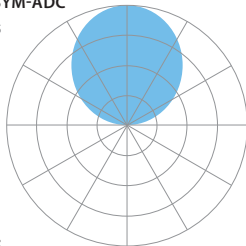
## NW - UP:

### SYMMETRIC

#### STANDARD OUTPUT:

##### BPRO2-LED35-SO-NW-SYM-ADC

4332 Delivered Lumens  
33 Watts  
132 lm/w  
3500 CCT



#### Zonal Lumen Summary:

90-180 = 100%

1782

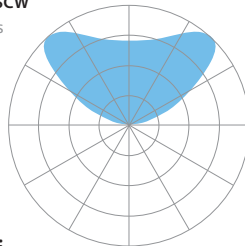
Vertical Angle	0°	22.5°	45°	67.5°	90°
90°	0	0	0	0	0
95°	61	62	65	67	69
105°	225	229	238	249	252
115°	436	444	465	473	483
125°	706	715	723	734	750
135°	976	980	993	1018	1034
145°	1248	1255	1267	1292	1308
155°	1494	1499	1502	1522	1537
165°	1668	1670	1667	1682	1699
175°	1755	1755	1750	1765	1782
180°	1770	1770	1770	1770	1770

### SOFT CEILING WASH

#### STANDARD OUTPUT:

##### BPRO2-LED35-SO-NW-SCW

4639 Delivered Lumens  
33 Watts  
143 lm/w  
3500 CCT



#### Zonal Lumen Summary:

90-180 = 100%

1584

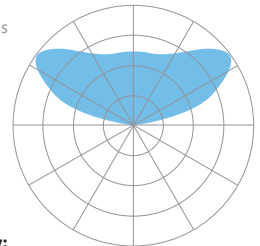
Vertical Angle	0°	22.5°	45°	67.5°	90°
90°	0	0	0	0	0
95°	102	123	161	136	48
105°	367	409	463	344	198
115°	755	804	824	539	369
125°	1270	1283	1117	701	539
135°	1584	1492	1179	823	700
145°	1484	1381	1138	921	851
155°	1279	1220	1102	1005	978
165°	1149	1130	1094	1074	1073
175°	1114	1111	1106	1114	1123
180°	1117	1117	1117	1117	1117

### MEDIUM CEILING WASH

#### STANDARD OUTPUT:

##### BIOPRO-LIN-SO-MCW

3115 Delivered Lumens  
32 Watts  
97 lm/w  
3500 CCT



#### Zonal Lumen Summary:

90-180 = 100%

1138

Vertical Angle	0°	22.5°	45°	67.5°	90°
90°	0	0	0	0	0
95°	41	45	57	33	1
105°	464	475	344	146	92
115°	852	787	495	539	204
125°	1060	916	573	256	296
135°	973	843	601	469	442
145°	811	739	1138	544	530
155°	709	683	619	600	598
165°	667	657	642	635	640
175°	659	657	655	653	656
180°	664	664	664	664	664

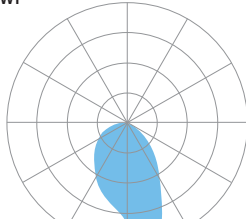


## FLSH:

### FLAT WALL WASH

**LOW OUTPUT:**  
BPRO2-FLSH-LED35-LO-4-WWF

1724 Delivered Lumens  
15 Watts  
110 lm/w  
3500 CCT



1004

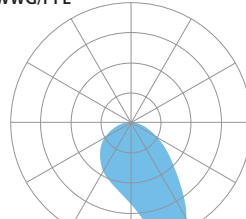
**Zonal Lumen Summary:**  
0-90 = 100%

WALL SIDE	Vertical Angle	0°	25°	45°	65°	90°
	90°	0	0	0	0	0
85°	16	16	19	22	24	
75°	60	62	77	82	82	
65°	121	128	160	170	159	
55°	209	222	276	315	291	
45°	334	355	427	509	455	
35°	504	528	608	714	592	
25°	709	739	836	859	694	
15°	996	1004	988	886	762	
5°	908	901	867	832	796	
0°	796	796	796	796	796	
5°	720	725	734	760	796	
15°	604	615	639	684	762	
25°	486	496	528	596	694	
35°	399	405	422	486	592	
45°	316	320	331	365	455	
55°	236	237	238	246	291	
65°	164	162	154	146	159	
75°	93	92	84	77	82	
85°	23	25	24	23	24	
90°	0	0	0	0	0	
Vertical Angle	180°	202.5°	225°	247.5°	270°	

### FOCAL GLOW WALL WASH / PERIMETER FILL

**LOW OUTPUT:**  
BPRO2-FLSH-LED35-LO-4-WWG/PFL

1656 Delivered Lumens  
15 Watts  
110 lm/w  
3500 CCT



893

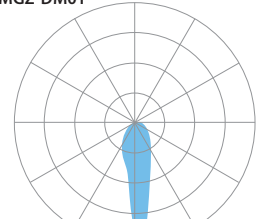
**Zonal Lumen Summary:**  
0-90 = 100%

WALL SIDE	Vertical Angle	0°	25°	45°	65°	90°
	90°	0	0	0	0	0
85°	17	17	21	24	26	
75°	62	67	86	90	85	
65°	132	143	189	180	147	
55°	241	261	340	314	226	
45°	394	427	532	473	328	
35°	618	660	725	604	604	
25°	870	874	826	678	525	
15°	893	871	796	694	595	
5°	722	716	689	662	632	
0°	634	634	634	634	634	
5°	565	570	578	601	632	
15°	487	491	499	529	595	
25°	436	438	441	458	525	
35°	385	384	382	387	432	
45°	329	326	318	311	328	
55°	262	259	244	225	226	
65°	186	182	164	145	147	
75°	102	102	89	81	85	
85°	24	26	25	24	26	
90°	0	0	0	0	0	
Vertical Angle	180°	202.5°	225°	247.5°	270°	

### MEDIUM WALL GRAZER

**LOW OUTPUT:**  
BPRO2-FLSH-LED35-LO-4-MGZ-DM01

1722 Delivered Lumens  
15 Watts  
114 lm/w  
4000 CCT



1701

**Zonal Lumen Summary:**  
0-90 = 100%

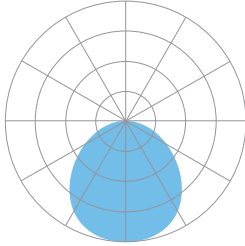
WALL SIDE	Vertical Angle	0°	25°	45°	65°	90°
	90°	0	0	0	0	0
85°	15	17	18	22	24	
75°	58	61	65	75	82	
65°	112	116	125	153	171	
55°	177	183	203	281	355	
45°	256	267	304	453	652	
35°	358	375	437	654	989	
25°	505	531	616	928	1293	
15°	726	770	928	1354	1506	
5°	1514	1564	1640	1701	1611	
0°	1608	1608	1608	1608	1608	
5°	1051	1081	1198	1399	1611	
15°	606	620	689	955	1506	
25°	459	473	526	692	1293	
35°	337	348	392	528	989	
45°	244	250	281	380	652	
55°	168	170	190	245	355	
65°	108	107	116	139	171	
75°	56	56	59	70	82	
85°	13	13	14	19	24	
90°	0	0	0	0	0	
Vertical Angle	180°	202.5°	225°	247.5°	270°	



**REG.5:**

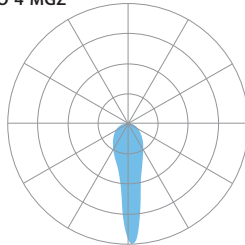
**SATIN LENS**

**STANDARD OUTPUT:**  
**BPRO2-LIN-REG.5-LED35-SO-SAL**  
 2610 Delivered Lumens  
 33 Watts  
 80 Lm/W  
 3500 CCT



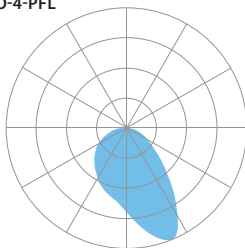
**MEDIUM WALL GRAZER**

**STANDARD OUTPUT:**  
**BPRO2-LIN-REG.5-LED35-SO-4-MGZ**  
 3210 Delivered Lumens  
 31 Watts  
 108 Lm/W  
 3500 CCT  
 19° FWHM



**PERIMETER FILL**

**STANDARD OUTPUT:**  
**BPRO2-LIN-REG.5-LED35-SO-4-PFL**  
 3029 Delivered Lumens  
 33 Watts  
 96 Lm/W  
 3500 CCT



UPTO 108<sup>LPW</sup>

REG.5:		LO	MO	SO	HO
<b>SAL</b>	Lm/Ft	300	460	650	800
<b>BTW</b>	Lm/Ft	340	500	715	900
<b>WWF</b>	Lm/Ft	375	560	750	975
<b>WWG/PFL</b>	Lm/Ft	375	560	750	975
<b>MGZ</b>	Lm/Ft	400	590	800	1040
	W/Ft	4	6	8	10.5

LUMEN CHART AT 3500K-80 CRI

**LUMEN MAINTENANCE**

**L70** — 200,000+ Hours  
**L90** — 100,000+ Hours (LO, MO & SO)  
**L90** — 60,000+ Hours (HO)

**LED SYSTEM** LED modules and drivers are field replaceable.

**PROG** (OPTIONAL) Programmable light output. Specify desired lumens or watts per linear foot.

**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.

**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 1.65" w x 1.25" h.

**CONSTRUCTION**

**Housing** Extruded aluminum housing and side wall >25% PC recycled, 100% recyclable.

**Lens** Seamless lens up to 200'. Consult factory for longer lengths. Polymer, 100% recyclable.

**Weight** 3.5 lbs/ft

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

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

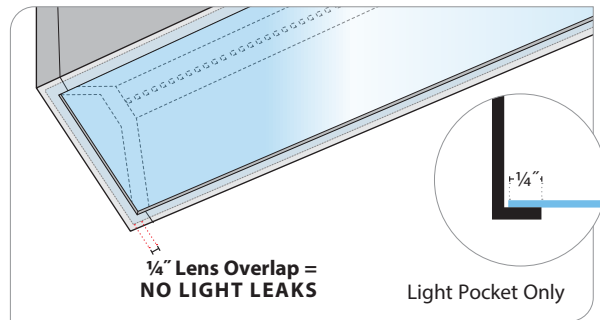
Consult factory for Louver IES: [marketing@prulite.com](mailto:marketing@prulite.com)



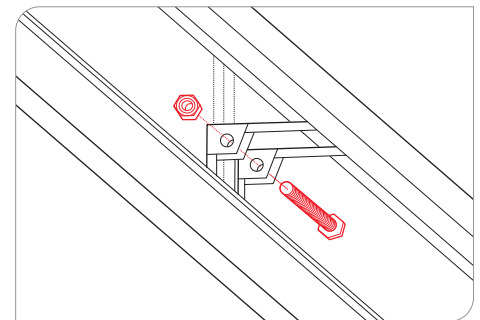
YSW – Seashell White (Matte)	YCH – Champagne (Metallic)
YSL – Silver (Metallic)	YPE – Pewter (Matte)
YRG – Rain Grey (Gloss)	YSTM – Storm Grey (Matte)
YBK – Black (Matte)	YBB – Black (Semi Gloss)
YSKM – Sky (Matte)	YMB – Military Blue (Matte)
YIB – Interstate Blue (Matte)	YSAM – Sapphire (Matte)
YFGM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



CAST ALUMINUM END CAPS



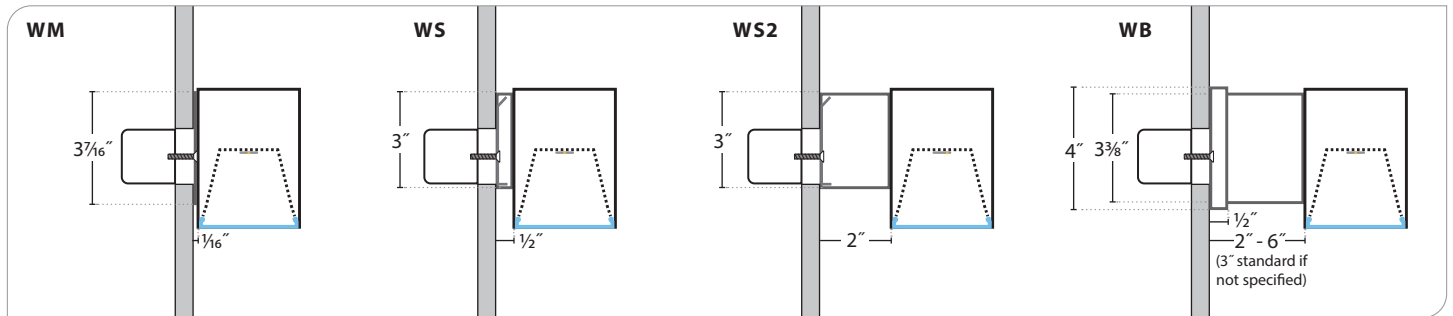
ADJOINING DETAILS



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

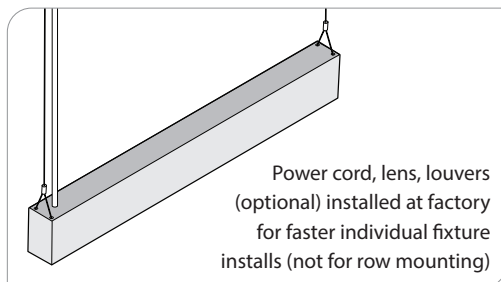
For paint chip samples, please email: [info@prulite.com](mailto:info@prulite.com)

WALL CROSS SECTIONS

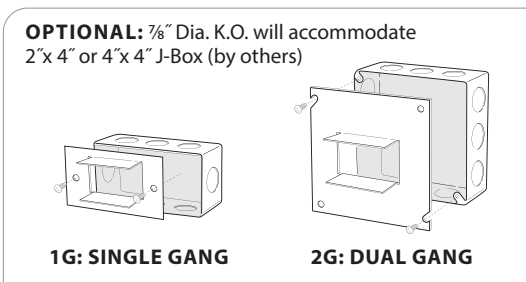


FIXTURE SIZE VARIES

PIF — PRE-INSTALLED INDIVIDUAL FIXTURE



EBCP — ELECTRICAL BOX COVER PLATE

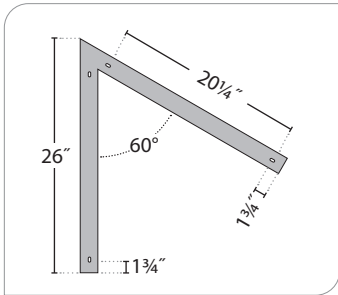




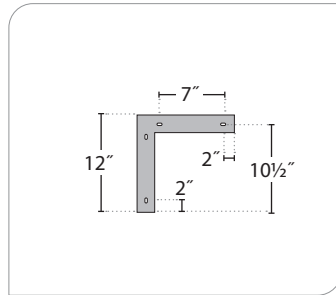


### CORNERS

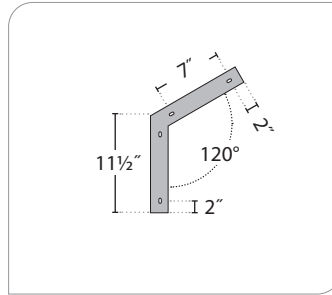
**C2-60:**



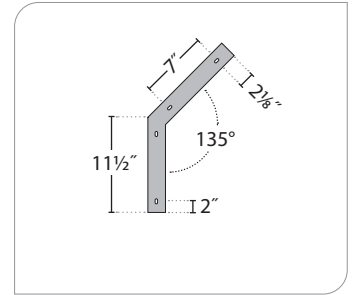
**C2-90:**



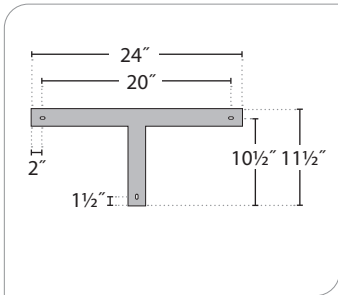
**C2-120:**



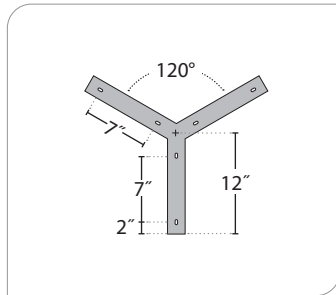
**C2-135:**



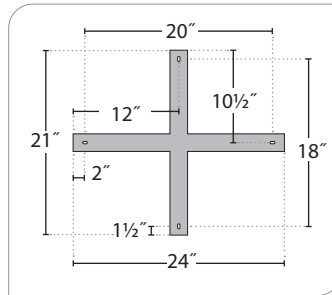
**C3T:**



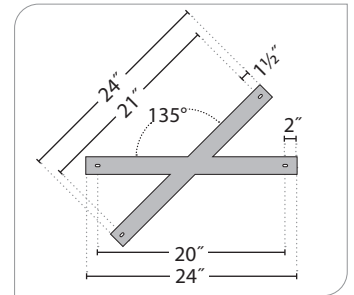
**C3Y:**



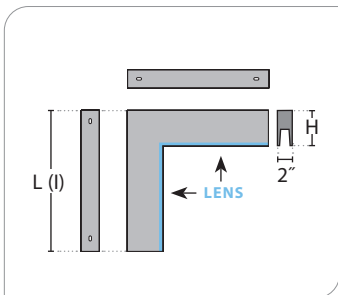
**C4T:**



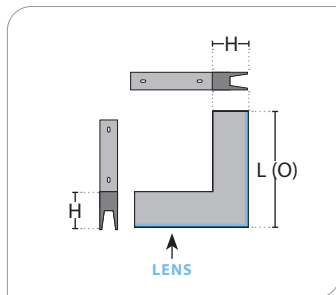
**C4X:**



**C8I:**



**C8O:**



BODY TYPE	DIM "H"	DIM "L" (I)	DIM "L" (O)
Direct Flush	4 3/8"	16 3/8"	12"
Direct Regress	4 7/8"	16 3/8"	12 1/2"
Direct/Indirect Flush	5"	17"	12"
Direct/Indirect Regress	5 1/2"	17"	12 1/2"

### SENSOR PLATE



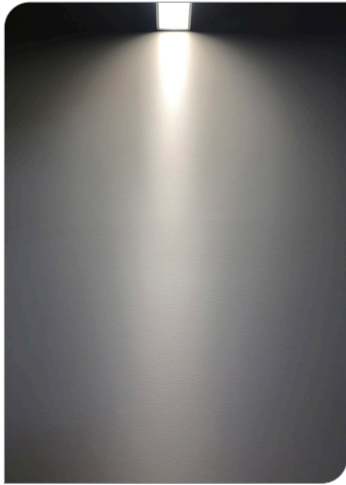
### LOUVER DETAIL



90° louver corners available, consult factory for other corners

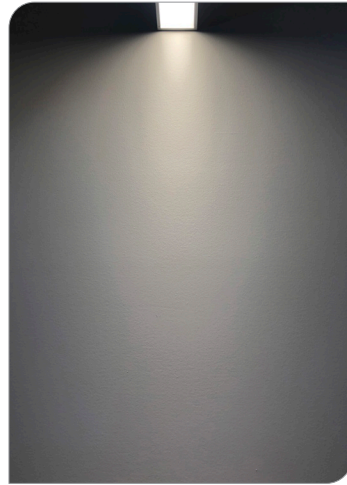


### FTR END OF ROW FEATHERING



Wall to wall (WTW) fixtures can project strong lighting distributions on perpendicular wall which some find undesirable.

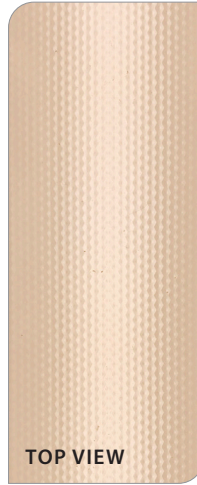
Medium Wall Graze (MGZ) shown above.



Feather (FTR) softens distributions on perpendicular walls.

Medium Wall Graze (MGZ) shown above with FTR.

### LGP LOW GLARE PRISMATIC LENS

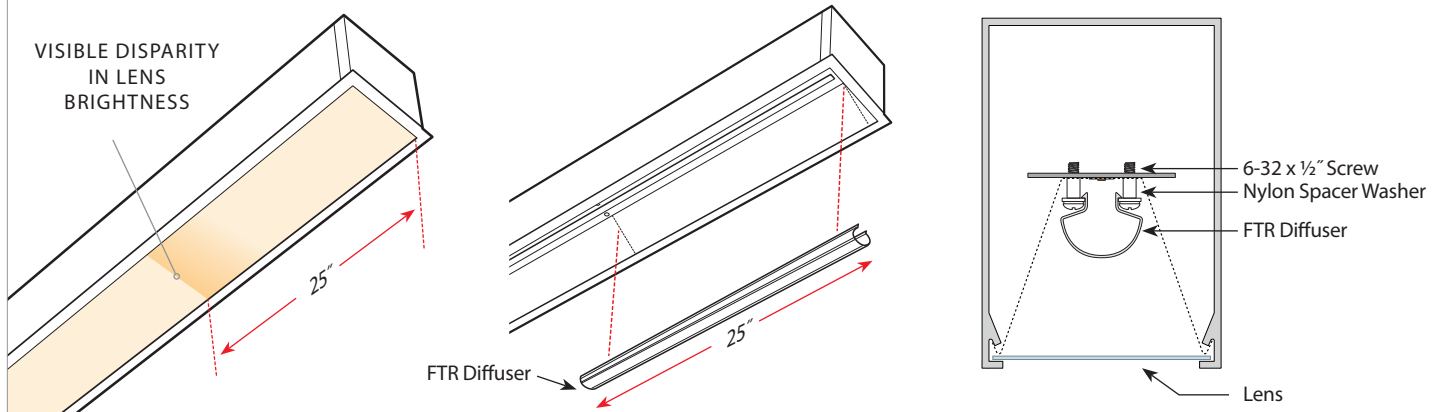


WELL OPTION 1B,  
FIXTURE UGR 16 OR LESS

Low Glare Prismatic lens has a dynamic 'prismatic stripe' that 'follows the viewer' and offers a sense of depth. The narrow distribution has low glare (UGR) and meets WELL UGR of 16 or lower. It utilizes the FTR Diffuser (see below).

**NOTE:** Our Batwing lens also meets WELL UGR of 16 or less (BioPro 3-4-5). NA with HO output.

### FTR (FEATHERING DIFFUSER) DETAIL



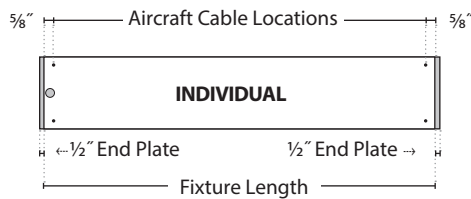
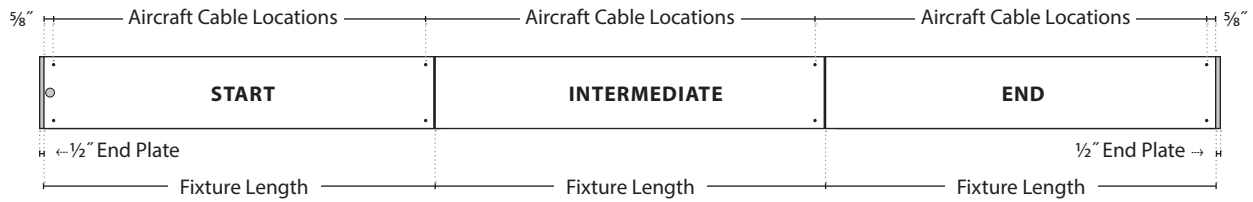
**NOTE:** Using FTR creates a visible disparity in lens brightness when viewed from directly below. FTR is NOT available dual-sided on two corners 5' or less.



## MOUNTING LOCATIONS:

### CABLE MOUNT

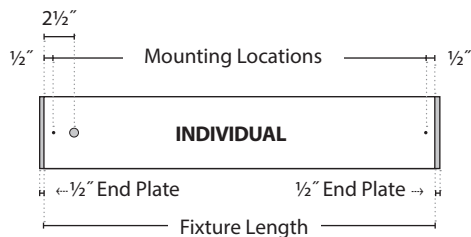
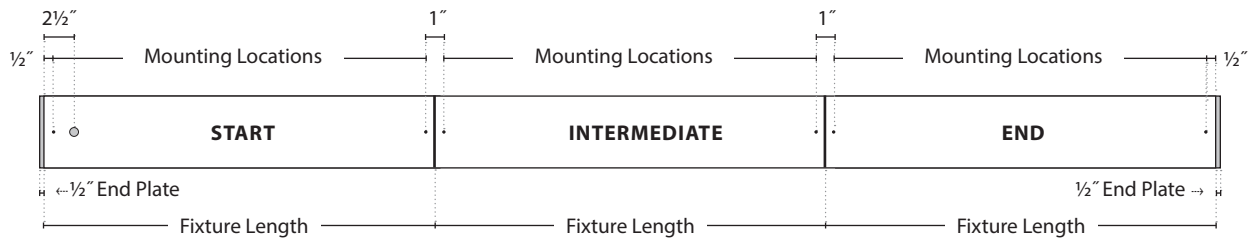
POWER FEED



	FIXTURE LENGTHS		AIRCRAFT CABLE LOCATIONS	
	All	Start / Individual	Intermediate / End	
2'	24"	22 3/4"	24"	
3'	36"	34 3/4"	36"	
4'	48"	46 3/4"	48"	
5'	60"	58 3/4"	60"	
6'	72"	70 3/4"	72"	
7'	84"	82 3/4"	84"	
8'	96"	94 3/4"	96"	

### SURFACE MOUNT

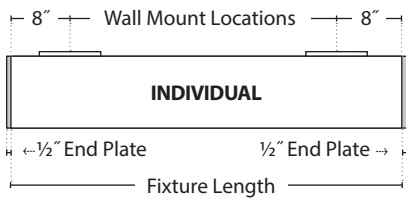
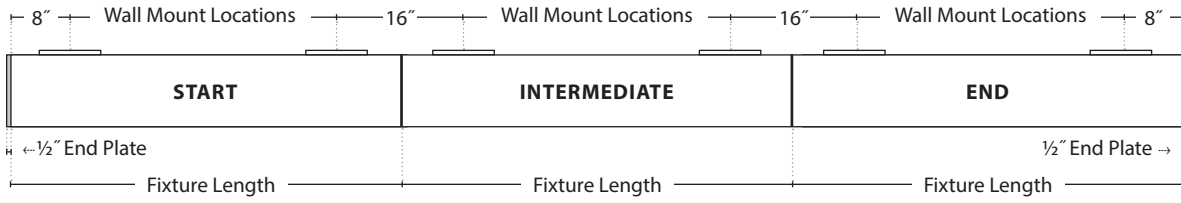
POWER FEED



	FIXTURE LENGTHS		MOUNTING LOCATIONS	
	All	Start / Individual	Intermediate / End	
2'	24"	23"		
3'	36"	35"		
4'	48"	47"		
5'	60"	59"		
6'	72"	71"		
7'	84"	83"		
8'	96"	95"		



## WALL MOUNT

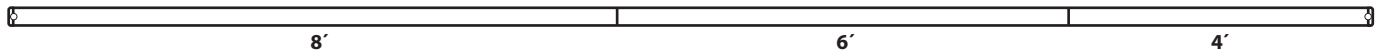


	<b>FIXTURE LENGTHS</b>	<b>WALL MOUNT LOCATIONS</b>
2'	24"	8"
3'	36"	20"
4'	48"	32"
5'	60"	44"
6'	72"	56"
7'	84"	68"
8'	96"	80"

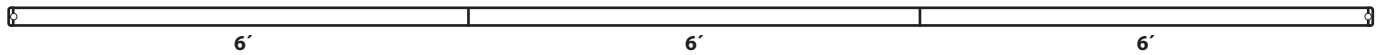


## ROW BUILDER

### 18' STANDARD ROW LENGTH:



### 18' SYMMETRIC ROW LENGTH (SRL):



### STANDARD

ROW LENGTH		
9'	5+4	5FT STR + 4FT END
10'	6+4	6FT STR + 4FT END
11'	7+4	7FT STR + 4FT END
12'	8+4	8FT STR + 4FT END
13'	8+5	8FT STR + 5FT END
14'	8+6	8FT STR + 6FT END
15'	8+7	8FT STR + 7FT END
16'	8+8	8FT STR + 8FT END
17'	8+5+4	8FT STR + 5FT INT + 4FT END
18'	8+6+4	8FT STR + 6FT INT + 4FT END
19'	8+7+4	8FT STR + 7FT INT + 4FT END
20'	8+8+4	8FT STR + 8FT INT + 4FT END
21'	8+8+5	8FT STR + 8FT INT + 5FT END
22'	8+8+6	8FT STR + 8FT INT + 6FT END
23'	8+8+7	8FT STR + 8FT INT + 7FT END
24'	8+8+8	8FT STR + 8FT INT + 8FT END
25'	8+8+5+4	8FT STR + 8FT INT + 5FT INT + 4FT END
26'	8+8+6+4	8FT STR + 8FT INT + 6FT INT + 4FT END
27'	8+8+7+4	8FT STR + 8FT INT + 7FT INT + 4FT END
28'	8+8+8+4	8FT STR + (2) 8FT INT + 4FT END
29'	8+8+8+5	8FT STR + (2) 8FT INT + 5FT END
30'	8+8+8+6	8FT STR + (2) 8FT INT + 6FT END
31'	8+8+8+7	8FT STR + (2) 8FT INT + 7FT END
32'	8+8+8+8	8FT STR + (2) 8FT INT + 8FT END
33'	8+8+8+5+4	8FT STR + (2) 8FT INT + 5FT INT + 4FT END
34'	8+8+8+6+4	8FT STR + (2) 8FT INT + 6FT INT + 4FT END
35'	8+8+8+7+4	8FT STR + (2) 8FT INT + 7FT INT + 4FT END
36'	8+8+8+8+4	8FT STR + (3) 8FT INT + 4FT END
37'	8+8+8+8+5	8FT STR + (3) 8FT INT + 5FT END
38'	8+8+8+8+6	8FT STR + (3) 8FT INT + 6FT END
39'	8+8+8+8+7	8FT STR + (3) 8FT INT + 7FT END
40'	8+8+8+8+8	8FT STR + (3) 8FT INT + 8FT END
41'	8+8+8+8+5+4	8FT STR + (3) 8FT INT + 5FT INT + 4FT END
42'	8+8+8+8+6+4	8FT STR + (3) 8FT INT + 6FT INT + 4FT END
43'	8+8+8+8+7+4	8FT STR + (3) 8FT INT + 7FT INT + 4FT END
44'	8+8+8+8+8+4	8FT STR + (4) 8FT INT + 4FT END
45'	8+8+8+8+8+5	8FT STR + (4) 8FT INT + 5FT END
46'	8+8+8+8+8+6	8FT STR + (4) 8FT INT + 6FT END
47'	8+8+8+8+8+7	8FT STR + (4) 8FT INT + 7FT END
48'	8+8+8+8+8+8	8FT STR + (4) 8FT INT + 8FT END
49'	8+8+8+8+8+5+4	8FT STR + (4) 8FT INT + 5FT INT + 4FT END
50'	8+8+8+8+8+6+4	8FT STR + (4) 8FT INT + 6FT INT + 4FT END

### SYMMETRICAL

ROW LENGTH		
9'	3+3+3	3FT STR + 3FT INT + 3FT END
10'	5+5	5FT STR + 5FT END
11'	4+3+4	4FT STR + 3FT INT + 4FT END
12'	6+6	6FT STR + 6FT END
13'	4+5+4	4FT STR + 5FT INT + 4FT END
14'	7+7	7FT STR + 7FT END
15'	5+5+5	5FT STR + 5FT INT + 5FT END
16'	8+8	8FT STR + 8FT END
17'	6+5+6	6FT STR + 5FT INT + 6FT END
18'	6+6+6	6FT STR + 6FT INT + 6FT END
19'	6+7+6	6FT STR + 7FT INT + 6FT END
20'	8+4+8	8FT STR + 4FT INT + 8FT END
21'	8+5+8	8FT STR + 5FT INT + 8FT END
22'	8+6+8	8FT STR + 6FT INT + 8FT END
23'	8+7+8	8FT STR + 7FT INT + 8FT END
24'	8+8+8	8FT STR + 8FT INT + 8FT END
25'	6+4+5+4+6	6FT STR + 4FT INT + 5FT INT + 4FT INT + 6FT END
26'	8+5+5+8	8FT STR + (2) 5FT INT + 8FT END
27'	6+5+5+5+6	6FT STR + (3) 5FT INT + 6FT END
28'	8+6+6+8	8FT STR + (2) 6FT INT + 8FT END
29'	8+4+5+4+8	8FT STR + 4FT INT + 5FT INT + 4FT INT + 8FT END
30'	8+7+7+8	8FT STR + (2) 7FT INT + 8FT END
31'	8+5+5+5+8	8FT STR + (3) 5FT INT + 8FT END
32'	8+8+8+8	8FT STR + (2) 8FT INT + 8FT END
33'	8+6+5+6+8	8FT STR + 6FT INT + 5FT INT + 6FT INT + 8FT END
34'	8+6+6+6+8	8FT STR + 6FT INT + 6FT INT + 6FT INT + 8FT END
35'	8+6+7+6+8	8FT STR + 6FT INT + 7FT INT + 6FT INT + 8FT END
36'	8+8+4+8+8	8FT STR + 8FT INT + 4FT INT + 8FT INT + 8FT END
37'	8+8+5+8+8	8FT STR + 8FT INT + 5FT INT + 8FT INT + 8FT END
38'	8+8+6+8+8	8FT STR + 8FT INT + 6FT INT + 8FT INT + 8FT END
39'	8+8+7+8+8	8FT STR + 8FT INT + 7FT INT + 8FT INT + 8FT END
40'	8+8+8+8+8	8FT STR + (3) 8FT INT + 8FT END
41'	8+6+4+5+4+6+8	8FT STR + 6FT INT + 4FT INT + 5FT INT + 4FT INT + 6FT INT + 8FT END
42'	8+8+5+5+8+8	8FT STR + 8FT INT + (2) 5FT INT + 8FT INT + 8FT END
43'	8+6+5+5+5+6+8	8FT STR + 6FT INT + (3) 5FT INT + 6FT INT + 8FT END
44'	8+8+6+6+8+8	8FT STR + 8FT INT + (2) 6FT INT + 8FT INT + 8FT END
45'	8+8+4+5+4+8+8	8FT STR + 8FT INT + 4FT INT + 5FT INT + 4FT INT + 8FT INT + 8FT END
46'	8+8+7+7+8+8	8FT STR + 8FT INT + (2) 7FT INT + 8FT INT + 8FT END
47'	8+8+5+5+5+8+8	8FT STR + 8FT INT + (3) 5FT INT + 8FT INT + 8FT END
48'	8+8+8+8+8+8	8FT STR + (4) 8FT INT + 8FT END
49'	8+8+6+5+6+8+8	8FT STR + 8FT INT + 6FT INT + 5FT INT + 6FT INT + 8FT INT + 8FT END
50'	8+8+6+6+6+8+8	8FT STR + 8FT INT + (3) 6FT INT + 8FT INT + 8FT END



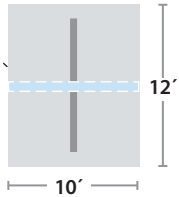
## BionicPro2 Batwing Vs. Top 2" Competitor (Satin Lens)

### SINGLE OFFICE

BionicPro2



Top Competitor

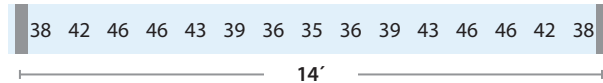


	BionicPro2	Competitor
LPW	105	86
<b>SPACING CRITERIA</b>	<b>1.8</b>	<b>1.0</b>
MAX/MIN	2.1	3.5
W/SQ. FT.	.65	.6
FC AVERAGE	31	29

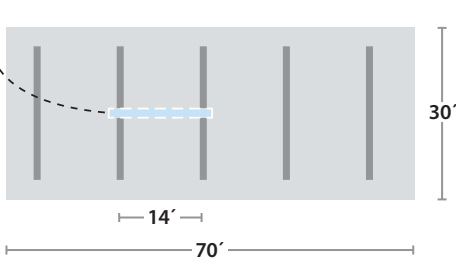
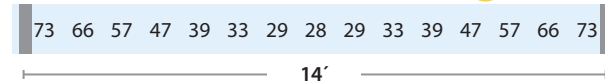
9' ceiling .85 lf BionicPro2—8w/ft Competitor—7w/ft Footcandles at 30" working plane

### OPEN OFFICE

BionicPro2



Top Competitor



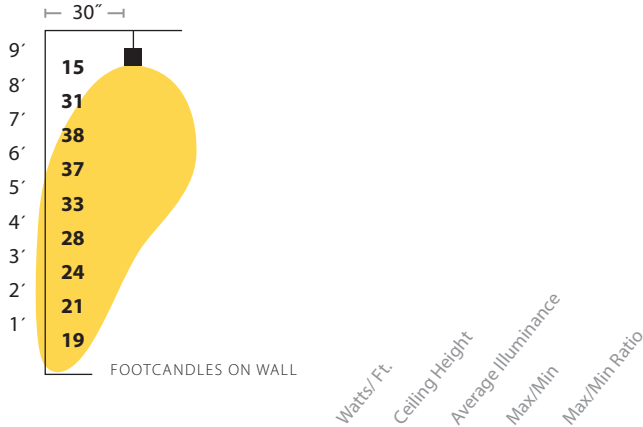
	BionicPro2	Competitor
LPW	108	86
<b>SPACING CRITERIA</b>	<b>1.8</b>	<b>1.0</b>
MAX/MIN	2.3	3.7
MAX/MIN BETWEEN ROWS	1.3	2.6
W/SQ. FT.	.36	.45
FC AVERAGE	33	29

9' ceiling .85 lf BionicPro2—5.7/ft Competitor—7w/ft Footcandles at 30" working plane



## Smooth, flat wall washing (WWF)

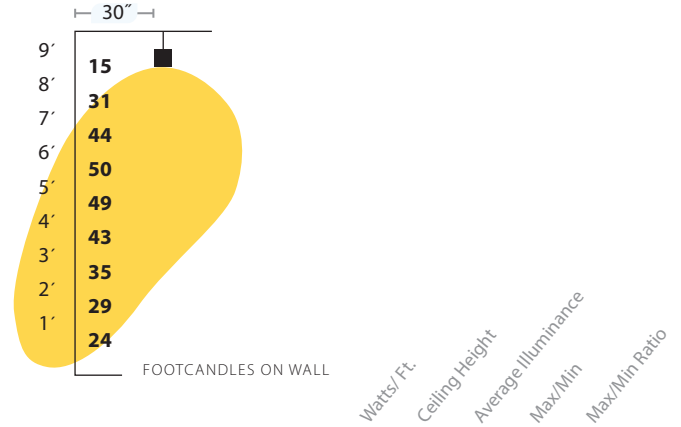
Our patent-pending TruBeam™ optics redirect light in an ideal flat wall wash for smooth, even illumination.



<b>Medium Output</b>   600 lumens/ft	6	9'	<b>36 fc</b>	50/15	3.3
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## Focal glow wall washing (WWG)

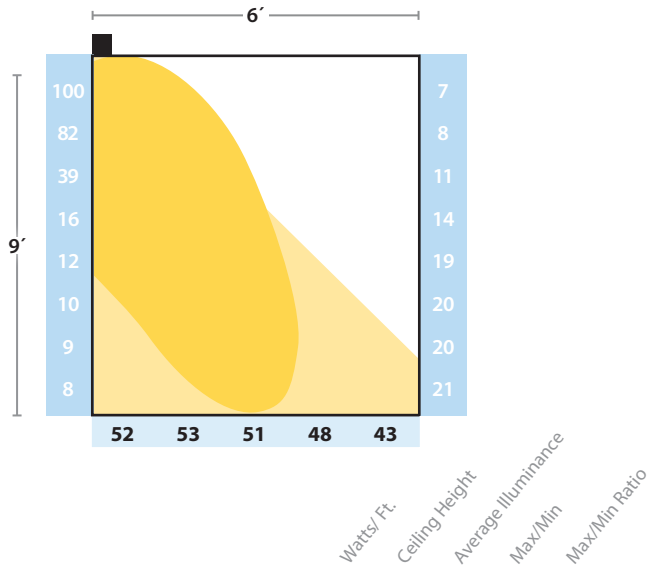
Pique interest by giving works of art 'pop' — more light at eye level



<b>Medium Output</b>   600 lumens/ft	6	9'	<b>36 fc</b>	50/15	3.3
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## Perimeter Fill (PFL)

Wash a corridor in light from one side of the perimeter. Our Perimeter Fill is ideal for hospital corridors where a 50 fc average is needed.

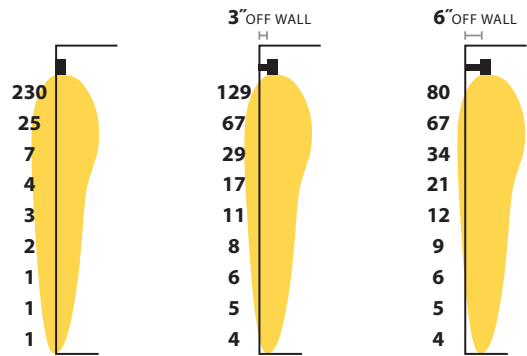


<b>High Output</b>   1050 lumens/ft	1.75	10'	<b>50 fc</b>	53/43	1.2
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## Medium Wall Graze (MGZ)

Wall grazing performance often better just off a wall.

**DIRECT TO WALL (WM) WALL BRACKET (WB)**



See perimeter specs

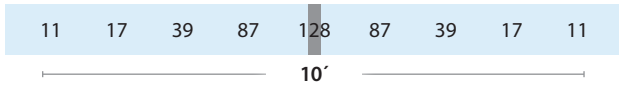
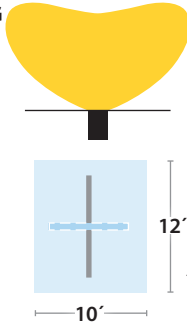
**USE WB WALL BRACKET FOR BETTER PERFORMANCE THAN FLUSH TO WALL**



## Soft Ceiling Wash (SCW)

**SINGLE OFFICE OR OTHER SMALL CEILING**

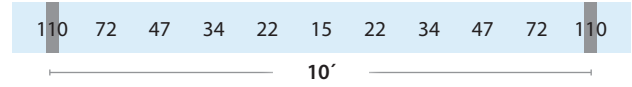
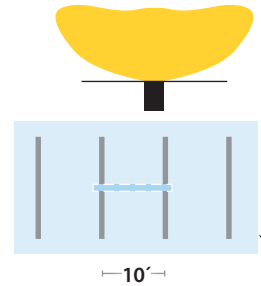
Hung 18" below ceiling



## Medium Ceiling Wash (MCW)

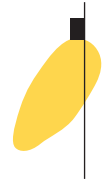
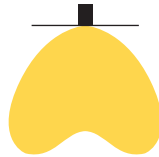
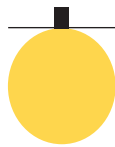
**SINGLE OFFICE OR OTHER SMALL CEILING**

Hung 18" below ceiling



## BionicPro to Bionic/P23-43 Optics Crossing Matrix

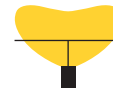
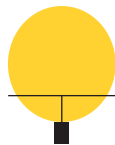
**DOWNLIGHT:**



	Satin	Batwing	Flat Wall Wash	Focal Glow Wall Wash	Perimeter Fill
<b>BionicPro</b>	SAL	BTW	WWF	WWG	PFL
<b>Bio2 / P23</b> = BionicPro3	SAL	MBW	MWW/D1W	—	MWW/D1R
<b>Bionic4 / P43</b> = BionicPro4	SAL	ABW/D1X	—	AWL/D1W	AWL/D1R

WWG = PFL  
Lens aimed away from wall

**UPLIGHT:**



	Symmetric	Hard Ceiling Wash	Medium Ceiling Wash	Soft Ceiling Wash	Asymmetric Ceiling Wash
<b>BionicPro</b>	SYM	HCW NA BionicPro2	MCW	SCW	SACW
<b>Bio2 / P23</b> = BionicPro3	SYM	CW	CW	—	ACW
<b>Bionic4 / P43</b> = BionicPro4	SYM	CW	CW	—	—





### LM79 & TM30 DATA:

	MEASURED CCT	MEASURED LUMENS	CRI	R9	DuV	SPD	TM30 — COLOR VECTOR	TM30 — COLOR DISTORTION
<b>LED27</b>	2680	80%	93	58	0.001		 89 Rf	 97 Rg
<b>LED3</b>	3042	95%	82	6	0.001		 81 Rf	 92 Rg
<b>LED3-90</b>	3016	85%	93	61	0.000		 88 Rf	 96 Rg
<b>LED35</b>	3482	100%	82	3	0.002		 81 Rf	 92 Rg
<b>LED35-90</b>	3417	85%	93	67	0.000		 88 Rf	 96 Rg
<b>LED4</b>	3952	102%	82	4	0.003		 81 Rf	 92 Rg
<b>LED4-90</b>	3882	85%	92	67	0.003		 87 Rf	 96 Rg
<b>LED5-90</b>	4889	85%	94	84	0.002		 86 Rf	 95 Rg



### LM79 & TM30 DATA:

		MEASURED CCT	MEASURED LUMENS	CRI	R9	LED27	SPD	TM30 — COLOR VECTOR
<b>BH3S&amp;D</b>	bioS 3000K	2779	2758	87	81	0.003		
	<b>BH3D</b> SKY BLUE DIMMED	2715	2425	82	3	0.002		
<b>BH35S&amp;D</b>	bioS 3500K	3245	2919	85	87	0.003		
	<b>BH35D</b> SKY BLUE DIMMED	3061	2502	83	7	0.001		
<b>BH4&amp;D</b>	bioS 4000K	3624	2993	85	86	0.004		
	<b>BH4D</b> SKY BLUE DIMMED	3388	2585	83	5	0.002		
<b>TH</b>	LED27	2684	2456	92	57	0.0001		
	LED65	6061	3292	82	-1	0.006		
<b>TH2</b>	LED22	2209	2112	92	52	0.0005		
	LED50	4796	2789	93	77	0.004		
<b>CH</b>	2700K	2632	2469	82	50	0.003		
	3500K	3388	2585	83	5	0.002		
	4000K	3977	2682	83	29	0.003		
	5000K	5233	2823	84	21	0.003		



## SENSORS

				
<b>205:</b> Wattstopper	<b>ENL:</b> Enlighted Occupancy / Daylight	<b>LVOC:</b> Lutron Occupancy /Daylight Sensor	<b>LVRF:</b> Lutron Vive Control Node	<b>NXSMP:</b> Hubbell Occupancy /Daylight Sensor
Low voltage PIR fixture integrated occupancy sensor.	Enlighted Network Integrated/embedded networked lighting control, luminaire-level lighting control, LLLC.  When configured as an IoT Node, the sensor streams comprehensive live data for use with Enlighted's real-time location and analytics software applications. This option is available directly from the factory or as a remote upgrade.  Wireless Internet.	Measures light in the space (daylighting) while detecting people moving within an area using passive infrared to determine occupancy.  Controls the lights to balance the light level in the space, combining convenience, exceptional energy savings, and ease of installation.	Provides wireless control of the fixture when neither occupancy nor daylight sensing is needed.	Hubbell Integrated/embedded networked lighting control, luminaire-level lighting control, LLLC.  PIR motion sensor for automatic On/Off control.  Integrated daylight sensor for daylight harvesting and/or lumen maintenance.  Bluetooth radio provides wireless control of luminaire.  Simple plug-in connection to NX Fixture Modules.  Wireless Internet.
				
<b>ATHENA</b>	<b>NLT-AIR-rIO:</b> Daylight+Occ	<b>NLT-AIR-ADCX:</b> Daylight+(PIR Acoustic) Occ	<b>NLT-WIRED-nIO:</b> Daylight+Occ	<b>NLT-WIRED-ADCX:</b> Daylight+(PIR Acoustic) Occ
The Athena wireless node is a radio frequency (RF) device that enables simple, digital control of individual light fixtures in an Athena control system.  The small size and compatibility with a wide variety of drivers allow for seamless integration with common commercial lighting fixtures from any manufacturer.  Requires drivers with auxiliary power, consult factory for lead times	The rIO is a fixture embedded low voltage wireless nLight AIR device capable of individual fixture control and analog or digital dimming. This smart device results in the luminaire being "nLight AIR-enabled" — making it an addressable nLight AIR device. It uses a 900MHz radio to communicate with other nLight AIR devices, such as occupancy sensors, photocells, wall switches, powerpacks and other nLight AIR-enabled luminaires. This allows for advanced operation and design flexibility ranging from stand-alone rooms to building and campus-wide networks.	The nLight® AIR rES7 sensor is an in-fixture, low voltage, digital sensor providing embedded wireless lighting control, analog or digital dimming, occupancy detection and daylight harvesting capabilities.  The rES7 is designed for mounting heights up to 20 ft in indoor luminaires. The rES7 sensor provides Passive Infrared (PIR) occupancy detection over a 15-20 ft (4.57 - 6.10 m) radial coverage pattern and photocell light level detection in one compact low profile design with optional Dual Technology, which adds Microphonics™ to PIR detection. The rES7 sensor is ideal for occupancy and daylighting control in suspended or recessed luminaires.	nLight digital nIO modules are low voltage control devices that enable digital control of LEDcode enabled eldoLED LED drivers. Through eldoLED's bi-directional 2-wire interface, these modules deliver natural, flicker-free high performance dimming while eliminating common issues related to 0-10 VDC alternatives. The modules also enable the eldoLED LED Drivers to be addressable, as well as capable of digitally communicating with other nLight controls such as occupancy sensors, photocells, and WallPods. This allows for advanced operation and design flexibility ranging from stand-alone rooms to building and campus-wide networks.	The nES 7 is a small passive infrared occupancy sensor designed to be easily embedded into luminaires. This sensor provides excellent line of sight 360° PIR detection of small motion and walking motion. The nES 7 is ideal for small rooms without obstructions or areas with primarily walking motion (e.g. corridors, library stacks). Additionally, an optional integrated photocell enables daylight harvesting control as well. Typically one or more nES 7 sensors are paired with an nLight controller within an nLight enabled luminaire.  For rooms like classrooms and private offices or any space with obstructions, the nES PDT 7 dual technology sensor is recommended.