



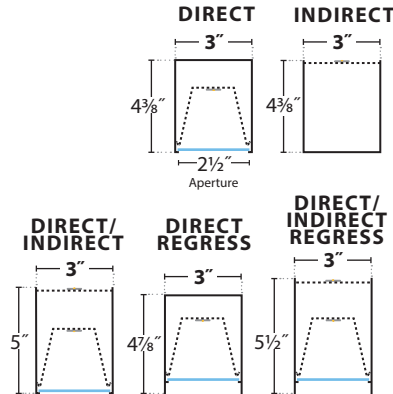
Technical Questions



CLICK HERE

**What distinguishes BionicPro?**

2" - 3" - 4" - 5" luminaires with a seamless lens for clean lines of light and no light leaks, anywhere. Fantastic optical performance via our TruBeam™ technology making delivering the industry's best batwing with remarkably soft, even illumination and low glare (UGR <19), a vastly improved Ceiling Wash, two wall washes to fit your design intent, our Perimeter Fill to wash corridors with light from one side, all with just a lens change.



**UGR16**  
WELL Building Standard



Made in the **USA**

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

See LED Details PDF for more info

		UPTO <b>121</b> LM/W			
<b>DIRECT:</b>		LO	MO	SO	HO
<b>BTW</b> Lm/Ft		470	685	950	1200
<b>SAL</b> Lm/Ft		435	640	885	1100
<b>WWF</b> Lm/Ft		475	700	975	1225
<b>WWG / PFL</b> Lm/Ft		475	700	975	1225
	W/Ft	4	6	8	10.5
<b>INDIRECT:</b>		LO	MO	SO	HO
<b>SYM</b> Lm/Ft		625	825	1075	1375
<b>HCW</b> Lm/Ft		300	450	625	775
<b>SCW</b> Lm/Ft		575	875	1170	1450
<b>SACW</b> Lm/Ft		500	750	1000	1200
	W/Ft	4	6	8	10.5
<b>DIRECT / INDIRECT:</b>					
	W/Ft	8	12	16	21
<b>LUMEN CHART AT 3500K-80 CRI</b>					

SERIES	LENS POS.	LED COLOR	OUTPUT	NOM. LENGTH	FINISH COLOR	LOUVER COLOR	DISTRIBUTION	UP OPTIONS	CIRCUITING	VOLTAGE	MOUNTING	CEILING SYSTEMS	DRIVERS	OPTIONS & CONTROL SENSORS
BPro3-Lin			—				—							
Bionic Pro3 Linear	FLSH Flush Lens REG.5 1/2" Regress LVR 1/2" Regress with Louver	CH Chroma-Hue, RGBW	LO Low MO Medium SO Standard HO High PROG Programmable Light Output (Specify desired lm/ft or w/ft) SPECIFY DOWN THEN UP IF DIFFERENT OUTPUT DESIRED	2' 3' 4' 5' 6' 7' 8' R (Row Length, 1' increments) SRL Sym-metric Row Length (See page 7) NOTE: Individual fixtures are NOT intended for row mounting	TMW Textured Matte White (Standard) YGW Gloss White Y Premium Color CC Custom Color	YBK Black Matte (Standard) TMW Textured Matte White (Standard) YGW Gloss White Y Premium Color CC Custom Color	<b>CHOOSE DOWN-AND-UP</b> <b>DOWN:</b> NW No Down-light SAL Satin Lens BTW Batwing WWF Flat Wall Wash WWG Focal Glow Wall Wash PFL Perimeter Fill (Wall mounted) <b>UP:</b> NU No Up-light HCW Hard Ceiling Wash SYM Sym-metric (Frosted ADC standard) SCW Soft Ceiling Wash SACW Soft Asym-metric Ceiling Wash	TG Top Glow ADC Acrylic Dust Cover (Clear) Standard for SYM (Frosted) TGADC Top Glow with Acrylic Dust Cover UP OPTIONS AVAILABLE WITH ANY UP DISTRIBUTION	SC Single Circuit (Down & Up will dim together) DC Dual Circuit (Needed if dimming Down separately from Up)	UNV (120-277) 347 (Emergency battery requires remote driver box)	CA48", 96" or 144" Aircraft Cable (Adjustable) SUR Surface Mount (Direct only) WM Direct to Wall WS 1/2" Wall Spacer WS2 2" Wall Spacer WBx.x Wall Bracket (2" - 6" in .5" increments, 3" standard if not specified)	X1 T-Bar X3 Hard Ceiling X6 Slot Grid	EPDA EldoLED Power-Drive RGBW, DMX	EMHE CA T20 Emergency Battery (1250 Delivered lumens; CA Title 20 compliant) ETS-DR Iota ETS-DR Emergency Transfer Switch EMC Emergency Circuiting EBCP1G /2G Single / Dual Gang (Electrical Box Cover Plate/Mud Ring) PIF Pre-installed Individual Fixture (Saves time on individual fixture installs, see page 4) <b>SENSORS:</b> 205 WattStopper PIR Occupancy 205-ON/OFF 205-STEP: Dim to 50% 205-DM: Dim to 1% ENL Enlighted SU-5E-IOT LUX Phillips DL LVOC Lutron Vive (Occ & RF) LVRF Lutron Vive (RF Only) NXSMP Hubbell (Occ) NLT Acuity N-Light <b>CORNERS:</b> C2-60 Lit 60° C2-90 Lit 90° C2-120 Lit 120° C2-135 Lit 135° C3T Lit 90° 3-Way: T C3Y Lit 120° 3-Way: Y C4T Lit 90° 4-Way: + C4X Lit 45°-135° 4-Way: X C8I Lit Inside 135° C8L Lit Outside 2-Plane LRT Linear to Recessed Transition (Straight rows only)
							SAL BTW WWF WWG PFL SYM HCW SCW SACW							



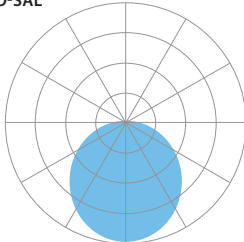
**DISTRIBUTIONS:**

**SATIN LENS**

**Medium Output:**

**BPRO3-LIN-FLSH-LED35-MO-SAL**

2566 Delivered Lumens  
23 Watts  
113 lm/w  
3500 CCT  
1.24 Spacing Criteria  
Test  
#104013131LAX-002F



**940**

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

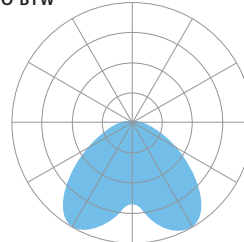
Vertical Angle	0°	25°	45°	65°	90°
0°	940	940	940	940	940
5°	933	934	930	936	938
15°	890	891	890	897	899
25°	808	810	812	823	826
35°	702	704	708	720	724
45°	580	581	585	596	602
55°	448	449	453	460	466
65°	310	311	314	319	325
75°	174	174	177	180	185
85°	45	45	48	50	52
90°	0	0	0	0	0

**BATWING**

**Medium Output:**

**BPRO3-LIN-FLSH-LED35-MO-BTW**

2747 Delivered Lumens  
23 Watts  
121 lm/w  
3500 CCT  
1.84 Spacing Criteria  
Test  
#104013131LAX-002F



**1096**

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

Vertical Angle	0°	25°	45°	65°	90°
0°	690	690	690	690	690
5°	734	727	705	690	684
15°	971	932	819	688	630
25°	1096	1058	910	667	541
35°	1029	1018	903	609	447
45°	796	820	787	512	365
55°	540	566	587	393	295
65°	337	352	371	273	226
75°	178	184	192	162	148
85°	49	50	54	53	53
90°	0	0	0	0	0

**UGR16**

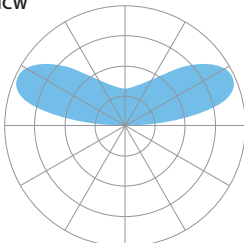
WELL Building Standard

**HARD CEILING WASH**

**Standard Output:**

**BPRO4-LED35-SO-NW-HCW**

2504 Delivered Lumens  
33 Watts  
86 lm/w  
3500 CCT  
Test  
#104491851LAX-010



**958**

**Zonal Lumen Summary:**  
90-180 = 100%

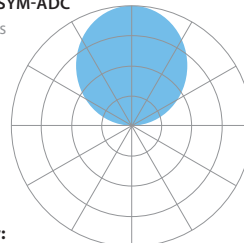
Vertical Angle	0°	22.5°	45°	67.5°	90°
90°	0	0	0	0	0
95°	40	44	57	89	27
105°	557	564	455	243	101
115°	958	846	572	309	178
125°	900	793	558	336	241
135°	718	644	489	346	285
145°	548	507	425	347	314
155°	437	420	382	346	332
165°	376	370	356	346	342
175°	348	347	345	346	348
180°	345	345	345	345	345

**SYMMETRIC**

**Standard Output:**

**BPRO3-LED35-SO-NW-SYM-ADC**

4472 Delivered Lumens  
33 Watts  
136 lm/w  
3500 CCT  
Test  
#104503052LAX-002



**1787**

**Zonal Lumen Summary:**  
90-180 = 100%

Vertical Angle	0°	22.5°	45°	67.5°	90°
90°	0	0	0	0	0
95°	68	68	69	69	72
105°	245	246	256	258	259
115°	490	490	496	490	495
125°	756	757	762	753	767
135°	1035	1035	1026	1037	1051
145°	1291	1291	1294	1309	1323
155°	1521	1521	1520	1534	1549
165°	1681	1681	1677	1690	1706
175°	1761	1761	1756	1770	1787
180°	1775	1775	1775	1775	1775



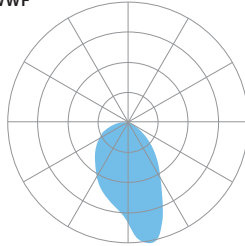
**DISTRIBUTIONS:**

**FLAT WALL WASH**

**Standard Output:**

**BPRO3-FLSH-LED35-LO-4-WWF**

1923 Delivered Lumens  
15.40 Watts  
125 lm/w  
3500 CCT  
Test  
104361023LAX-003B



1224

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

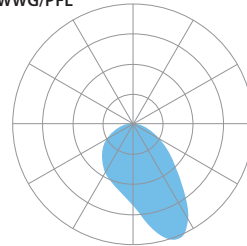
Vertical Angle	WALL SIDE					ROOM SIDE				
	0°	25°	45°	65°	90°	0°	25°	45°	65°	90°
90°	0	0	0	0	0	0	0	0	0	0
85°	20	20	24	26	26	24	24	27	29	30
75°	69	72	88	92	88	75	80	103	104	95
65°	134	141	178	191	174	155	169	226	211	162
55°	227	244	309	363	323	284	312	423	374	249
45°	371	398	490	613	500	494	546	678	555	359
35°	577	612	748	862	636	827	868	885	691	475
25°	890	936	1056	994	732	1059	1039	940	767	584
15°	1224	1221	1154	977	797	992	971	893	788	669
5°	994	982	934	883	831	818	815	786	754	715
0°	834	834	834	834	1714	720	720	720	720	720
5°	742	747	758	788	831	626	635	647	677	715
15°	649	654	666	705	797	523	528	540	582	669
25°	538	551	580	625	732	466	470	474	496	584
35°	422	432	463	525	636	408	409	411	417	475
45°	329	336	353	399	500	351	348	341	335	359
55°	243	245	250	264	323	285	281	263	244	249
65°	169	165	159	155	174	210	203	180	159	162
75°	97	95	87	81	88	121	120	101	90	95
85°	24	26	24	24	26	33	35	30	28	30
90°	0	0	0	0	0	0	0	0	0	0
Vertical Angle	180°	202.5°	225°	247.5°	270°	180°	202.5°	225°	247.5°	270°

**FOCAL GLOW WALL WASH / PERIMETER FILL**

**Low Output:**

**BPRO3-FLSH-LED35-LO-4-WWF/PFL**

1901 Delivered Lumens  
15 Watts  
126 lm/w  
3500 CCT  
Test  
104464711LAX-007



1059

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

Vertical Angle	WALL SIDE					ROOM SIDE				
	0°	25°	45°	65°	90°	0°	25°	45°	65°	90°
90°	0	0	0	0	0	0	0	0	0	0
85°	22	22	27	29	30	24	24	27	29	30
75°	75	80	103	104	95	75	80	103	104	95
65°	155	169	226	211	162	155	169	226	211	162
55°	284	312	423	374	249	284	312	423	374	249
45°	494	546	678	555	359	494	546	678	555	359
35°	827	868	885	691	475	827	868	885	691	475
25°	1059	1039	940	767	584	1059	1039	940	767	584
15°	992	971	893	788	669	992	971	893	788	669
5°	818	815	786	754	715	818	815	786	754	715
0°	720	720	720	720	720	720	720	720	720	720
5°	626	635	647	677	715	626	635	647	677	715
15°	523	528	540	582	669	523	528	540	582	669
25°	466	470	474	496	584	466	470	474	496	584
35°	408	409	411	417	475	408	409	411	417	475
45°	351	348	341	335	359	351	348	341	335	359
55°	285	281	263	244	249	285	281	263	244	249
65°	210	203	180	159	162	210	203	180	159	162
75°	121	120	101	90	95	121	120	101	90	95
85°	33	35	30	28	30	33	35	30	28	30
90°	0	0	0	0	0	0	0	0	0	0
Vertical Angle	180°	202.5°	225°	247.5°	270°	180°	202.5°	225°	247.5°	270°

**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 >25% PC recycled, 100% recyclable.
- Lens** Polymer, 100% recyclable.
- Weight** 3.0 lbs/ft

**MOUNTING**

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

**WARRANTY**

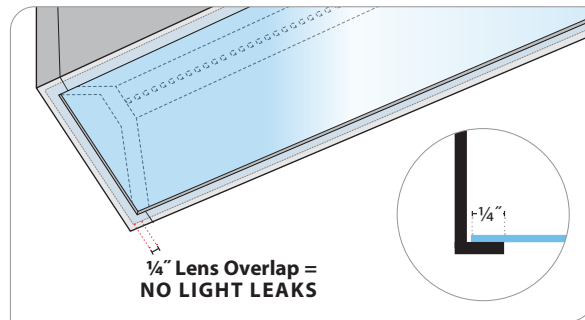
Single-source, 5 year limited warranty covers standard components and construction.



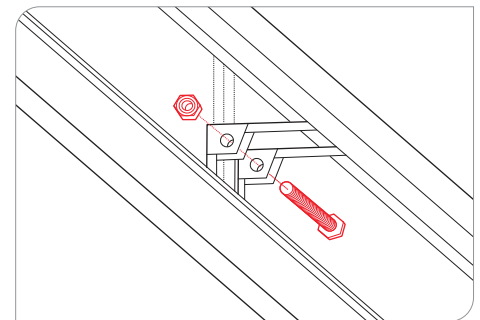
YSW – Seashell White (Matte)	YCH – Champagne (Metallic)
YSL – Silver (Metallic)	YPE – Pewter (Matte)
YRG – Rain Grey (Gloss)	YSTM – Storm Grey (Matte)
YBK – Black (Matte)	YBB – Black (Semi Gloss)
YSKM – Sky (Matte)	YMB – Military Blue (Matte)
YIB – Interstate Blue (Matte)	YSAM – Sapphire (Matte)
YFGM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



**CAST ALUMINUM END CAPS**



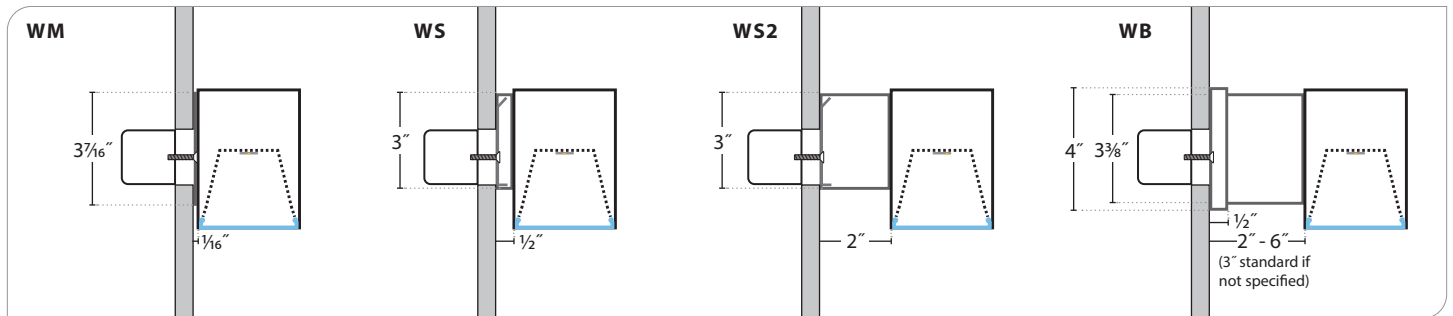
**ADJOINING DETAILS**



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**

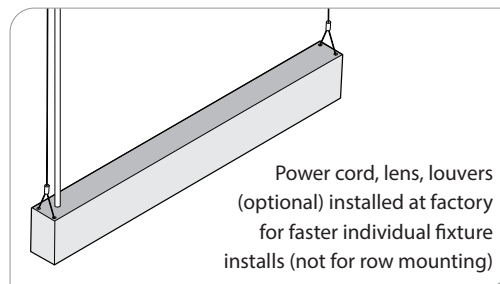


FIXTURE SIZE VARIES

**SENSOR PLATE**



**PIF — PRE-INSTALLED INDIVIDUAL FIXTURE**



**EBCP — ELECTRICAL BOX COVER PLATE**

**OPTIONAL:** 7/8" Dia. K.O. will accommodate 2"x 4" or 4"x 4" J-Box (by others)

**1G: SINGLE GANG**      **2G: DUAL GANG**

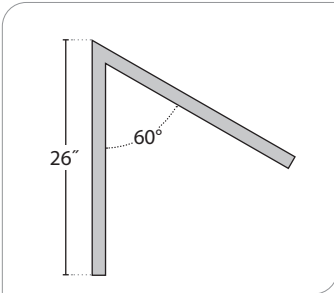


LOUVER DETAIL

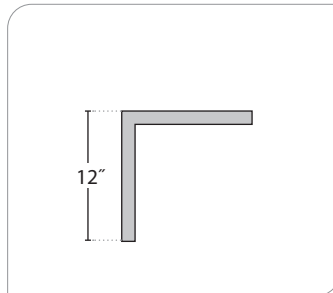


CORNERS

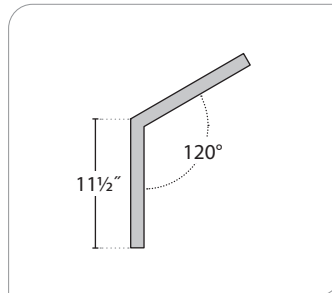
**C2-60:**



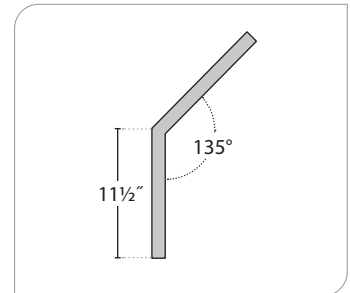
**C2-90:**



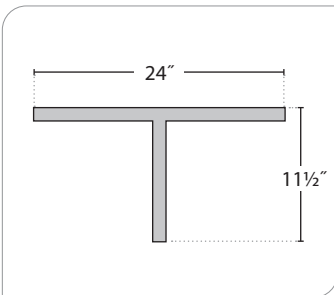
**C2-120:**



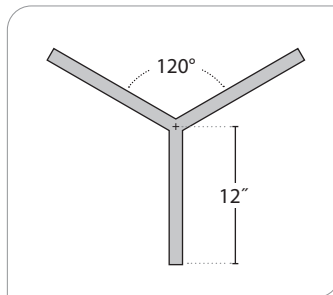
**C2-135:**



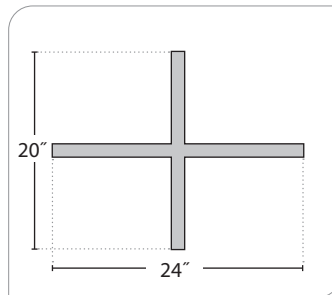
**C3T:**



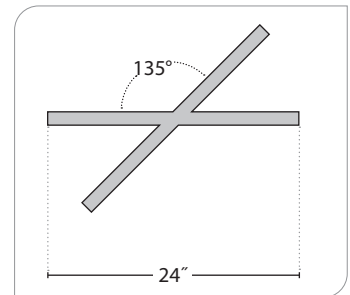
**C3Y:**



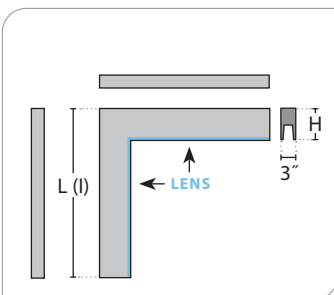
**C4T:**



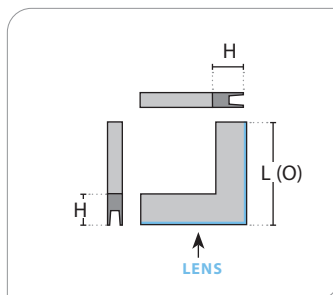
**C4X:**



**C8I:**



**C8O:**

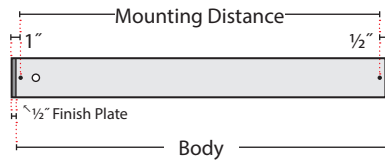


BODY TYPE	DIM "H"	DIM "L" (I)	DIM "L" (O)
Direct Flush	4 3/8"	16 5/8"	12"
Direct Regress	4 7/8"	16 5/8"	12 1/2"
Direct/Indirect Flush	5"	17"	12"
Direct/Indirect Regress	5 1/2"	17"	12 1/2"

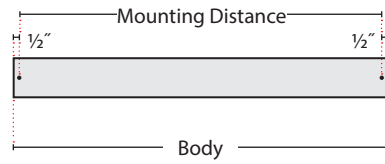


**SURFACE MOUNT**

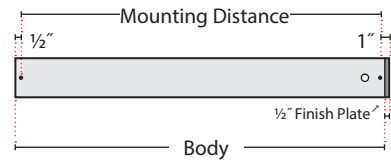
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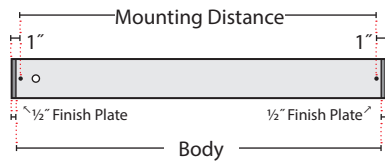
**INTERMEDIATE**



**END**



**INDIVIDUAL**

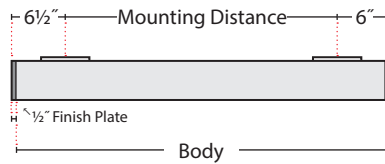


	MOUNTING	BODY*
2'	23"	24"
3'	35"	36"
4'	47"	48"
5'	59"	60"
6'	71"	72"
7'	83"	84"
8'	95"	96"

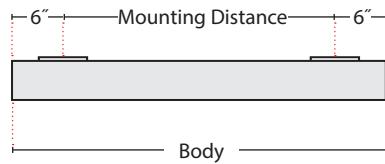
\* For overall dimensions add finish plate(s) where required

**WALL MOUNT**

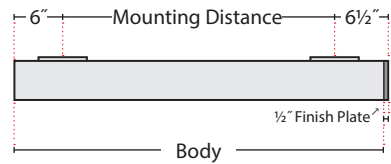
**START**



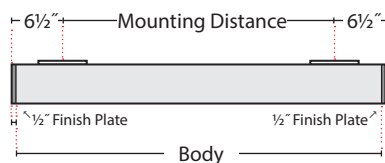
**INTERMEDIATE**



**END**



**INDIVIDUAL**

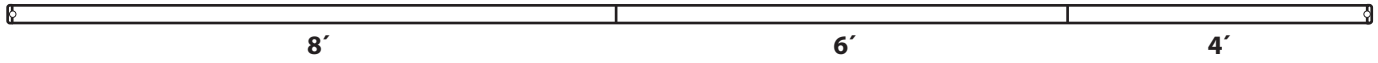


	MOUNTING	BODY*
2'	12"	24"
3'	24"	36"
4'	36"	48"
5'	48"	60"
6'	60"	72"
7'	72"	84"
8'	84"	96"

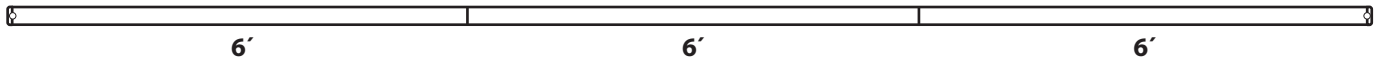
\* For overall dimensions add finish plate(s) where required



**18' STANDARD ROW LENGTH:**



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



ROW LENGTH	STANDARD ROW LENGTH	SYMMETRIC ROW LENGTH (SRL)
9'	5+4	3+3+3
10'	6+4	5+5
11'	7+4	4+3+4
12'	8+4	6+6
13'	8+5	4+5+4
14'	8+6	7+7
15'	8+7	5+5+5
16'	8+8	8+8
17'	8+5+4	6+5+6
18'	8+6+4	6+6+6
19'	8+7+4	6+7+6
20'	8+8+4	8+4+8
21'	8+8+5	8+5+8
22'	8+8+6	8+6+8
23'	8+8+7	8+7+8
24'	8+8+8	8+8+8
25'	8+8+5+4	6+4+5+4+6
26'	8+8+6+4	8+5+5+8
27'	8+8+7+4	6+5+5+5+6
28'	8+8+8+4	8+6+6+8
29'	8+8+8+5	8+4+5+4+8

ROW LENGTH	STANDARD ROW LENGTH	SYMMETRIC ROW LENGTH (SRL)
30'	8+8+8+6	8+7+7+8
31'	8+8+8+7	8+5+5+5+8
32'	8+8+8+8	8+8+8
33'	8+8+8+5+4	8+6+5+6+8
34'	8+8+8+6+4	8+6+6+6+8
35'	8+8+8+7+4	8+6+7+6+8
36'	8+8+8+8+4	8+8+4+8+8
37'	8+8+8+8+5	8+8+5+8+8
38'	8+8+8+8+6	8+8+6+8+8
39'	8+8+8+8+7	8+8+7+8+8
40'	8+8+8+8+8	8+8+8+8+8
41'	8+8+8+8+5+4	8+6+4+5+4+6+8
42'	8+8+8+8+6+4	8+8+5+5+8+8
43'	8+8+8+8+7+4	8+6+5+5+5+6+8
44'	8+8+8+8+8+4	8+8+6+6+8+8
45'	8+8+8+8+8+5	8+8+4+5+4+8+8
46'	8+8+8+8+8+6	8+8+7+7+8+8
47'	8+8+8+8+8+7	8+8+5+5+5+8+8
48'	8+8+8+8+8+8	8+8+8+8+8+8
49'	8+8+8+8+8+5+4	8+8+6+5+6+8+8
50'	8+8+8+8+8+6+4	8+8+6+6+6+8+8

**NOTE:** SRL will effect pricing – please consult factory.



## BionicPro3 Batwing Vs. Top 3" Competitor (Satin Lens)

### SINGLE OFFICE

BionicPro3

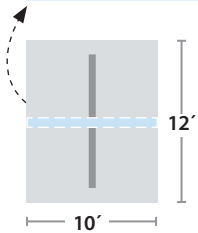


Top Competitor



36 43 46 44 39 | 39 44 47 43 37

22 28 36 44 52 | 52 44 36 28 22



	BionicPro3	Competitor
LPW	121	111
<b>SPACING CRITERIA</b>	<b>1.8</b>	<b>1.3</b>
MAX/MIN	1.8	2.6
W/SQ. FT.	.38	.43
FC AVERAGE	26	30

9' ceiling .85 l/f BionicPro3—5.7w/ft Competitor—6.5w/ft Footcandles at 30" working plane

### OPEN OFFICE

BionicPro3

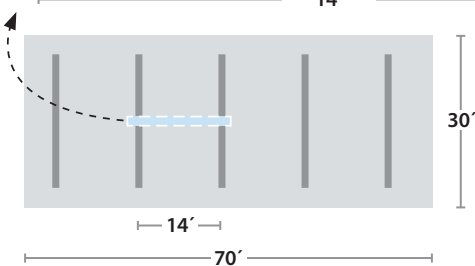


Top Competitor



39 43 47 47 44 39 36 35 36 40 44 47 47 43 39

74 68 58 47 38 32 28 27 28 32 38 47 58 68 74



	BionicPro3	Competitor
LPW	121	111
<b>SPACING CRITERIA</b>	<b>1.85</b>	<b>1.3</b>
MAX/MIN	2.2	4.4
MAX/MIN BETWEEN ROWS	1.3	2.8
W/SQ. FT.	.37	.41
FC AVERAGE	35	37

9' ceiling .85 l/f BionicPro3—5.7w/ft Competitor—6.5w/ft Footcandles at 30" working plane



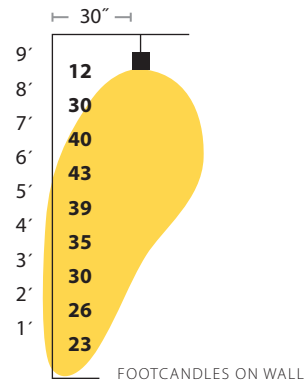


## Smooth, flat wall washing (WWF)

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

Watts/ Ft. Ceiling Height Average Illuminance Max/Min Max/Min Ratio

<b>Medium Output</b>   700 lumens/ft	6	9'	<b>31 fc</b>	43/12	3.6
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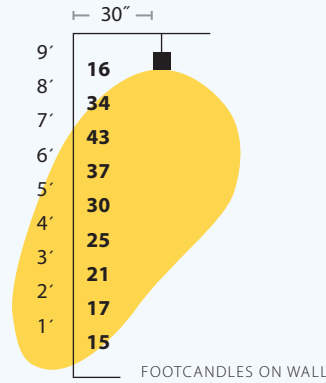


## Focal glow wall washing (WWG)

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

Watts/ Ft. Ceiling Height Average Illuminance Max/Min Max/Min Ratio

<b>Medium Output</b>   700 lumens/ft	6	9'	<b>26 fc</b>	43/15	2.9
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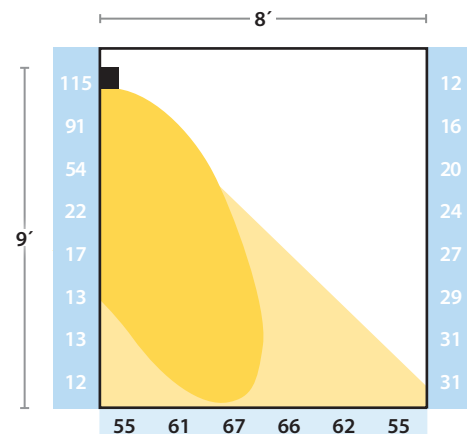


## Perimeter Fill (PFL)

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.

Watts/ Ft. Ceiling Height Average Illuminance Max/Min Max/Min Ratio

<b>High Output</b>   1225 lumens/ft	1.75	10'	<b>50 fc</b>	67/55	1.2
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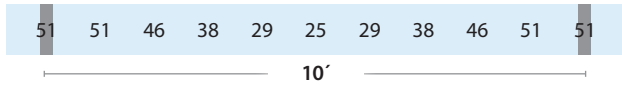
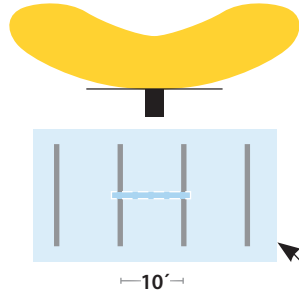




## Hard ceiling wash (HCW)

**OPEN OFFICE/CLASSROOM**

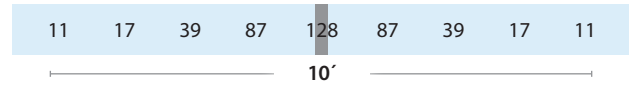
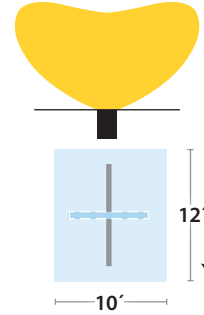
Hung 18" below ceiling



## Soft ceiling wash (SCW)

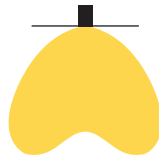
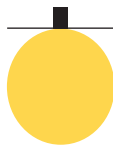
**SINGLE OFFICE OR OTHER SMALL CEILING**

Hung 18" below ceiling



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

**DOWNLIGHT:**



Wall Mount only until '21 Perimeter

	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

**UPLIGHT:**



WWG = PFL  
Lens aimed away from wall

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