

metamorphosis





BIONICPRO KEEPS ADVANCING

- **NEW** 2" - 3" - 4" - 5" Perimeter.
- Seamless lens, with embedded optics, for long rows with no light leaks.
- Outstanding wall grazing and Perimeter fill optics at up to 135 LPW & 1300 Lumens per foot.
- Flush, 0.5", 1" & 3" regressed Lenses with available louvers.
- Wall-to-wall problem-solving telescoping filler.
- Entire BionicPro Series is now Declare labeled, DLC listed.



Declare.



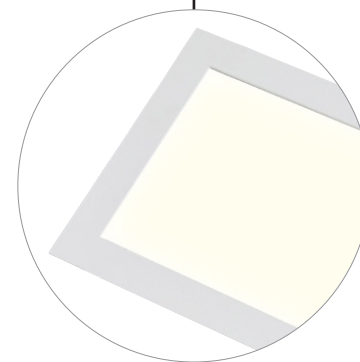
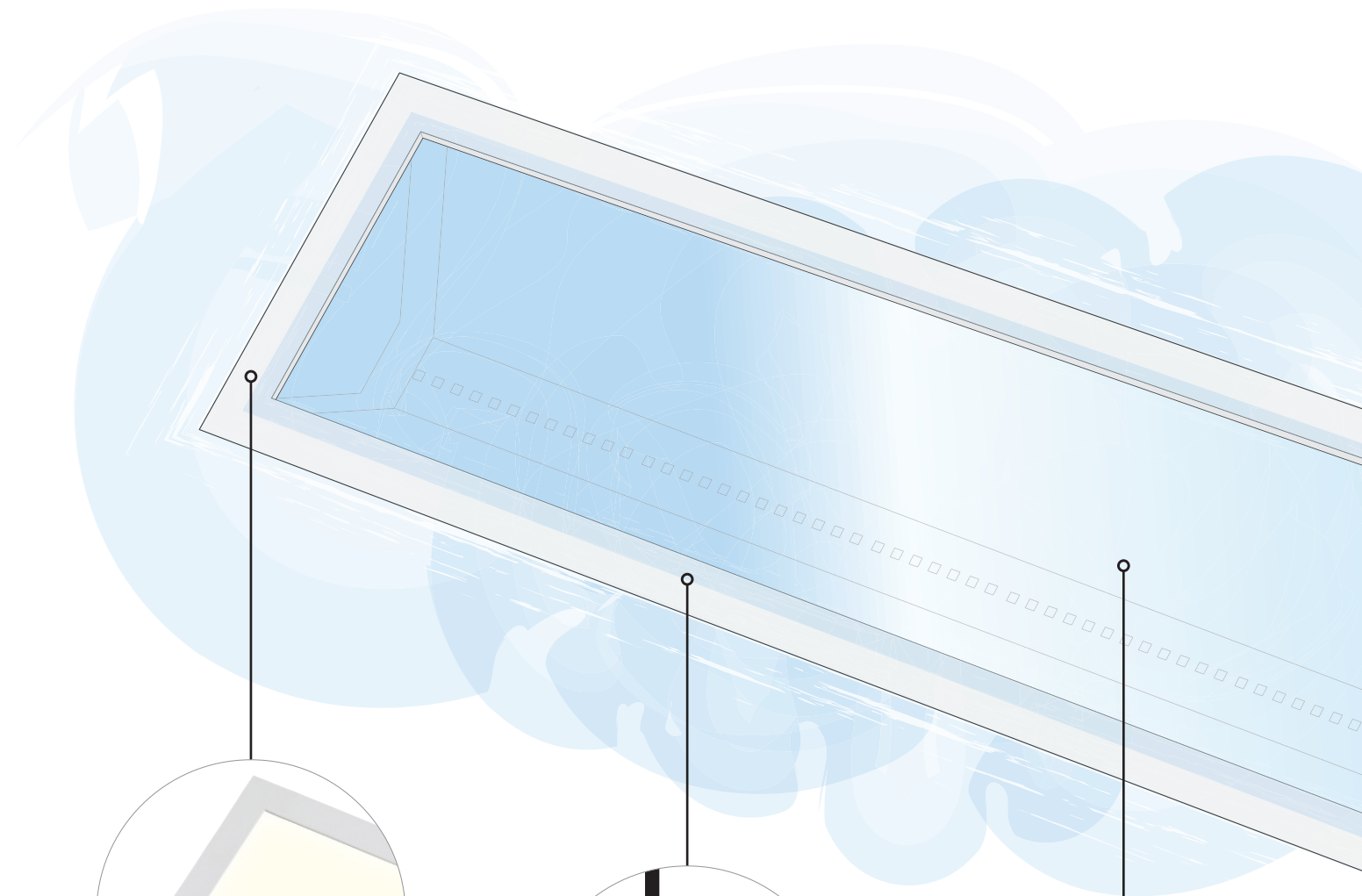
BionicPro Series

The most current LED platforms and latest in material science all combine to offer more including the 'ideal' Batwing, Flat and Focal Glow Wall Washes, Wall Graze, Perimeter Fill distributions — with industry best light output, lumens per watt, and a continuous seamless lens, with **NO LIGHT LEAK**, anywhere.



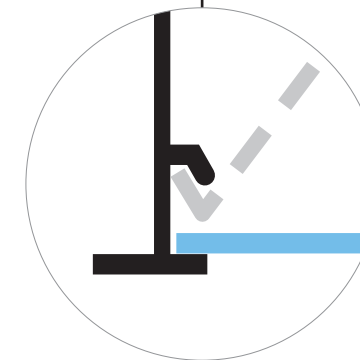


Long rows of clean, seamless light.



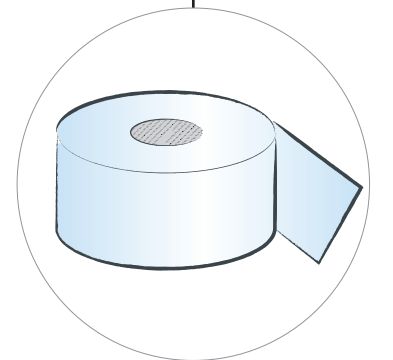
FINISHED ENDS

- Complete the trim for a clean, finished look at each end.
- Painted after assembly for a seamless transition.



NO LIGHT LEAKS

$\frac{1}{8}$ " overlap on each side and at the end caps, resolving the lens fit dilemma with a continuous, seamless lens



SEAMLESS LENS

Unbroken lines of light up to 200' eliminates lens seams and light leaks.



TruBeam™

HOW DOES TRUBEAM™ WORK?


We began with a massive scale-down of the prismatic structure, down to the nano-level, leveraging emerging technology to create optics far better suited to the increasingly diminutive size of LEDs. Then we increased the number of light-controlling prisms by a factor of 50, allowing for precise mapping of the light distribution — controlling all beam patterns using the lens exclusively.

The result? A patent-pending design which establishes continuity of distributions across all four aperture sizes, simplifying the specification process and freeing designers to mix sizes on the same job. Optic changes in the field are easy with just a lens swap.


TRUBEAM™ OPTICS IN BIONICPRO

- A true batwing that looks and feels like a standard satin acrylic lens.
- Two wall washes, flat and focal glow to achieve design intent.
- A refractive lens that does all the work. Now all fixtures can accommodate any distribution with the swap of a lens.
- Wall graze with 15-20° beam width, industry best LPW, lumen output.
- Exponentially better control for idealized distributions.
- Repeatable distributions regardless of aperture size.
- Perimeter fill optic we introduced to light space from one side of the perimeter.


EIGHT OPTICS - JUST A LENS CHANGE




LAMBERTIAN




BATWING




FLAT
WALL WASH




FOCAL GLOW
WALL WASH




MEDIUM
WALL GRAZER




PERIMETER
FILL




SYMMETRIC



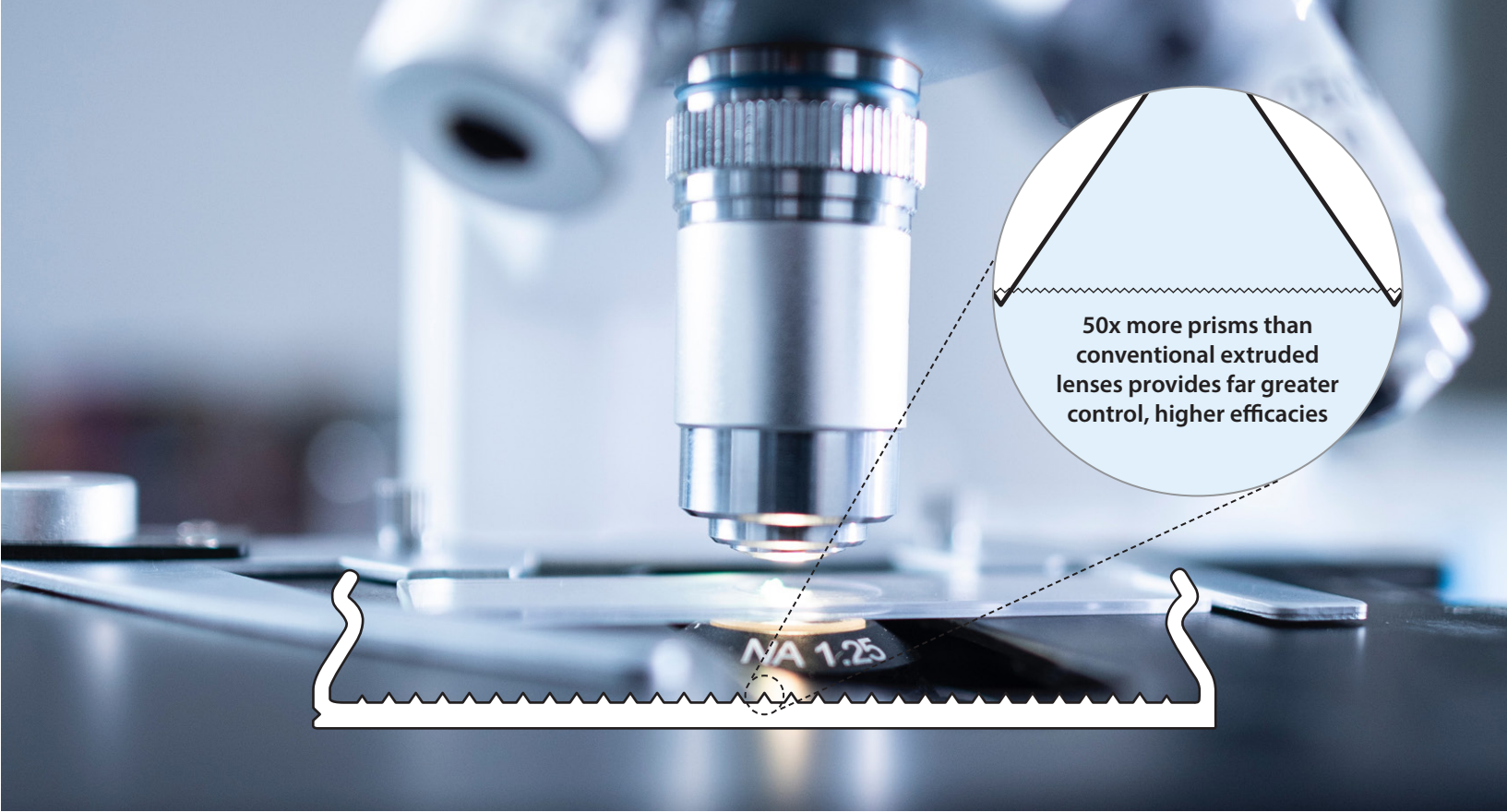
HARD CEILING WASH

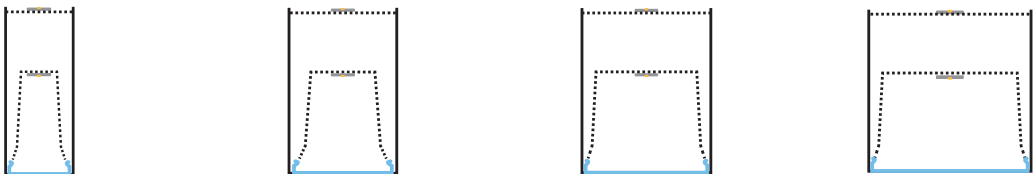


SOFT CEILING WASH



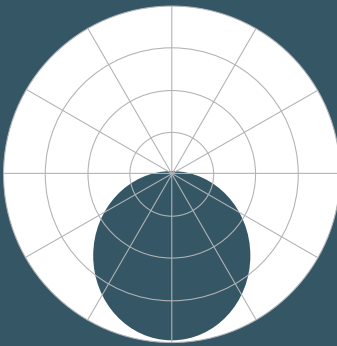
ASYMMETRIC
CEILING WASH






BIONICPRO	2	3	4	5
APERTURE	1.5"	2.5"	3.5"	4.5"
LM/W	107	121	122	131
LM/FT	1060	1200	1250	1300

A BETTER LAMBERTIAN




BIONIC PRO

Wide throw contributes to meeting Well Building circadian standard for vertical illumination with smoother, more even distribution of light



LEADING COMPETITOR



Narrow distribution = poor max/min and vertical illumination

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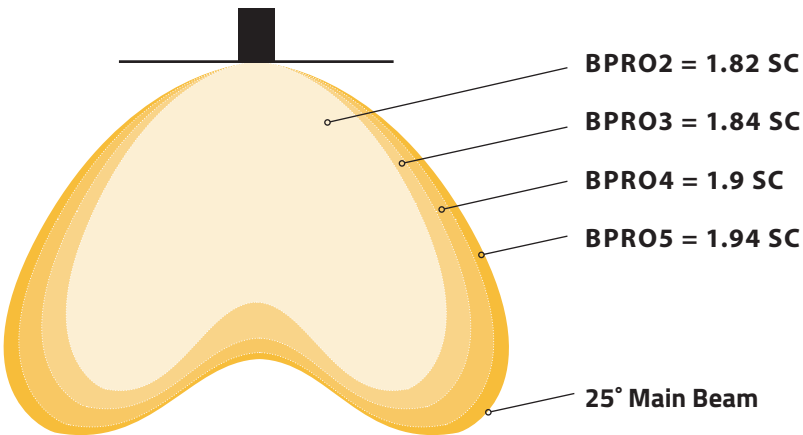
Batwing

OUR BIONICPRO2 BATWING EASILY OUTPERFORMS ANY SATIN LENS LINEAR SLOT.

Powered by our TruBeam™ optics, BionicPro batwing outperforms the typical lambertian satin acrylic by a long shot. While it resembles a soft acrylic lens in appearance, it has the capacity to throw light much further, allowing for fewer fixtures with wider spacing between them, saving upfront installation costs and reducing the amount of energy consumed over the long haul.

BATWING OFFERS:

- 30% less fixtures (14' vs. 10' rows).
- Lower installation and fixture cost.
- Lower watts per sq. ft.
- Less clutter on ceiling.
- UGR 15-17, contributes a point to the WELL BUILDING standard .



OPEN OFFICE — 14' ROW SPACING:

BionicPro2



14'

Batwing

Even illumination across working plane



14'

5" Satin Lens



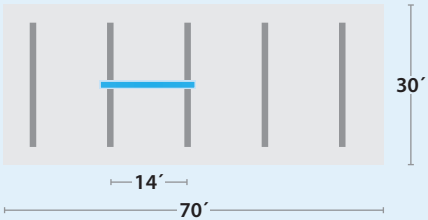
14'

Lambertian

Poor distribution and max/mins



14'



	BionicPro2 (BATWING)	5" Satin Lens (TOP COMPETITOR)
LPW	108	113
SPACING CRITERIA	1.8	1.2
MAX/MIN	2.3	3.9
MAX/MIN (BETWEEN ROWS)	1.3	2.5
W/SQ. FT.	.36	.38
FC AVERAGE	33	37

9' ceiling .85 llf Footcandles at 30" working plane BionicPro2—8w/ft Competitor—6w/ft





Flat Wall Wash

SILKY SMOOTH, EVEN WASH

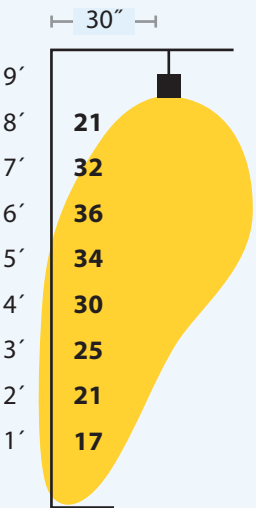
The Flat Wall Wash covers vertical surfaces in soft, even floor-to-ceiling light to create a monolithic accent wall. The optic’s peak intensity is aimed at the intersection of the wall and floor, keeping spill light off the floor, and following the vertical line of the wall up as high as possible.

Fixture placement is critical. Too close to the surface being lit, and the evenness is compromised. Too far, and the floor fights for attention. We aim our max intensity at 15 degrees, so for a 9-foot wall the fixture is placed 30 inches away. These charts show the roll setback distance plays in creating the right effect.

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
Medium Output	750 lumens/ft	6	9’ 31 fc	39/15	2.6





Focal Glow Wall Wash

CREATE VISUAL DRAMA

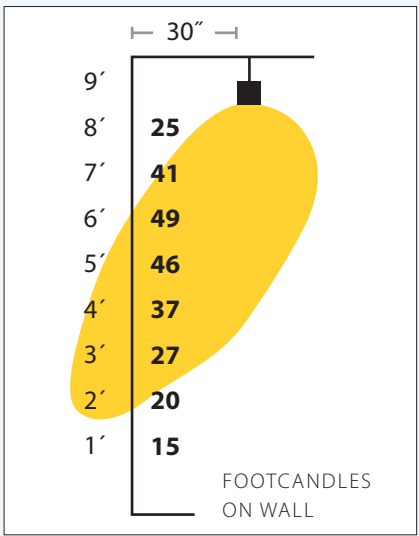
Designed to highlight artwork or a logo, so we raise the angle for maximum impact. Instead of following the vertical line of the wall, the intensity is cut back fluidly – creating a sweeping curve with no jaggedness or striations on the wall.

Here too, placement is critical for the desired effect. Too close to the surface and the highlighted area intensifies, moving too high up the wall, place it too far away and the dynamic quality gets muted. For the WWG, our maximum intensity is aimed from 22- 30 degrees (depending on aperture). To create the ideal area of highlight for your project, use these charts or run footcandle studies.

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
Medium Output 750 lumens/ft	6	9'	36 fc	50/15	3.3



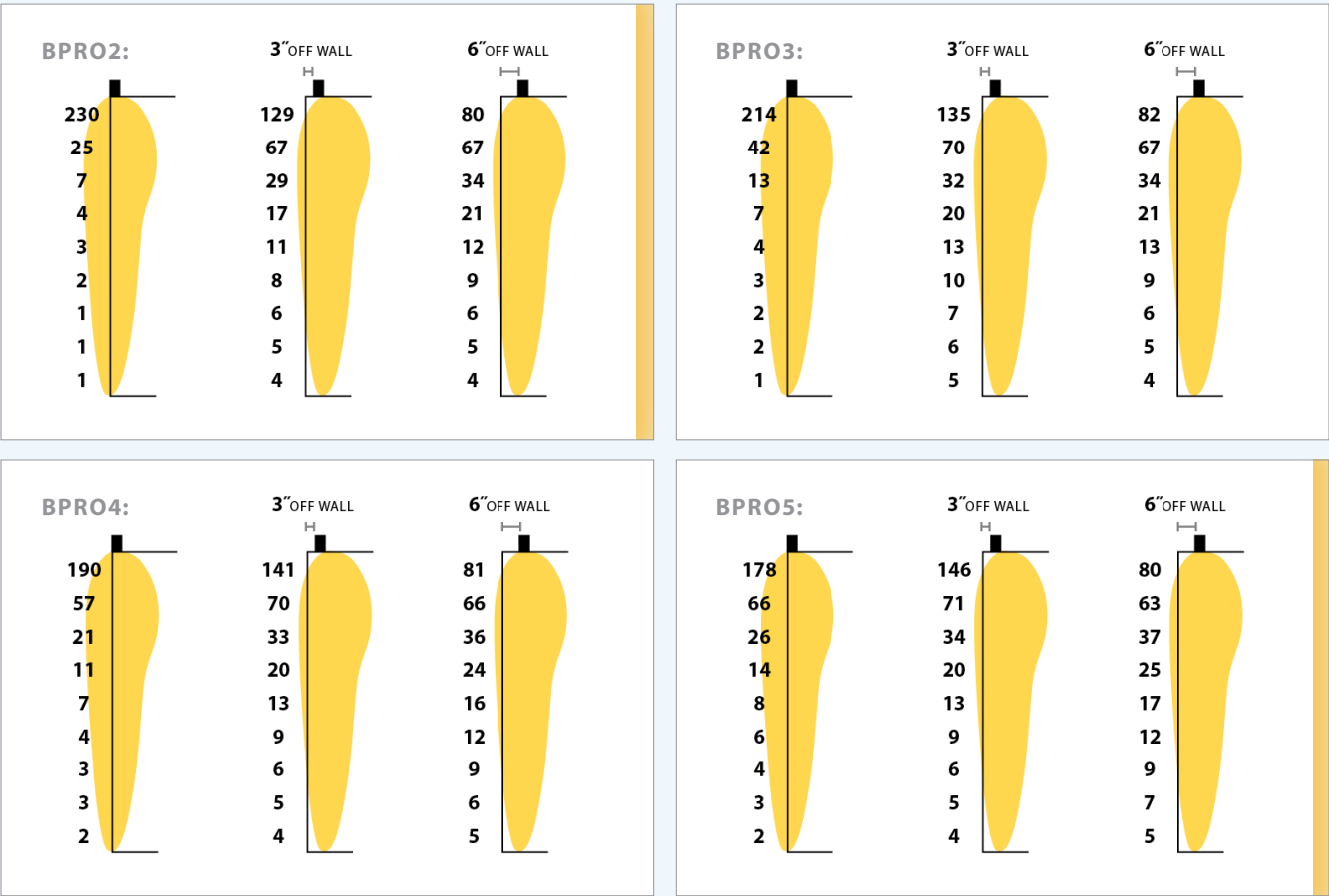


Wall Grazing

A MYRIAD OF WAYS TO GRAZE

Our BionicPro Medium Wall Grazer (MGZ) has a 15° to 20° beam width (aperture and regress dependent). Install at the perimeter, recessed a few inches off the wall for improved performance (especially in narrow apertures) or as a linear luminaire. Multiple regress and louver options at all four apertures for

- Industry-best performance at up to 135 LPW and 1300 lumens per foot
- Seamless lens for no light leaks
- Flush, .5", 1", 3" regressed lenses, louvers at flush, .5" and 2.5" regress
- Perimeter fixtures flush to wall or .125" Shadow Reveal (XSR)





Perimeter Fill

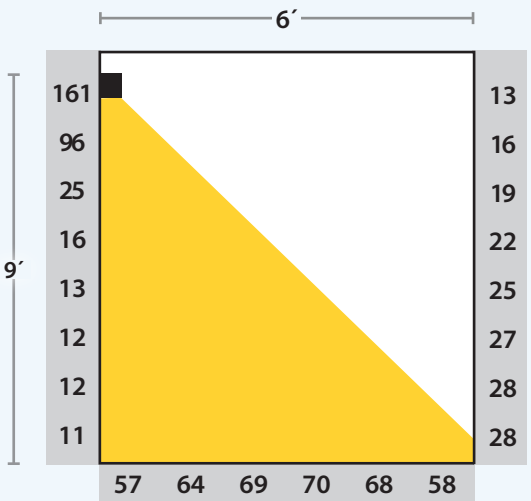
FILL A CORRIDOR WITH LIGHT — FROM THE PERIMETER ALONE

A breakthrough industry first, Prudential Lighting’s PERIMETER FILL optic washes space in light from one side only (ideal for hospital corridors), with huge cost savings, outstanding distribution, and far more energy efficiency than typical perimeter lighting solutions.

Froederdt hospital in Wisconsin utilized our Perimeter Fill to illuminate several floors of corridors, cutting fixture and installation costs by half and reducing energy needs by more than 60% compared to using typical cove lighting on both sides of corridors. Their stringent 50 foot-candle average at the working plane was easily met.

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
High Output	1275 lumens/ft	1	10'	64 fc	70/57	1.2



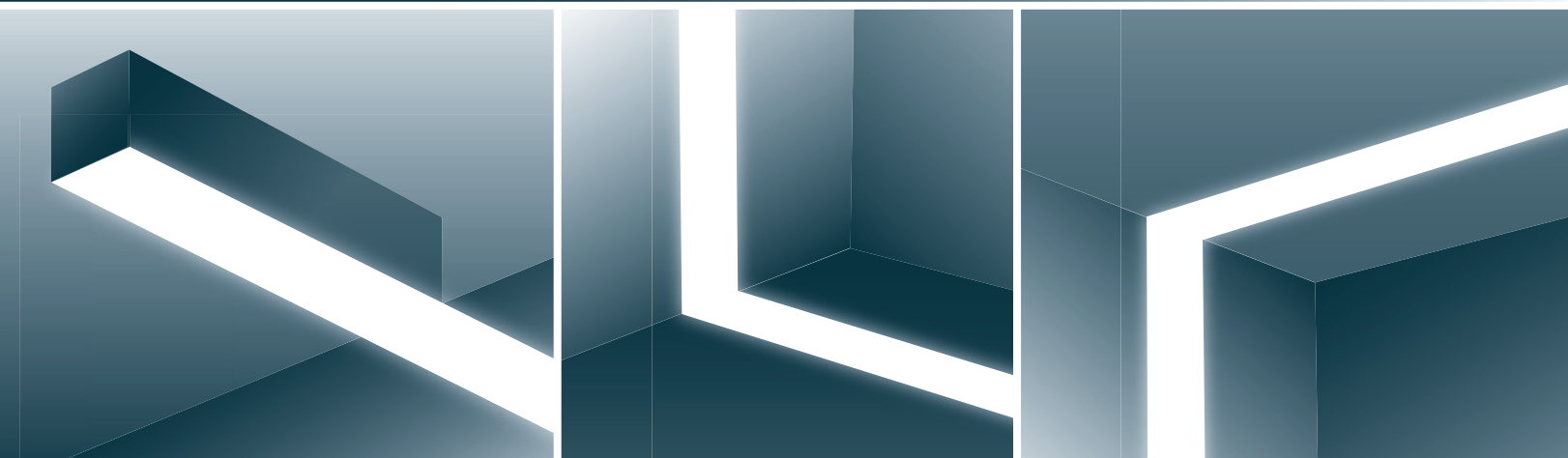
Flush-½"-1"-3" Regress



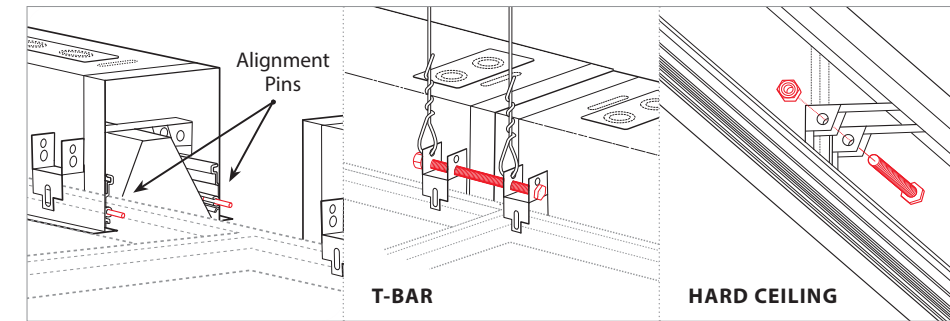
WTW Problem Solver

- Simplifies wall-to-wall installs
- Looks like a custom length fixture
- 2' to 8' filler fixtures with 14" field adjustable telescoping
- Easy one-cut installs

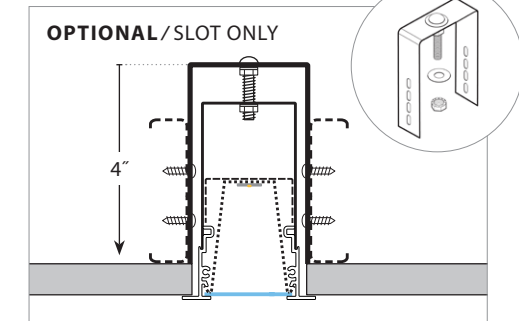
Connectors



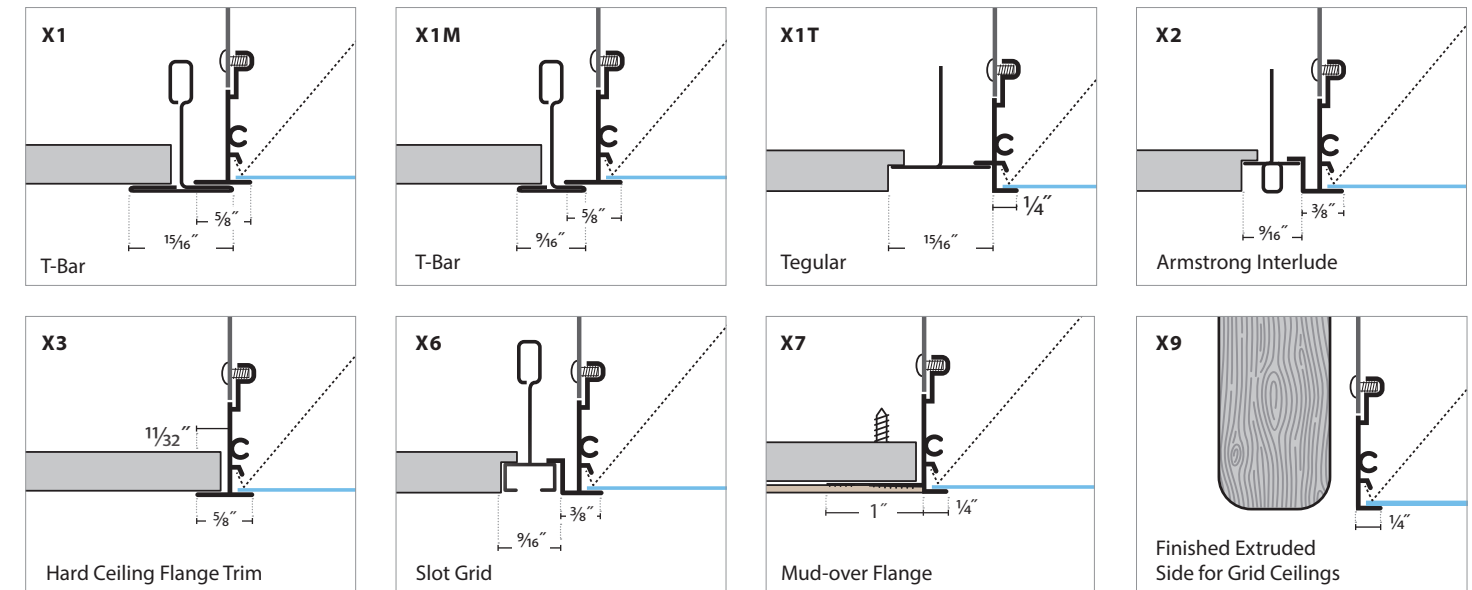
ADJOINING DETAILS



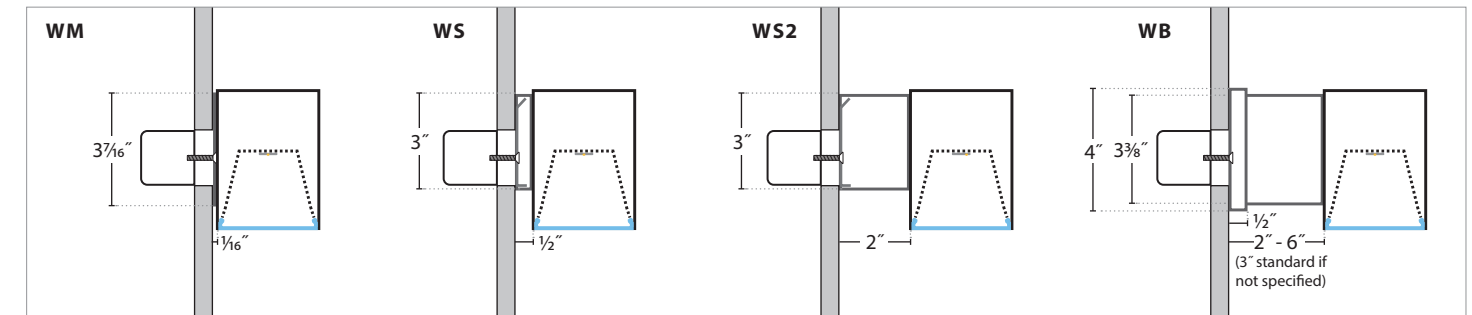
OVERHEAD MOUNTING BRACKETS



CEILING SYSTEMS



WALL CROSS SECTIONS

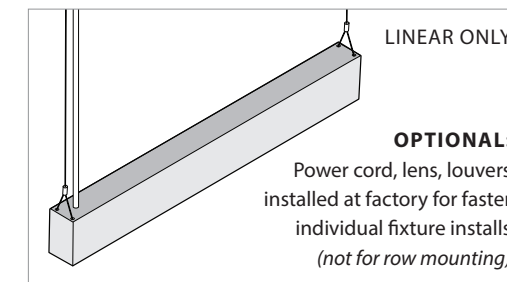


FIXTURE SIZE VARIES / LINEAR ONLY

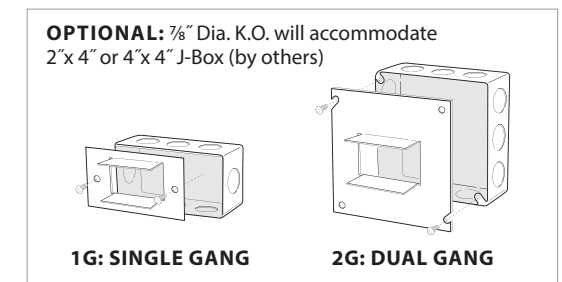
SENSOR PLATE



PIF — PRE-INSTALLED INDIVIDUAL FIXTURE



EBCP — ELECTRICAL BOX COVER PLATE



SLOT												
SERIES	LENS POSITION	LED COLOR	OUT-PUT	NOMINAL LENGTH	COLOR	DISTRI-BUTION	MOUNT-ING	CIRCU-ITING	VOLT-AGE	CEILING SYSTEMS	DRIVERS	OPTIONS, SENSORS & CORNERS
BPro2-REC 2" Bionic Pro4 Slot	FLSH Flush Lens	LED27 2700K (90CRI)	LO Low	2'	TRIM:	SAL Satin Lens	LP Light Pocket	SC Single Circuit	UNV (120-277)	X1 T-Bar 1½"	ND Non-Dim-ming	EMHE ⁺ Emergency Battery (1250 Delivered lumens, CA Title 20 compliant)
	LVR Lou-ver Flush	LED3 3000	MO Medi-um	3'	TMW Textured Matte White (Standard)	BTW** Batwing			120	X1M T-Bar ¾"	DM01 0-10v, 1% Dimming (Standard)	ETS-DR ⁺ Iota ETS-DR Emergency Transfer Switch
BPro3-REC 3" Bionic Pro4 Slot	REG.5 ½" Regress	LED35 3500K	SO Stan-dard	4'	YGW Gloss White	WWF** Flat Wall Wash	WTW Wall to Wall		277	X1T 1½" T-Bar Tegular	LDE1 Lutron Hi-lume 1% EcoSystem LED (Soft fade on, fade-to-black dimming, non-IC Rated at SO)	† 2" + 3": Non-IC rated, NA with UNV voltage, Adds 1½" height
	LVR1 Louver ½" Regress	LED4 4000K	HO High	5'	Y__ Premium Color	WWG** Focal Glow Wall Wash			347 (Emer-gency battery requires a Step Down trans-former and remote box)	X2 Di-mensional T-Bar Arm-strong Inter-lude®	ECO 1% 0-10v, El-doLED (Logarithmic dimming std)	IDSM Insulation Detector Side Mount (for plenums <6" where fixtures are non-IC rated)
BPro4-REC 4" Bionic Pro4 Slot	REG1 1" Regress	LED3-90 3000K (90CRI)	PROG Pro-gram-mable Light	6'	CC Cus-tom Color	MGZ Medium Wall Graze				X3 Hard Ceiling (Flange Trim)	ECDA 1% DALI, EldoLED (Logarithmic dimming std)	CP Chicago Plenum
	LVR3* Louver 2½" Regress	LED35-90 3500K (90CRI)	OUT-put (Specify desired lm/ft or w/ft)	7'	LOU-VER: YBK Black Matte (Standard)	PFL** Perimeter Room Fill				X6 Slot Grid	SOLO 0.1% 0-10v, El-doLED (Dim-to-dark, Logarithmic dimming std)	OMB Overhead Mounting Bracket (X3, X7 and X9 optional installation — 2x per fixture)
BPro5-REC 5" Bionic Pro5 Slot	REG3* 3" Regress	LED4-90 4000K (90CRI)		8'	Y__ Premium Color	** NA Reg3 / Lvr3				X7 Mud-Over Flange	SODA 0.1% DALI, EldoLED (Dim-to-dark, Logarithmic dimming std)	
	* NA BTW/ WWF/ WWG/PFL	LED5-90 5000K (90CRI)			TMW Textured Matte White					X9 Finished Extruded Side (Grid Ceiling)	ECDA 1% DALI, EldoLED (Dim-to-dark, Logarithmic dimming std)	
	NOTE: Louvers currently NA with corners, consult factory				YGW Gloss White					X11 Finished Extruded Side (Ceilings needing nominal lengths)	STEP Signify Advance Step Dimming	
					Y__ Premium Color						NOTE: May require Insulation Detector (ID)	
					CC Custom Color							

LINEAR												
SERIES	LENS POSITION	LED COLOR	OUT-PUT	NOMINAL LENGTH	COLOR	DISTRIBUTION	UP-LIGHT	CIRCU-ITING	MOUNT-ING	CEILING SYSTEMS	DRIVERS	OPTIONS, SENSORS & CORNERS
BPro2-LIN 2" Bionic Pro4 Linear	FLSH Flush Lens	LED27 2700K (90CRI)	LO Low	2'	TRIM:	DOWN:	TG Top Glow	SC Single Circuit	CA48", 96" or 144"	X1 T-Bar	ND Non-Dim-ming	EMHE CA T20 Emergency Battery (1250 Delivered lumens; CA Title 20 compliant)
	LVR ½" Regress	LED3 3000	MO Medi-um	3'	TMW Textured Matte White (Standard)	NW No Down-light	NU No Up-light	ADC Acrylic Dust Cover (Clear)	Aircraft Cable (Adjustable)	X3 Hard Ceiling	DM01 0-10v, 1% Dimming (Standard)	ETS-DR Iota ETS-DR Emergency Transfer Switch
BPro3-LIN 3" Bionic Pro4 Linear	REG.5 ½" Regress	LED35 3500K	SO Stan-dard	4'	YGW Gloss White	SAL Sat-in Lens	HCW Hard Ceil-ing Wash (NA in)	DC Dual Circuit (Needed if dim-ming Down separately from Up)	SUR Surface Mount (Direct only)	X6 Slot Grid	LDE1 Hi-lume 1% EcoSystem LED (Soft fade on, fade-to-black dimming)	EMC Emergency Circuiting EBCP1G /2G Single / Dual Gang (Electrical Box Cover Plate/Mud Ring)
	LVR1 Louver ½" Regress	LED4 4000K	HO High	5'	Y__ Premium Color	BTW Batwing	WWF Flat Wall Wash (NA in)	TGADC Top Glow with Acrylic Dust Cover	WM Direct to Wall		ECO 1% 0-10v, EldoLED (Logarithmic dimming std)	PIF Pre-installed Individual Fixture (Saves time on individual fixture installs)
BPro4-LIN 4" Bionic Pro4 Linear	REG.5 ½" Regress	LED3-90 3000K (90CRI)	PROG Pro-gram-mable Light	6'	CC Cus-tom Color	WWG Focal Glow Wall Wash	SYM Sym-metric (Frosted ADC standard)	UP OPTIONS AVAILABLE WITH ANY UP DISTRIBUTION	WS ½" Wall Spacer		ECDA 1% DALI, EldoLED (Logarithmic dimming std)	
	NOTE: Louvers currently NA with corners, consult factory	LED35-90 3500K (90CRI)	OUT-put (Specify desired lm/ft or w/ft)	7'	LOUVER: YBK Black Matte (Standard)	PFL Per-im-eter Room Fill	SCW Soft Ceil-ing Wash		WS2 2" Wall Spacer		SOLO 0.1% 0-10v, EldoLED (Dim-to-dark, Logarithmic dimming std)	
BPro5-LIN 5" Bionic Pro5 Linear		LED4-90 4000K (90CRI)	SPEC-IFY DOWN THEN UP IF DIF-FER-ENT OUT-PUT DE-SIRED	8'	TMW Textured Matte White	MGZ Medium Wall Graze	SACW Soft Asym-metric Ceil-ing Wash		WBx.x Wall Bracket (2" - 6" in .5" increments, 3" standard if not spec-ified)		SODA 0.1% DALI, EldoLED (Dim-to-dark, Logarithmic dimming std)	
		LED5-90 5000K (90CRI)			YGW Gloss White						STEP Signify Advance Step Dimming	
					Y__ Pre-mium Color							
					CC Cus-tom Color							

PERIMETER												
SERIES	LENS POSITION	LED COLOR	OUT-PUT	NOMINAL LENGTH	COLOR	DISTRIBU-TION	MOUNT-ING	CIRCU-ITING	VOLT-AGE	CEILING SYSTEMS	DRIVERS	OPTIONS, SENSORS & CORNERS
BPro2-PER 2" Bionic Pro4 Pe-rimeter	FLSH Flush Lens	LED27 2700K (90CRI)	LO Low	2'	TRIM:	SAL Satin Lens	LP [†] Light Pocket	SC Single Circuit	UNV (120-277)	X1 1½" T-Bar	ND Non-Dim-ming	EMHE ⁺ CA T20 Emergency Battery (900 Delivered lumens, CA Title 20 compliant, Fixtures 4" or longer)
	LVR Lou-ver Flush	LED3 3000	MO Medi-um	3'	TMW Textured Matte White (Standard)	MGZ Medium Wall Graze			120	X1M ¾" T-Bar	DM01 0-10v, 1% Dimming (Standard)	ETS-DR ⁺ Iota ETS-DR Emergency Transfer Switch
BPro3-PER 3" Bionic Pro4 Pe-rimeter	REG.5 ½" Regress	LED35 3500K	SO Stan-dard	4'	YGW Gloss White	PFL Perimeter Room Fill (NA Reg3 / Lvr3)	WTW [†] Wall to Wall		277	X1T 1½" T-Bar Tegular	LDE1 Lutron Hi-lume 1% EcoSystem LED (Soft fade on, fade-to-black dimming, non-IC Rated at SO)	† 2" + 3": Non-IC rated, NA with UNV voltage, Adds 1½" height, see page 5
	LVR1 Louver ½" Regress	LED4 4000K	HO High	5'	Y__ Premium Color				347 (Emer-gency battery requires a Step Down trans-former and remote box)	X2 Di-mension-al T-Bar Arm-strong Inter-lude®	ECO 1% 0-10v, El-doLED (Logarithmic dimming std)	XSR ½" Shadow Reveal
BPro4-PER 4" Bionic Pro4 Pe-rimeter	REG1 1" Regress	LED3-90 3000K (90CRI)	PROG Pro-gram-mable Light	6'	CC Custom Color					X3 Hard Ceiling (Flange Trim)	ECDA 1% DALI, EldoLED (Logarithmic dimming std)	FTR End of row feathering to soften wall grazing or PFL effect on perpendicular wall (WTW)
	LVR3* Louver 2½" Regress	LED35-90 3500K (90CRI)	OUT-put (Specify desired lm/ft or w/ft)	7'	LOU-VER: YBK Black Matte (Standard)					X6 Slot Grid	SOLO 0.1% 0-10v, El-doLED (Dim-to-dark, Logarithmic dimming std)	CP Chicago Plenum
BPro5-PER 5" Bionic Pro5 Pe-rimeter	REG3* 3" Regress	LED4-90 4000K (90CRI)		8'	Y__ Pre-mium Color					X7 Mud-Over Flange	SODA 0.1% DALI, EldoLED (Dim-to-dark, Logarithmic dimming std)	IDSM Insulation Detector Side Mount (for plenums <6" where fixtures are non-IC rated)
	* NA PFL	LED5-90 5000K (90CRI)			TMW Textured Matte White					X9 Finished Extruded Side (Grid Ceiling)	ECDA 1% DALI, EldoLED (Dim-to-dark, Logarithmic dimming std)	
	NOTE: Louvers currently NA with corners, consult factory				YGW Gloss White					X11 Finished Extruded Side (Ceilings needing nominal lengths)	STEP Signify Advance Step Dimming	
					Y__ Pre-mium Color						NOTE: May require Insulation Detector (ID)	
					CC Custom Color							

Premium Colors

NO SET-UP FEES — QUICK LEAD TIMES



YSW – Seashell White (Matte)



YCH – Champagne (Metallic)



YSL – Silver (Metallic)



YPE – Pewter (Matte)



YRG – Rain Grey (Gloss)



YSTM – Storm Grey (Matte)



YBK – Interior Black (Matte)



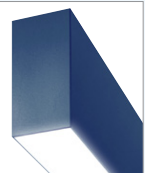
YBB – Black (Semi-Gloss)



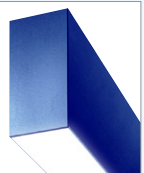
YSKM – Sky (Matte)



YMB – Military Blue (Matte)



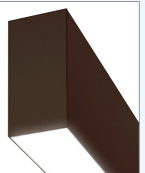
YIB – Interstate Blue (Matte)



YSAM – Sapphire (Matte)



YIG – Ivy Green (Matte)



YBR – Bronze (Matte)



YBY – Boysenberry (Matte)



YSRM – Sunset Red (Matte)



YOR – Orange (Matte)



YDAM – Daffodil (Matte)

Please note that as of May 1st, 2017 the following colors have been changed to matte finishes; YSTM, YSKM, YFGM, YSRM, YDAM.

To match a previous order with a glossy finish please remove the 'M', e.g. 'YST' instead of 'YSTM'.





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