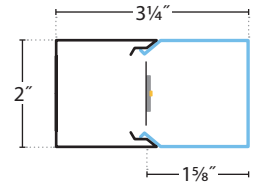


# BoltPro Side Mount | Linear



PRUDENTIAL LTG.

PRULITE.COM 213.746.0360



## Design it your way.

Bolt is now available in a horizontal configuration for oversized rectangles over conference tables (with light aimed In or Out like ZenithPro) or zig-zags down corridors, or whatever you can dream up (within reason). Enjoy creating with BoltPro.

**TUNABLE WHITE**

Tu Hue  
Amber Hue  
Blu Hue  
Chroma Hue

**High Output:**  
BOLTPRO-LED4-HO-04-SAL-DM01

6853 Delivered Lumens  
49 Watts  
140 lm/w  
4000 CCT

UP TO **131** LPW

	LO	MO	SO	HO
lm/ft	490	825	1140	1425
w/ft	3.75	6.5	9.4	12.5

SMART SPECS



Lumen output may vary +/- 5%  
3500K used for lm/ft estimates above  
4000K +2% Iif, 3000K -2%, 2700K -4%  
-10% LLF for 90 CRI (4K, 3500K and 3K)

SERIES	LED COLOR	OUT-PUT	PATTERN	SHIELD-ING	COLOR/FINISH	VOLT-AGE	MOUNT-ING	CEILING SYSTEMS	DRIVERS	OPTIONS, SENSORS & CORNERS
BoltPro-SM				SAL						
BoltPro Side Mount — Open Patterns with End Caps See Bolt Inside/Outside spec sheet for enclosed patterns (no end caps)	LED27 2700K (90CRI) LED3 3000K LED35 3500K LED4 4000K LED3-90 3000K (90CRI) LED35-90 3500K (90CRI) LED4-90 4000K (90CRI) LED5-90 5000K (90CRI)  PRUHUES: bios  STATIC: BLU3S BLU35S BLU4S DYNAMIC: BLU3D* BLU35D* BLU4D*  * Dynamic BIOS, SkyBlue spike can be dimmed, CCT warms slightly TU TuHue 2700-6500K Tunable White TU2 TuHue 2200-5000K Tunable White AMB AmberHue Warm Dim 2200K-5000K CHR ChromaHue RGBW (DMX at HO only)	LO Low MO Medium SO Standard HO High PROG Programmable Light Output (Specify desired lm/ft or w/ft)	For Patterns, Specifiers may write in 'Pattern' and include a drawing with corners and dimensions.	SAL Satin Acrylic Lens	TMW Textured Matte White YGW Gloss White (Standard) Y Premium Color CC Custom Color  LUXE METALLICS: YBZ Bronze YCP Copper Penny YGN Gold Nugget  NOTE: All canopies are painted the same color as the fixture. Consult factory to specify	UNV (120-277) 347 (Emergency battery requires a Step Down transformer)	CA48", 96" or 144" Aircraft Cable (Adjustable)  SURFACE MOUNT NA	X1 T-Bar 1 5/16" or 9/16" (Standard) Consult factory for 5/16" Tegular X3 Hard Ceiling X6 Slot Grid or Interlude	ND Non-Dimming 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) nLight-Air Acuity nLight Drivers (ECDA driver ONLY) nLight-Wired Acuity nLight nLO Drivers (ECO driver ONLY, Requires Remote Driver) SOLO 0.1% 0-10v, EldoLED (Dim-to-dark, Logarithmic dimming std) SODA 0.1% DALI, EldoLED (Dim-to-dark, Logarithmic dimming std) STEP Signify Advance Step Dimming 2WIRE ELV/Forward/Reverse Phase Driver PRUHUES: E10V 2 Channel Color Control EDALI 2 Channel Color Control EDMX ChromaHue or Static White	EMHE CA T20 Emergency Battery (1350 Delivered Lumens; CA Title 20 compliant; 4' or longer) ETS-DR Iota ETS-DR Emergency Transfer Switch EBCP1G/2G Single/ Dual Gang (Electrical Box Cover Plate/Mud Ring) JA8 90 CRI, ECO Driver Only (Consult factory for pricing) PruTune Wall Device (EDALI driver only, one PruTune device for each zone)  SENSORS: (NA w/EDMX) 205 WattStopper PIR Occupancy 205-ON/OFF 205-STEP: Dim to 50% 205-DM: Dim to 1% (NA with DALI) ATHENA Lutron RF (Dim-to-Off Standard) LVOC** Lutron Vive (Occ & RF) LVRF** Lutron Vive (RF Only) ** Requires Lutron driver NXSMP Hubbell (Occ) rES7 Daylight+ (PIR Acoustic) (Occ) (nLight-Air) Part Number: rES7-PDT-180D-G2 nES7 Daylight+(PIR Acoustic) (Occ) (nLight-Wired) Part Number: nES-PDT7-ADCX
										CORNERS: C20 90° OUTSIDE C20-120 120° OUTSIDE C20-135 135° OUTSIDE C20-60 60° OUTSIDE C20-45 45° OUTSIDE C21 90° INSIDE C21-120 120° INSIDE C21-135 135° INSIDE C21-60 60° INSIDE C21-45 45° INSIDE



## PHOTOMETRICS

### High Output:

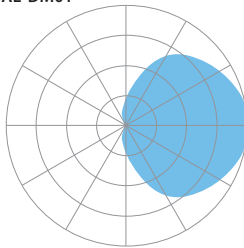
**BOLTPRO-LED4-HO-04-SAL-DM01**

6853 Delivered Lumens

49 Watts

140 lm/w

4000 CCT



### Zonal Lumen Summary:

0-90 (Down) = 86.9%

90-180 (Up) = 13.1%

Vertical Angle	0°	22.5°	45°	67.5°	90°
0°	1849	1849	1849	1849	1849
5°	1862	1856	1840	1839	1843
15°	1804	1797	1775	1757	1739
25°	1668	1655	1620	1583	1540
35°	1523	1493	1420	1347	1271
45°	1406	1349	1218	1083	973
55°	1280	1206	1022	825	684
65°	1089	1018	822	593	427
75°	833	783	615	383	209
85°	578	548	421	216	44
90°	473	453	98	165	5
95°	405	391	310	150	4
105°	307	300	246	124	4
115°	246	240	192	72	5
125°	205	193	120	56	5
135°	146	114	82	45	6
145°	105	80	66	36	7
155°	74	56	46	27	8
165°	17	23	11	16	10
170°	9	9	9	9	9

## 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. Min: 3.75 w/ft, Max 12.5 w/ft.

**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.

32v Forward Voltage (+/- 1 volt based on drive current)

Drive Currents: **LO:** 100mA, **MO:** 100mA, **SO:** 250mA, **HO:** 325mA

## CONSTRUCTION

**Housing** Extruded aluminum, 25% PC recycled, 100% recyclable

**End Caps** Cast aluminum, >25% PC recycled, 100% recyclable

**Lens** Single-piece (up to 8' lengths) extruded acrylic, 100% recyclable

**Weight** 2 lbs/ft

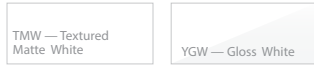
**MOUNTING** Surface mounted to walls or ceilings or suspended by cable.

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



## FINISH COLORS

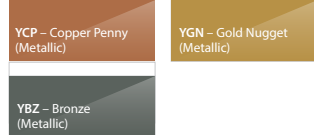
### STANDARD:



### PREMIUM:



### LUXE METALLICS:



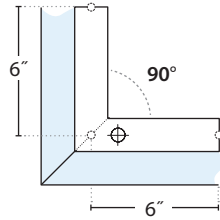
Choose from one of our Premium Colors with no set-up fee.

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

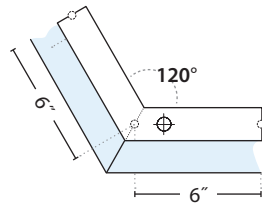
## CORNERS

### OUTSIDE

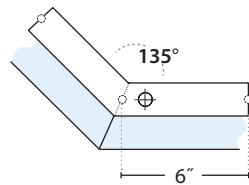
#### C20



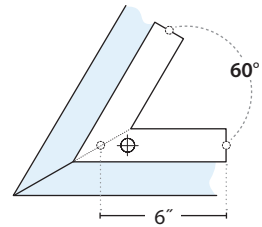
#### C20-120



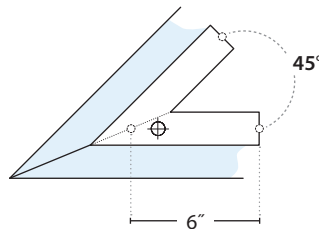
#### C20-135



#### C20-60

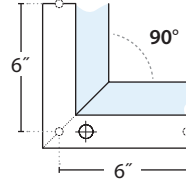


#### C20-45

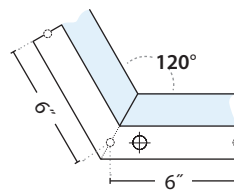


### INSIDE

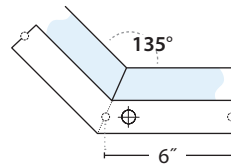
#### C21



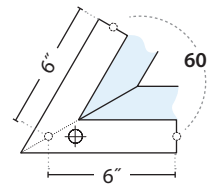
#### C21-120



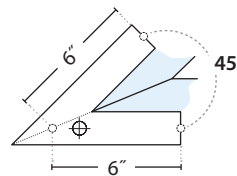
#### C21-135



#### C21-60

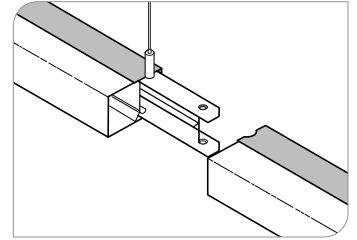


#### C21-45

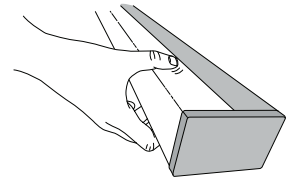


Lens
  7/8" K.O.
 
+
 Mounting Hole

## ADJOINING DETAILS



Allow space for access

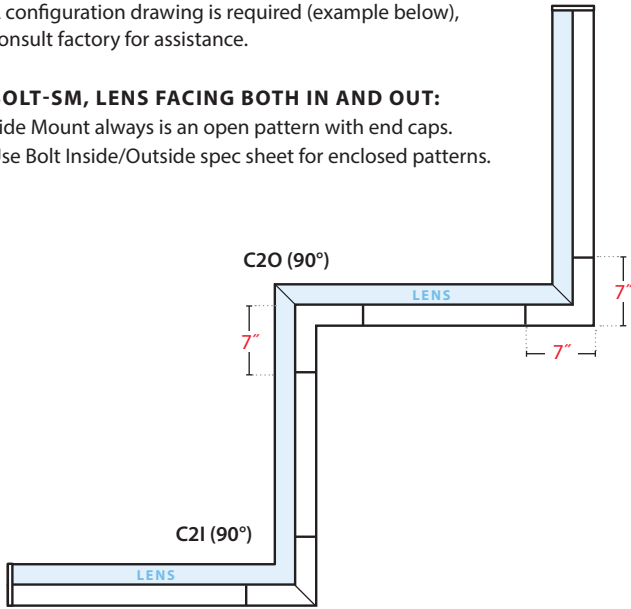




## SPECIFYING PATTERNS

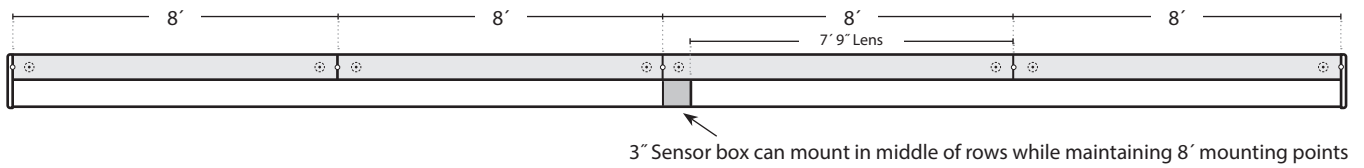
A configuration drawing is required (example below), consult factory for assistance.

**BOLT-SM, LENS FACING BOTH IN AND OUT:**  
Side Mount always is an open pattern with end caps.  
Use Bolt Inside/Outside spec sheet for enclosed patterns.



## MOUNTING LOCATIONS

### CABLE OR SURFACE MOUNTING WITH SENSOR BOX:



# BoltPro Side Mount | Linear



WIRING DIAGRAMS  
SPEC



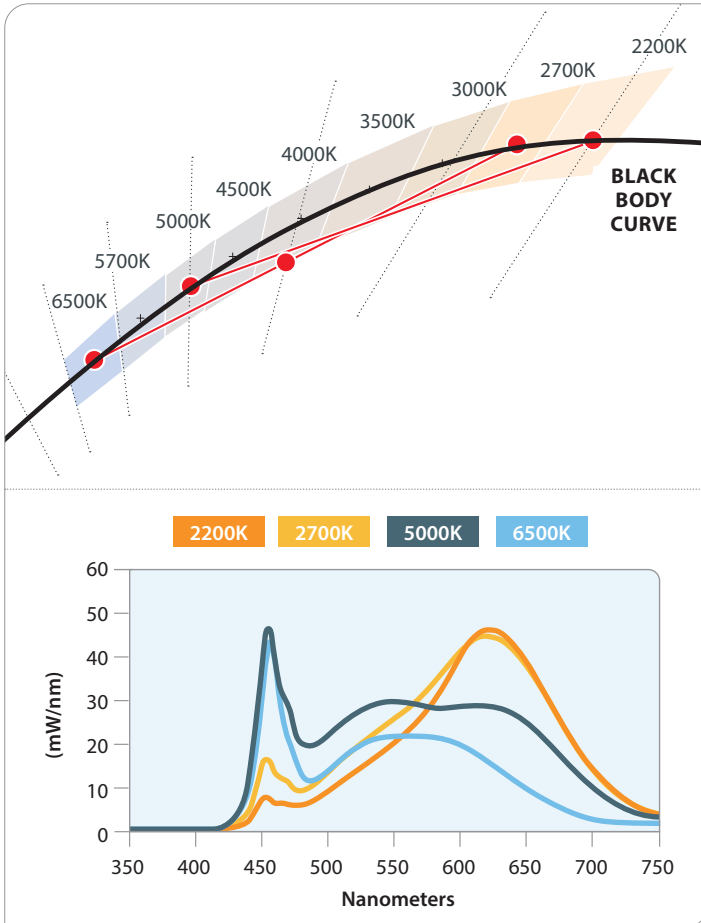
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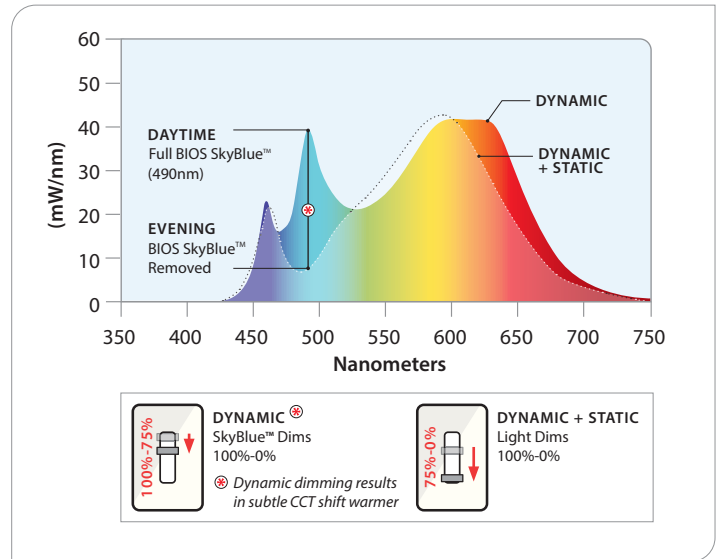
Prudential Lighting's **TuHue** Tunable White provides warm to cool white light simulating sunlight. Controlling the light source color temperature offers differing design aesthetics with potential benefits via circadian rhythm support. Blue light for alertness while warm light conveys tranquility.

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



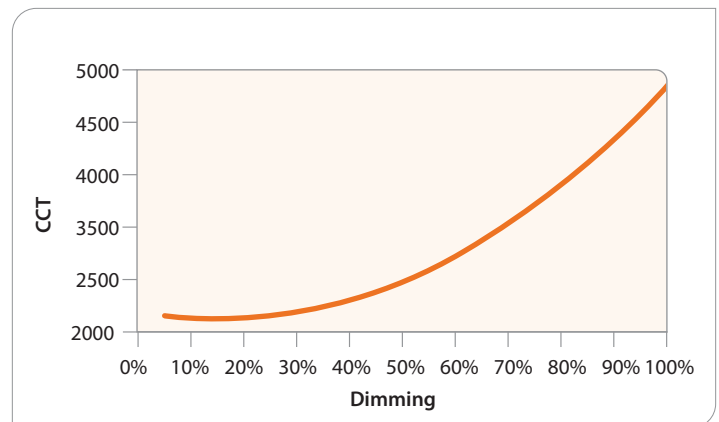
**BluHue BIOS SkyBlue™** circadian LED lighting brings the benefits of blue skies inside. Newly discovered blue-sky receptors in our eyes drive improved daytime alertness, mood, brain function, and strengthens circadian rhythms leading to overall better health and well-being.

- 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]).



**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.

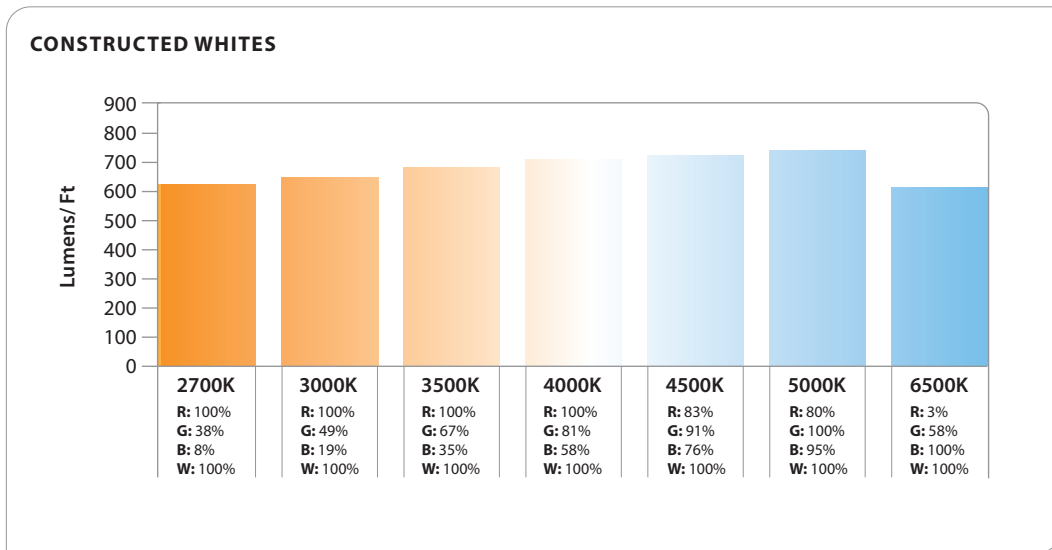
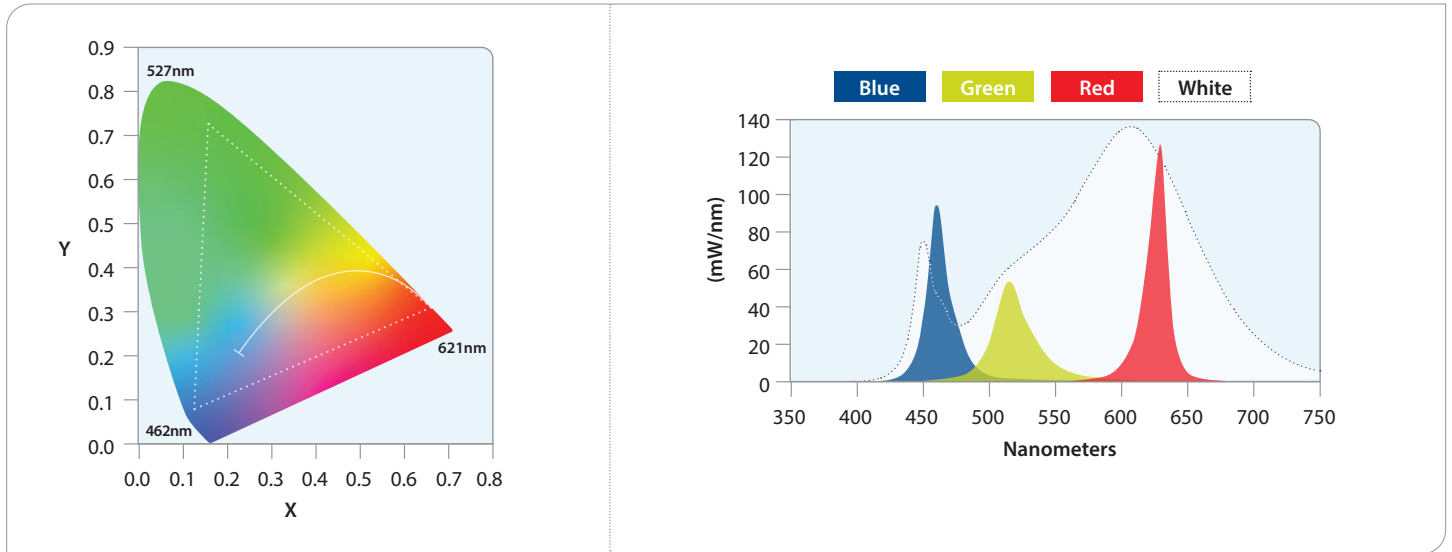
- Warm Dim 2200K-5000K.
- Color temperature warms as the luminaire is dimmed.
- Calm, relaxing mood communicated – hospitality, residential feel.





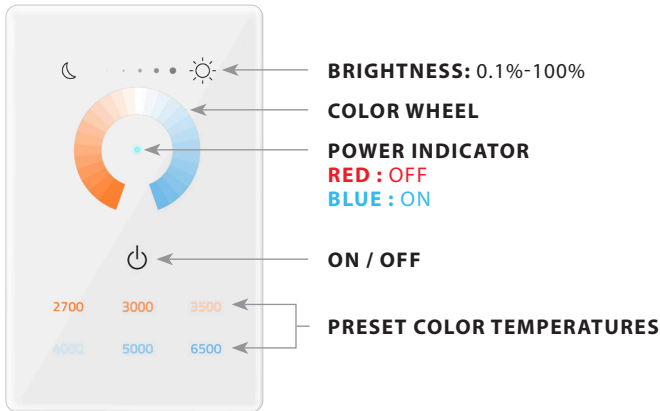
**ChromaHue** offers a vibrant full gamut of colors for seemingly endless architectural interior applications. Rich color-changing light offers tremendous design flexibility while white light can be achieved with the White chip, or mixing of Red, Green and Blue light. No longer just for the entertainment 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.





## PRUTUNE WALL DEVICE



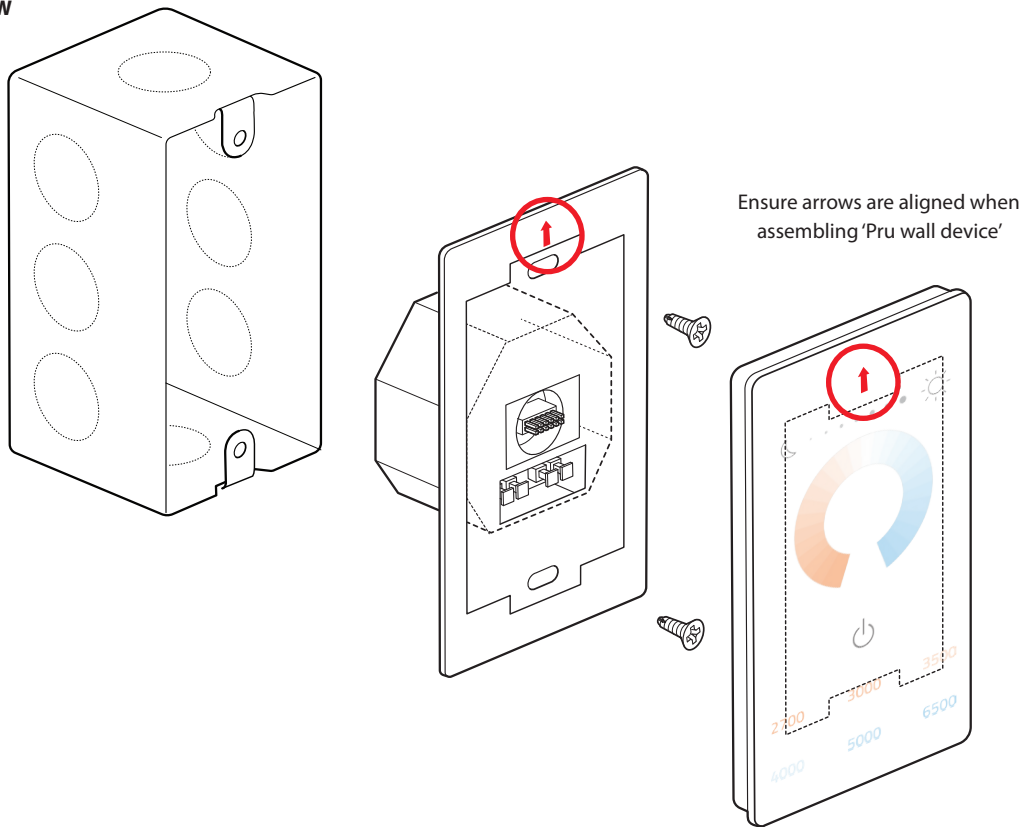
### PRUTune DALI device includes:

- Easy-to-understand user control with intuitive design
- Out-of-the-box set-up, no commissioning needed
- Color wheel for color change from 2700K to 6500K
- Dimming to 0.1% (255 Steps)
- Six preset colors (2700K, 3000K, 3500K, 4000K, 5000K, 6500K)
- Must use DALI driver, consult factory to control non-Prudential Ltg Tunable White fixtures
- Control one (1) zone - up to 30 drivers  
 (Consult factory for fixture quantity dependant upon fixture type, size & output)

### PRUTune + EMHE: — Prutune does not have memory

- Once normal power is restored, the controller sends a signal of 100% intensity and 6500K CCT

## EXPLODED VIEW





## 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	3488	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	4056	92	57	0.0001		
	LED65	6061	4052	82	-1	0.006		
<b>TH2</b>	LED22	2209	4012	92	52	0.0005		
	LED50	4796	4044	93	77	0.004		
<b>CH</b>	2700K	2632	4076	82	50	0.003		
	3500K	3388	4424	83	5	0.002		
	4000K	3977	4444	83	29	0.003		
	5000K	5233	4548	84	21	0.003		



SENSORS

				
<b>205:</b> Wattstopper	<b>LVOC:</b> Lutron Occupancy /Daylight Sensor	<b>LVRF:</b> Lutron Vive Control Node	<b>NXSMP:</b> Hubbell Occupancy /Daylight Sensor	<b>ATHENA</b>
Low voltage PIR fixture integrated occupancy sensor.	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.	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

			
<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 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 nES7 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 nES7 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 nES7 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.