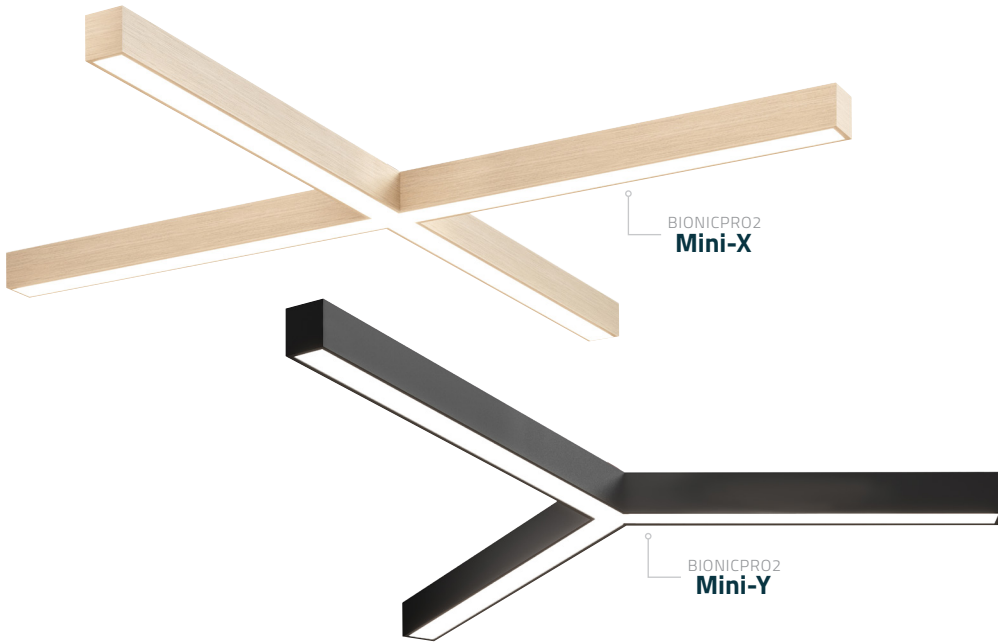


BionicPro2 Mini X-Y

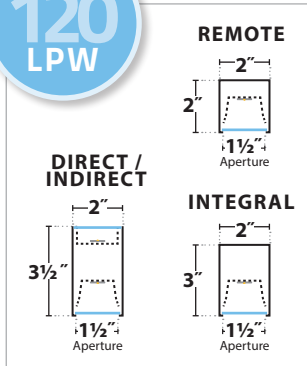
Pendant, Surface



CONTENTS: SMART SPECS

- 02 — Ordering Matrix
- 03 — Lumen Charts + LED Info
- 05 — Finishes + Laminates Options
- 06 — PruHue Info
- 08 — PruTune Wall Device
- 09 — LM70 + TM30 Data
- 10 — LM70 + TM30 PruHue Data
- 11 — Sensor Info

UP TO
120
LPW

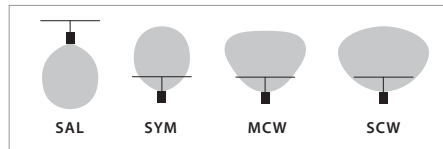


Lumen output may vary +/- 5%
Light Loss Factor (LLF) for CCTs other
than 3500K: 4000K +2%, 3000K -5%, 2700K
-20% 90 CRI -15% (3K, 35 00K, 4K & 5K)

Mini-X

DIRECT:	LO	MO	SO	HO
SAL Lm/Ft	3250	4850	6800	8650
W/Ft	30	46	65	86
INDIRECT:	LO	MO	SO	HO
SYM Lm/Ft	4050	6050	8450	10800
MCW Lm/Ft	3100	4600	6450	8250
SCW Lm/Ft	4200	6300	8800	11200
W/Ft	28	42	60	79

LUMEN CHART AT 3500K-80 CRI



Mini-Y

DIRECT:	LO	MO	SO	HO
SAL Lm/Ft	1950	3750	5050	6050
W/Ft	23	34	49	64
INDIRECT:	LO	MO	SO	HO
SYM Lm/Ft	3000	4500	6300	8000
MCW Lm/Ft	2400	3550	4800	6300
SCW Lm/Ft	3200	4800	6700	9400
W/Ft	21	32	45	59

LUMEN CHART AT 3500K-80 CRI



BionicPro
SERIES PAGE

TUNABLE WHITE AVAILABLE:




prulite.com



Ordering Matrix

TYPE: JOB:

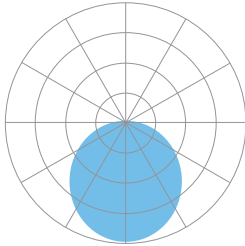
SERIES	TYPE	LED COLOR	OUTPUT	COLOR / LAMINATE	LAMINATE CANOPY COLOR	DISTRIBUTION
BPRO2-MINI-X 2' x 2' x 2' x 2'	REM Remote 2' x 2' (NA Direct/Indirect)	LED27 2700K (90CRI) LED3 3000K LED35 3500K LED4 4000K	LO Low MO Medium SO Standard	TMW Textured Matte White (Standard) Y__ Premium Color CC__ Custom Color	(SKIP THIS COLUMN IF LAMINATE FINISH IS NOT SELECTED) TMW Textured Matte White (Standard) Y__ Premium Color CC__ Custom Color	<p style="text-align: center;">CHOOSE DOWN-AND-UP</p> <p>DOWN: SAL Satin Lens</p> <p>UP: NU No Indirect SYM Symmetric (Frosted ADC, Standard) MCW Medium Ceiling Wash SCW Soft Ceiling Wash</p>
BPRO2-MINI-Y 2' x 2' x 2'	ING Integral 2' x 3" DIR/IND Direct/Indirect 2' x 3 1/2"	LED3-90 3000K (90CRI) LED35-90 3500K (90CRI) LED4-90 4000K (90CRI) LED5-90 5000K (90CRI) PRUHUES:  STATIC: BLU3S BLU3SS BLU4S DYNAMIC: BLU3D* BLU35D* BLU4D* <small>* Dynamic BIOS, SkyBlue spike can be dimmed, CCT warms slight</small> TU TuHue 2700-6500K Tunable White TU2 **TuHue 2200-5000K Tunable White AMB** AmberHue Warm Dim 2200K-5000K <small>** NA HO</small> CHR ChromaHue RGBW (DIMX at HO only) DOWN & UP CCT IF DIFFERENT	HO High PROG Programmable Light Output (Specify desired lm/ft or w/ft) SPECIFY DOWN THEN UP IF DIFFERENT OUTPUT DESIRED	LUXE METALLICS: YBZ Bronze YCP Copper Penny YGN Gold Nugget LAMINATE FINISHES (SPECIFY CANOPY COLOR IN NEXT COLUMN →) LOK Vara Oak LEW Evreux Walnut LOG Oxidized Gold LOB Oxidized Black L__ Special Order Laminate (EXTENDED LEAD TIMES) NOTE: For LUXE finishes, Stem and Canopy are White (TMW) unless specified otherwise.	LUXE METALLICS: YBZ Bronze YCP Copper Penny YGN Gold Nugget NOTE: For LUXE finishes, Stem and Canopy are White (TMW) unless specified otherwise	

CIRCUITING	VOLTAGE	MOUNTING	CEILING SYSTEMS	DRIVERS	OPTIONS & SENSORS
SC Single Circuit DC Dual Circuit	UNV (120-277) 347 (Emergency battery requires remote driver box)	RPM 48", 96" or 144" Round Cast Aluminum Canopy SPM 48", 96" or 144" Square Cast Aluminum Canopy RSC Rigid Stem Center SSC Swivel Stem Center (~45° of rotation) PAC 96" Powered Aircraft Cable Canopy (Direct canopy mount direct only, X3 only, NA HO) RPAC Remote Powered Aircraft Cable Canopy (Direct only, X3 only, NA HO) SURS Surface Standoff	X1-ON T-Bar X1-OFF T-Bar X3 Hard Ceiling	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, EldoLE (Logarithmic dimming std) ECDA 1% DALI, EldoLED (Logarithmic dimming std) nLight-Air Acuity nLight nIO Drivers (ECDA driver ONLY) 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 (1250 Delivered lumens; CA Title 20 compliant, 4' or <Remote) ETS-DR Iota ETS-DR Emergency Transfer Switch EMC Emergency Circuiting PruTune Wall Device (EDALI 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 NOTE: Sensor Plate is located in middle of X or Y

DIRECT:

SATIN LENS

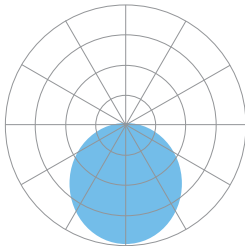
STANDARD OUTPUT:
BPRO2-MINI-X-SAL-SO
 6802 Delivered Lumens
 65 Watts
 104 lm/w
 3500 CCT



Zonal Lumen Summary:
 0-90 = 100%

Vertical Angle	0°	40°	90°	130°	180°
0°	2509	2509	2509	2509	2509
5°	2495	2495	2495	2495	2495
15°	2390	2390	2390	2390	2390
25°	2193	2193	2193	2193	2193
35°	1919	1919	1919	1919	1919
45°	1584	1584	1584	1584	1584
55°	1205	1205	1205	1205	1205
65°	795	795	795	795	795
75°	383	383	383	383	383
85°	67	67	67	67	67
90°	15	15	15	15	15

STANDARD OUTPUT:
BPRO2-MINI-Y-SAL-SO
 5068 Delivered Lumens
 49 Watts
 105 lm/w
 3500 CCT



Zonal Lumen Summary:
 0-90 = 100%

Vertical Angle	0°	40°	90°	130°	180°
0°	1854	1854	1854	1854	1854
5°	1849	1849	1849	1849	1849
15°	1775	1775	1775	1775	1775
25°	1629	1629	1629	1629	1629
35°	1426	1426	1426	1426	1426
45°	1177	1177	1177	1177	1177
55°	896	896	896	896	896
65°	592	592	592	592	592
75°	292	292	292	292	292
85°	54	54	54	54	54
90°	10	10	10	10	10

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.

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 Polymer, 100% recyclable.
Weight X-2x2: 16.65lbs
 Y-2x2: 11.65lbs

MOUNTING

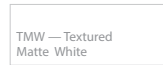
Surface mounted to ceilings or suspended by cable.

WARRANTY

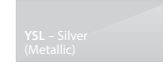
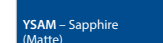
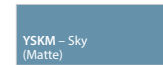
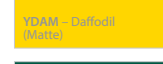
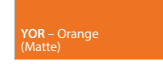
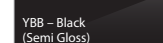
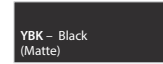
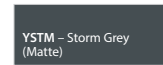
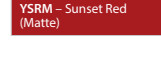
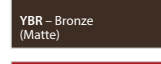
Single-source, 5 year limited warranty covers standard components and construction.

FINISH COLORS

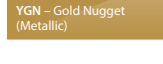
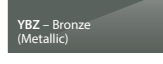
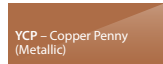
STANDARD:



PREMIUM:



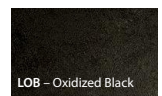
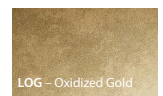
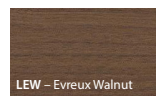
LUXE METALLICS:



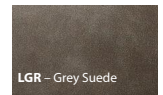
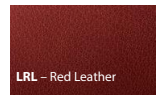
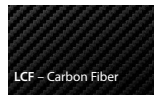
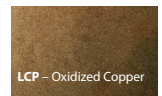
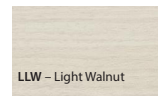
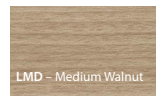
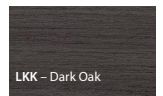
LAMINATE FINISHES:

Choose from one of our Premium Colors with no set-up fee. For paint chip samples, please email: info@prulite.com.

STANDARD:



SPECIAL ORDER (EXTENDED LEAD TIMES):



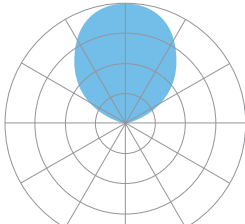
NOTE: For Laminate finishes Stem is YBK Matte Black except for LOK and LLW it will be TMW White.

INDIRECT:

SYMMETRIC

STANDARD OUTPUT:

BPRO-MINI-X-SO-SYM
8459 Delivered Lumens
60 Watts
142 lm/w
3500 CCT



Zonal Lumen Summary:
90-180 = 100%

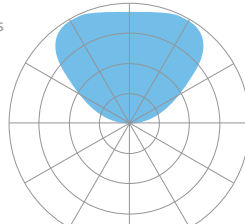
3286

Vertical Angle	0°	40°	90°	130°	180°
90°	42	53	37	38	42
95°	146	150	128	141	146
105°	467	454	449	452	868
115°	864	895	867	890	864
125°	1421	1401	1378	1379	1421
135°	1901	1918	1925	1932	1901
145°	2421	2445	2441	2465	2421
155°	2836	2866	2849	2885	2836
165°	3108	3146	3117	3164	3108
175°	3286	3284	3247	3302	3242
180°	3286	3286	3286	3286	3286

SOFT CEILING WASH

STANDARD OUTPUT:

BPRO-MINI-X-SO-SCW
6710 Delivered Lumens
45 Watts
148 lm/w
3500 CCT



Zonal Lumen Summary:
90-180 = 100%

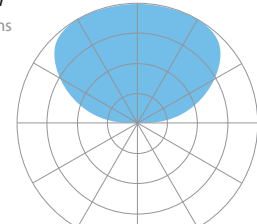
1751

Vertical Angle	0°	40°	90°	130°	180°
90°	24	19	26	31	24
95°	108	93	91	107	108
105°	429	403	378	423	429
115°	837	831	795	850	837
125°	1326	1368	1312	1345	1326
135°	1741	1765	1722	1714	1741
145°	1881	1887	1879	1841	1881
155°	1845	1857	1862	1820	1845
165°	1790	1802	1809	1770	1790
175°	1756	1766	1770	1734	1756
180°	1751	1751	1751	1751	1751

MEDIUM CEILING WASH

STANDARD OUTPUT:

BPRO-MINI-X-SO-MCW
6452 Delivered Lumens
59 Watts
109 lm/w
3500 CCT



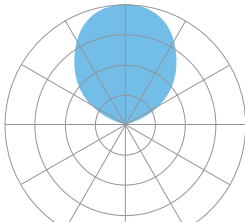
Zonal Lumen Summary:
90-180 = 100%

1138

Vertical Angle	0°	40°	90°	130°	180°
90°	22	49	23	40	22
95°	129	172	123	163	129
105°	537	590	540	592	537
115°	951	997	995	1000	951
125°	1258	1296	1344	1302	1258
135°	1429	1472	1519	1483	1429
145°	1498	1547	1567	1557	1498
155°	1535	1567	1570	1573	1535
165°	1544	1569	1557	1571	1544
175°	1552	1572	1548	1572	1552
180°	1563	1563	1563	1563	1563

STANDARD OUTPUT:

BPRO-MINI-Y-SO-SYM
4332 Delivered Lumens
33 Watts
132 lm/w
3500 CCT



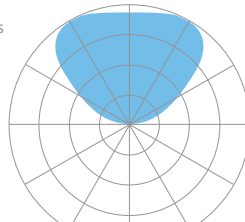
Zonal Lumen Summary:
90-180 = 100%

1782

Vertical Angle	0°	40°	90°	130°	180°
90°	30	32	40	42	40
95°	106	101	109	112	109
105°	335	332	340	339	340
115°	643	643	651	643	651
125°	1021	1028	1034	1024	1034
135°	1452	1451	1446	1434	1446
145°	1848	1851	1847	1819	1847
155°	2162	2166	2166	2128	2166
165°	2366	2375	2378	2334	2378
175°	2465	2477	2482	2435	2482
180°	2470	2470	2470	2470	2470

STANDARD OUTPUT:

BPRO-MINI-Y-SO-SCW
4639 Delivered Lumens
33 Watts
143 lm/w
3500 CCT



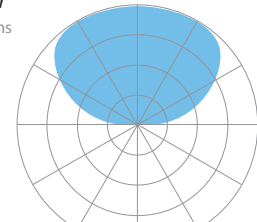
Zonal Lumen Summary:
90-180 = 100%

1754

Vertical Angle	0°	40°	90°	130°	180°
90°	14	16	26	24	14
95°	101	90	91	104	101
105°	428	402	379	421	428
115°	834	831	795	850	834
125°	1327	1371	1311	1349	1327
135°	1750	1771	1722	1720	1750
145°	1886	1888	1881	1844	1886
155°	1846	1859	1862	1819	1846
165°	1789	1754	1808	1770	1789
175°	1754	1766	1770	1735	1754
180°	1754	1754	1754	1754	1754

STANDARD OUTPUT:

BPRO-MINI-Y-SO-MCW
4830 Delivered Lumens
45 Watts
107 lm/w
3500 CCT

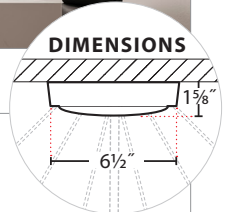


Zonal Lumen Summary:
90-180 = 100%

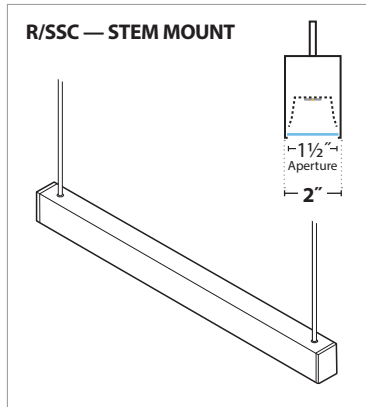
1183

Vertical Angle	0°	40°	90°	130°	180°
90°	13	17	24	24	13
95°	97	105	109	118	97
105°	426	440	411	438	426
115°	767	764	725	751	767
125°	1041	1007	992	986	1041
135°	1182	1132	1115	1116	1182
145°	1214	1180	1164	1165	1214
155°	1208	1188	1175	1174	1208
165°	1186	1183	1176	1170	1186
175°	1182	1188	1182	1169	1182
180°	1183	1183	1183	1183	1183

Options



CANOPY DETAILS

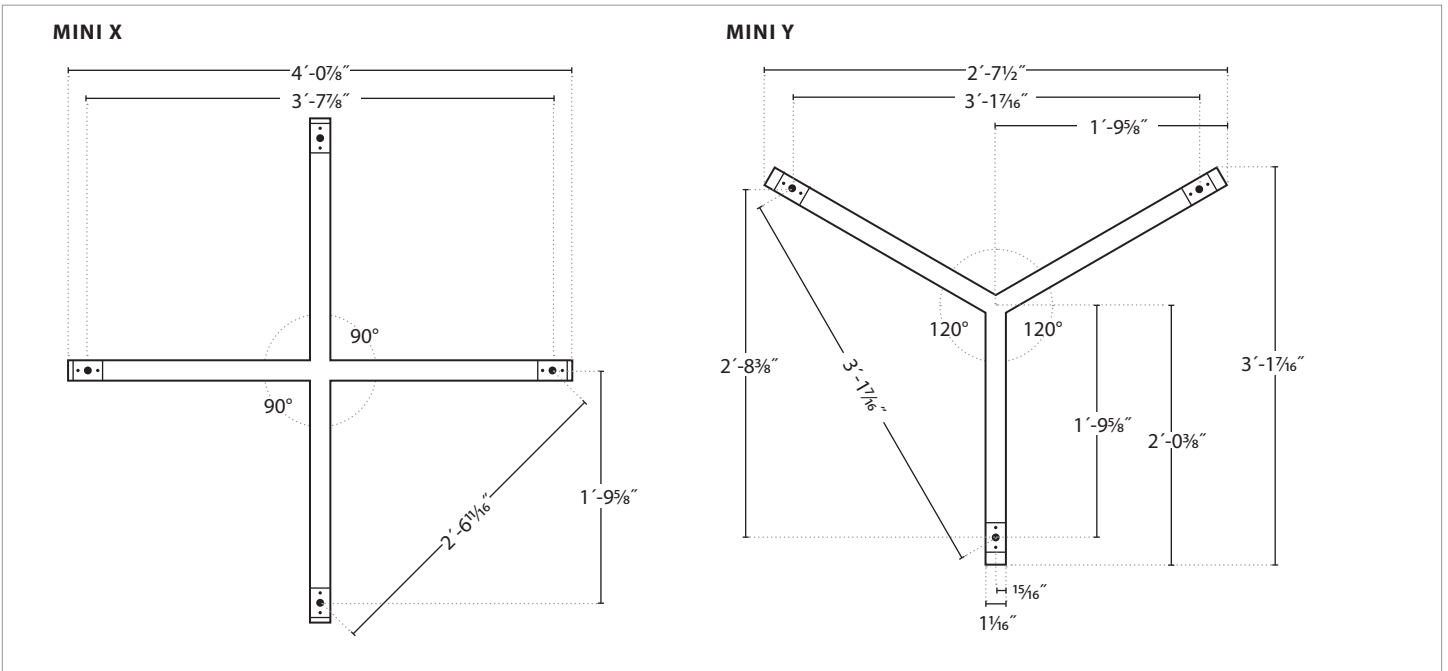


R/SPM — CAST ALUMINUM CANOPIES

48", 96" or 144": Round 48", 96" or 144": Square

NOTE:
Canopies cannot mount directly to t-bar grids

MOUNTING DIMENSIONS



BionicPro2 Mini X-Y | Pendant, Surface PruHues



PRUDENTIAL LTG.

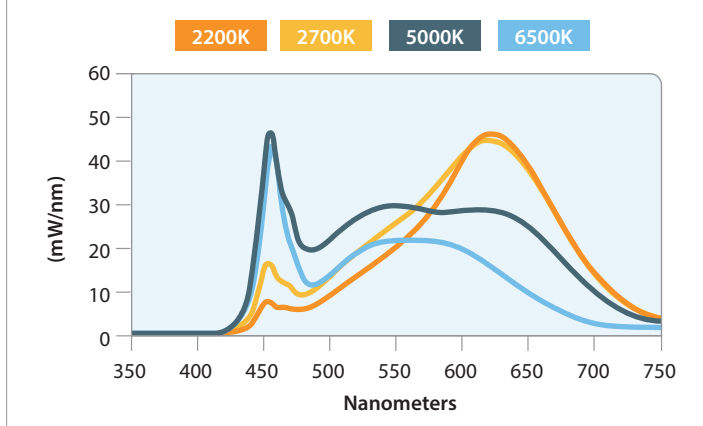
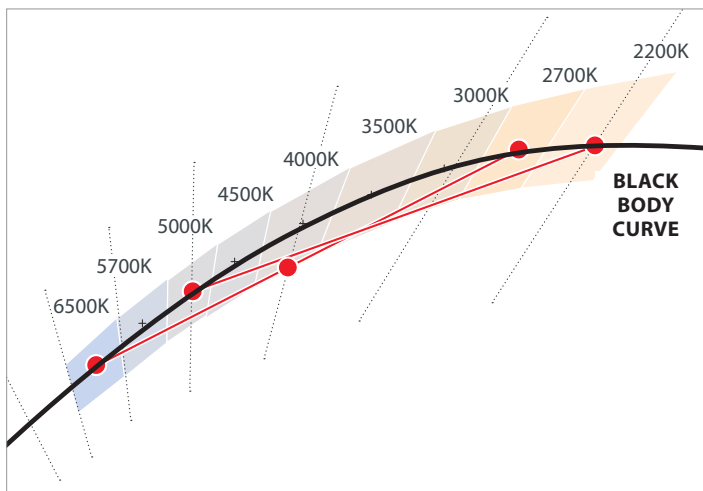
Lumen Outputs:		TUHUE, TUHUE2, AMBERHUE, BLUHUE			
MINI X:		LO	MO	SO	HO*
SAL	Lm/Ft	800	1500	2100	2800
SYM	Lm/Ft	1400	1900	2450	3100
SCW	Lm/Ft	1400	1900	2450	3100
	W/Ft	15.2	22.4	31.2	42
MINI Y:					
SAL	Lm/Ft	600	1150	1600	2100
SYM	Lm/Ft	1050	1500	1900	2400
SCW	Lm/Ft	1050	1500	1900	2400
	W/Ft	11.6	16.8	23.6	31.5

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



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.

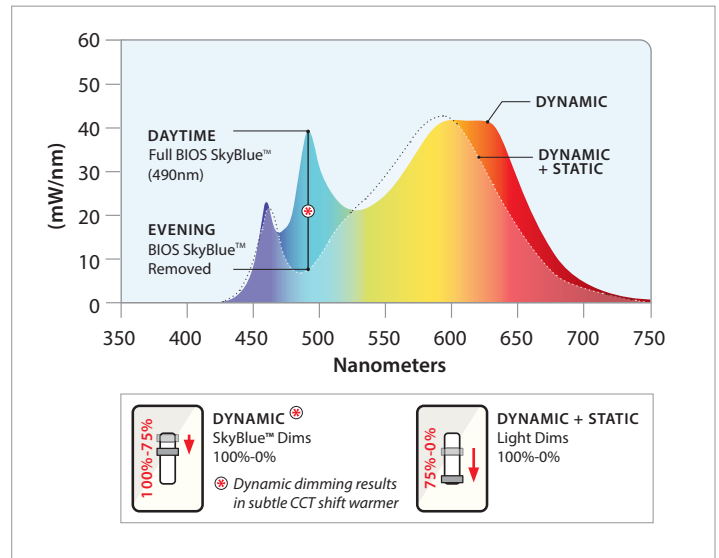
- 2700K-6500K or 2200K-5000K.
- Adjust the color temperate and brightness separately.
- Simulates warm to cool to warm transition of sunlight.



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.

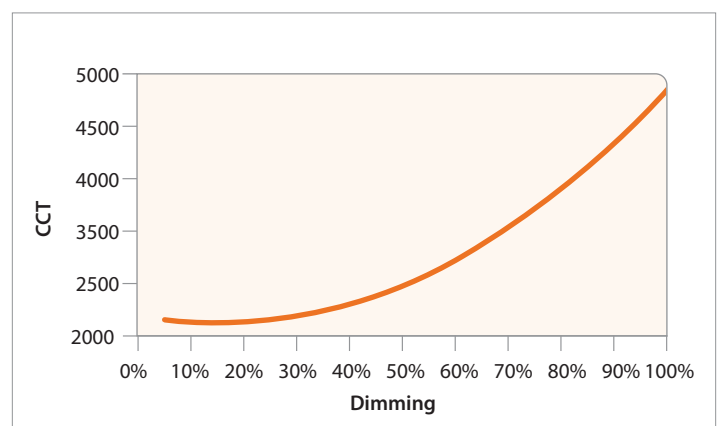


- Circadian rhythms play an integral role in physical and mental health.
- BluHue BIOS SkyBlue pinpoints peak 490nm sensitivity to provide the most benefit from an electric light source.
- At night, simply dim the lights to remove SkyBlue™ wavelengths (specify "Blu_D" to dim Cyan SkyBlue spike separately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



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.



BionicPro2 Mini X-Y | Pendant, Surface

PruHues

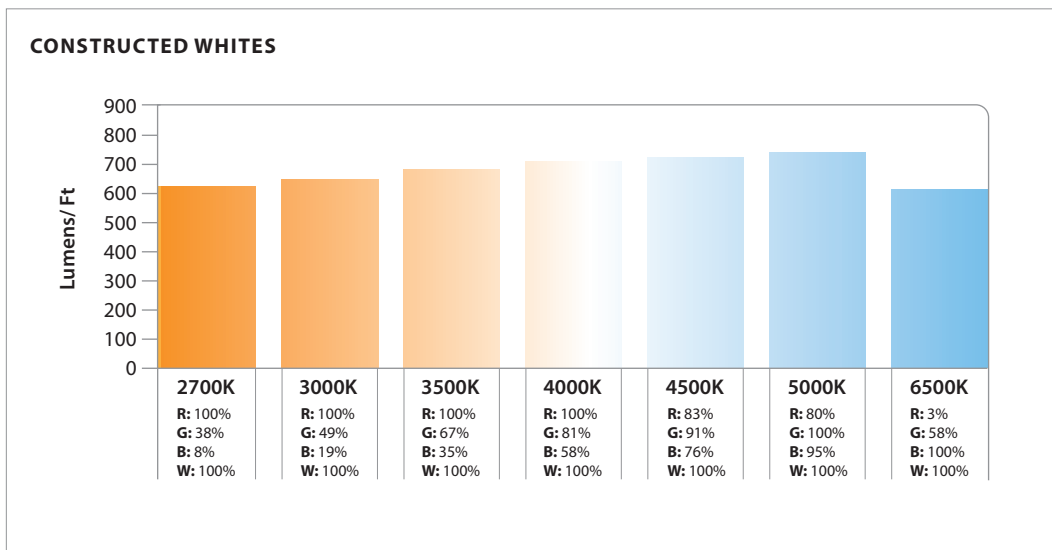
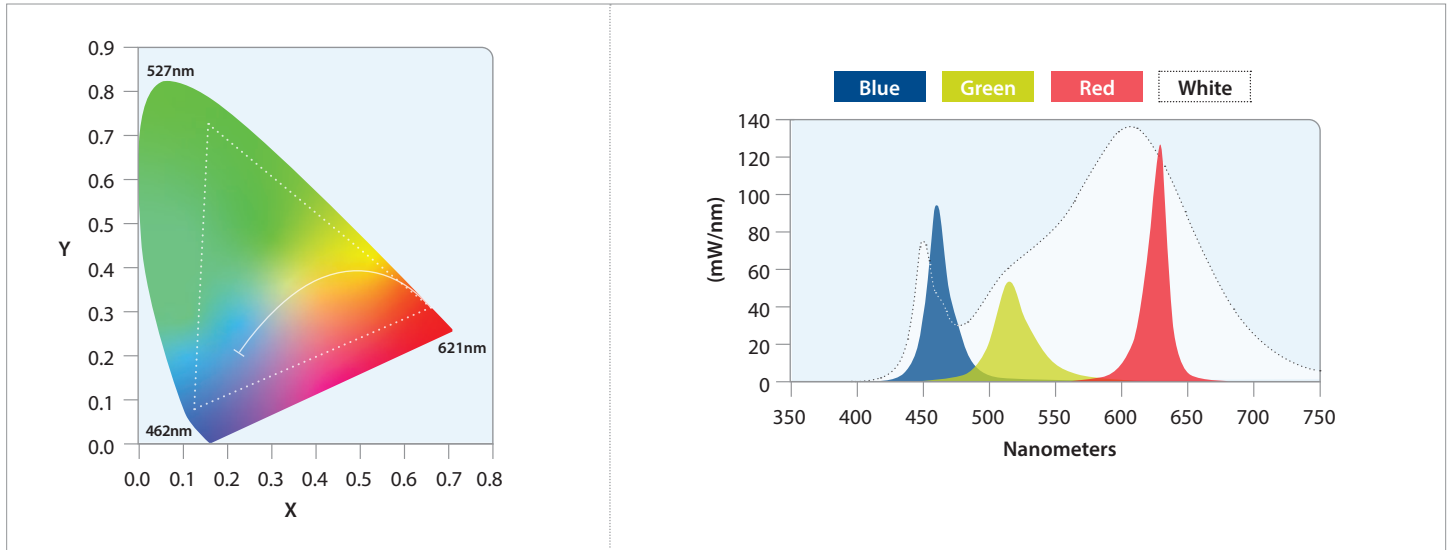


PRUDENTIAL LTG.

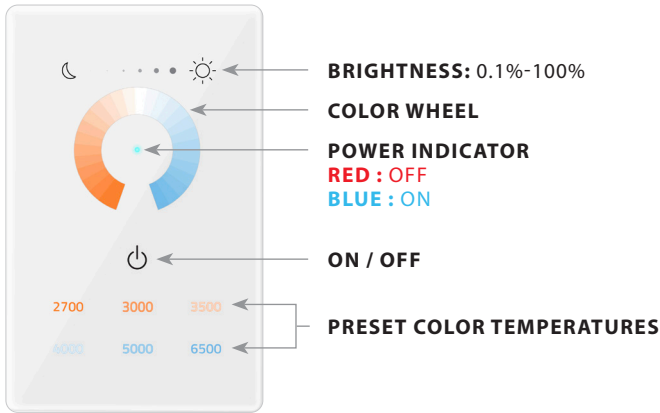


ChromaHue offers a vibrant full gamut of colors for seemingly endless architectural interior applications. Rich color-changing light offers tremendous design flexibility while white light can be achieved with the White chip, or mixing of Red, Green and Blue light. No longer just for the entertainment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



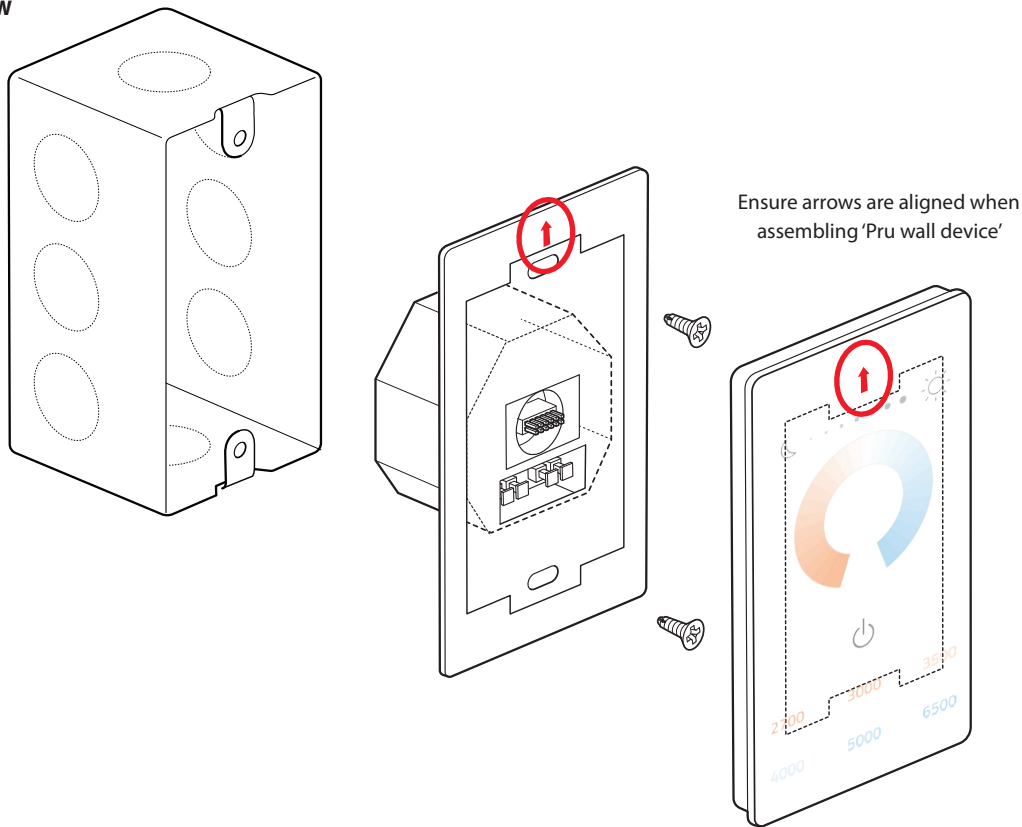
PRUTune DALI device includes:

- 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)

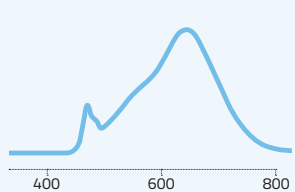

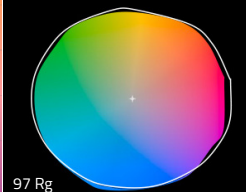
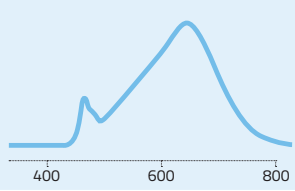
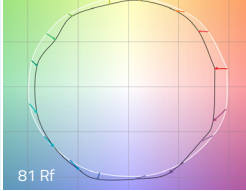
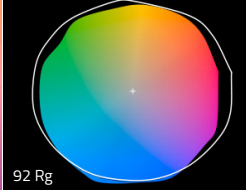
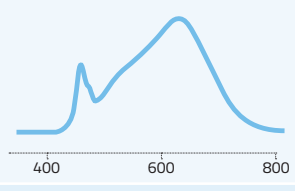
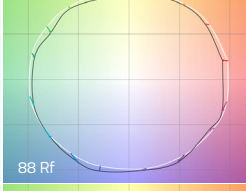
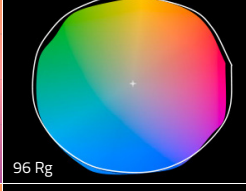
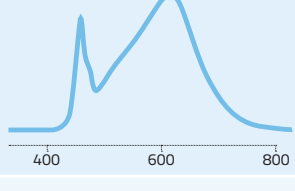

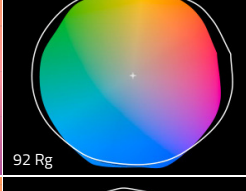
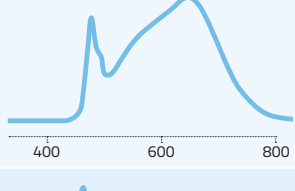

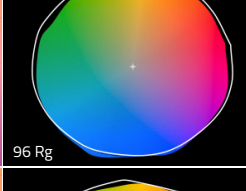
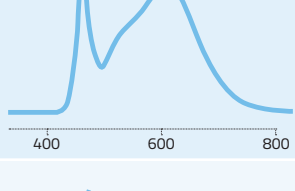
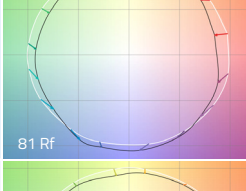
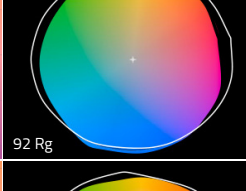
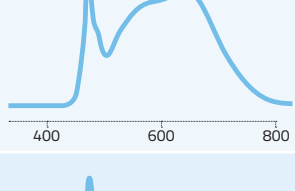
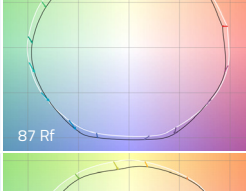
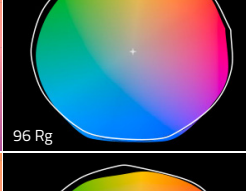
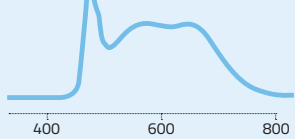
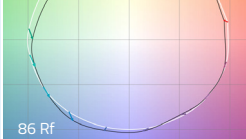

PRUTune + EMHE: — Prutune does not have memory

- 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
LED27	2680	80%	93	58	0.001		 89 Rf	 97 Rg
LED3	3042	95%	82	6	0.001		 81 Rf	 92 Rg
LED3-90	3016	85%	93	61	0.000		 88 Rf	 96 Rg
LED35	3482	100%	82	3	0.002		 81 Rf	 92 Rg
LED35-90	3417	85%	93	67	0.000		 88 Rf	 96 Rg
LED4	3952	102%	82	4	0.003		 81 Rf	 92 Rg
LED4-90	3882	85%	92	67	0.003		 87 Rf	 96 Rg
LED5-90	4889	85%	94	84	0.002		 86 Rf	 95 Rg

LM79 & TM30 DATA:

		MEASURED CCT	MEASURED LUMENS	CRI	R9	LED27	SPD	TM30 — COLOR VECTOR
BH3S&D	bios 3000K	2779	2758	87	81	0.003		
	BH3D SKY BLUE DIMMED	2715	2425	82	3	0.002		
BH35S&D	bios 3500K	3245	2919	85	87	0.003		
	BH35D SKY BLUE DIMMED	3061	2502	83	7	0.001		
BH4&D	bios 4000K	3624	2993	85	86	0.004		
	BH4D SKY BLUE DIMMED	3388	2585	83	5	0.002		
TH	LED27	2684	2456	92	57	0.0001		
	LED65	6061	3292	82	-1	0.006		
TH2	LED22	2209	2112	92	52	0.0005		
	LED50	4796	2789	93	77	0.004		
CH	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

		
<p>205: Wattstopper</p>	<p>LVOC: Lutron Occupancy /Daylight Sensor</p>	<p>LVRF: Lutron Vive Control Node</p>
<p>Low voltage PIR fixture integrated occupancy sensor.</p>	<p>Measures light in the space (daylighting) while detecting people moving within an area using passive infrared to determine occupancy.</p> <p>Controls the lights to balance the light level in the space, combining convenience, exceptional energy savings, and ease of installation.</p>	<p>Provides wireless control of the fixture when neither occupancy nor daylight is needed.</p>

		
<p>NXSMP: Hubbell Occupancy /Daylight Sensor</p>	<p>ATHENA:</p>	<p>NLT-AIR-ADCX: Daylight+(PIR Acoustic) Occ</p>
<p>Hubbell Integrated/embedded networked lighting control, luminaire-level lighting control, LLLC.</p> <p>PIR motion sensor for automatic On/Off control.</p> <p>Integrated daylight sensor for daylight harvesting and/or lumen maintenance.</p> <p>Bluetooth radio provides wireless control of luminaire.</p> <p>Simple plug-in connection to NX Fixture Modules.</p> <p>Wireless Internet.</p>	<p>The Athena wireless node is a radio frequency (RF) device that enables simple, digital control of individual light fixtures in an Athena control system.</p> <p>The small size and compatibility with a wide variety of drivers allow for seamless integration with common commercial lighting fixtures from any manufacturer.</p> <p>Requires drivers with auxiliary power, consult factory for lead times</p>	<p>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.</p> <p>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.</p>