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LED HIGH BAY LIGHT
LumBAYPRIME

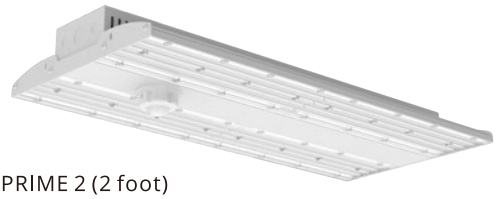
The LumBAYPRIME LED High Bay is a slim-profile, competitively priced, high-performance luminaire engineered to streamline specification, simplify installation, and reduce inventory complexity. Designed for maximum adaptability, it features field-adjustable wattage, color temperature, and beam angle, along with three versatile mounting options. LumBAYPRIME easily adapts to evolving project requirements, making it a smart, stocking-friendly solution for distributors, contractors, and national account programs.

Available in six fixture sizes and compatible with motion controls and battery backup, LumBAYPRIME delivers exceptional flexibility across a wide range of applications—including warehouses, distribution centers, manufacturing facilities, gymnasiums, and retail back-of-house environments. Its scalable platform allows one high-performance family to address virtually all high bay lighting needs, making it ideal for both new construction and retrofit projects.

Engineered for performance and value, LumBAYPRIME incorporates proven LED technology, integrated cooling channels for optimized thermal management, and durable construction to ensure consistent light output and extended service life. The result is a reliable, cost-effective solution designed to perform in demanding environments while supporting large-scale deployments within budget.



LumBAYPRIME 3 (3 foot)



LumBAYPRIME 2 (2 foot)



LumBAYPRIME (1 foot)



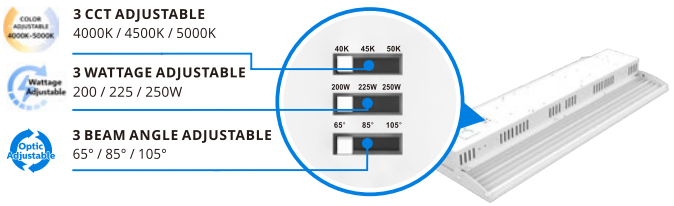
V-HOOK
Std.



-UB
U-Shaped Mounting Bracket (2 ea)



Pendant
½" Trade KO Conduit
Pendant Supplied by Others



FEATURES

CONSTRUCTION
- Quickly separate driver from LED module for easy maintenance.
- Adjustable wattage, color temp and beam angle via easy access dip switch
- Standard 6KV Surge Protection
- 0-10v Dimming Driver
- 80+ CRI

LISTING
- UL and cUL Listed-Damp Location Listed
- DLC Listed Premium
- 5-Year Warranty

HOUSING
- Quality steel housing
- Unsurpassed thermal dissipation extending lifetime fixture performance
- Easy access and installation with tool-less entry

FINISH
- 3mil applied for superior corrosive/environmental protection
- White Finish standard

LENS
- Diffused polycarbonate lens allowing high efficacy
- Type V optics standard

OPTIONS
- 277v-480v driver
- PIR Occupancy Sensor
- Emergency Battery Back Up

SPECIFICATIONS

Lumen Package (LM):	9727 to 73121 lumens
Wattage Range (W):	60 to 450 watts
Efficacy Range (LPW):	Up to 185 LPW
Product Weight LBS:	5.2(LBP1) / 8.6(LBP2) / 18.6(LBP3)
Carton LBS:	1.6LBS(LBP1) / 2.3LBS(LBP2) / 3LBS(LBP3)

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ORDERING GUIDE

Wattage Adjustable | COLOR ADJUSTABLE 4000K-5000K | Optic Adjustable

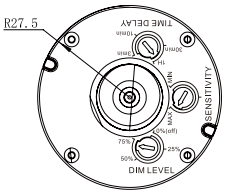
Series	–	Wattage	–	CCT	–	Distribution	–
LBP1 LumBAYPRIME (1 foot) **LBP2** LumBAYPRIME (2 foot) **LBP3** LumBAYPRIME (3 foot)		**A1** 60/80/100 watts[1] **A2** 105/120/150 watts[1] **A3** 160/180/200 watts[2] **A4** 200/225/250 watts[2] **A5** 240/275/300 watts[3] **A6** 325/285/450 watts[3]		**A** 4000/4500/5000K		**5** Type V[4] Adjustable beam angle 65°/85°/105°	

Voltage	–	Mounting[6]	–	Color	–	Controls-Options
U Universal 120-277V **HV1** High voltage 277-480V		**VH** V Hook (STD)[5] **UB** Shaped Bracket		**WH** White		**OC** Occupancy Sensor (PIR) **EM** Emergency Battery Backup

Foot Notes:
1 For LumBAYPRIME 1 only
2 For LumBAYPRIME 2 only
3 For LumBAYPRIME 3 only
4 Adjustable beam angle 65º/85º/105º
5 Chain by others
6 Pendant Mount ½" trade KO (conduit pendant supplied by others)

OPTIONS+ACCESSORIES





Option - OC
PIR Occupancy Sensor
OC - ANT-6-4T-GRL



Option - EM
Emergency Battery Backup

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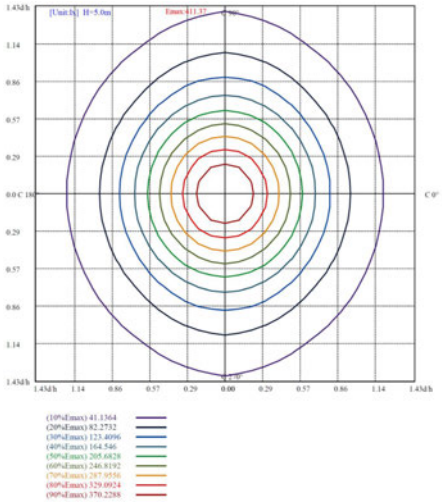
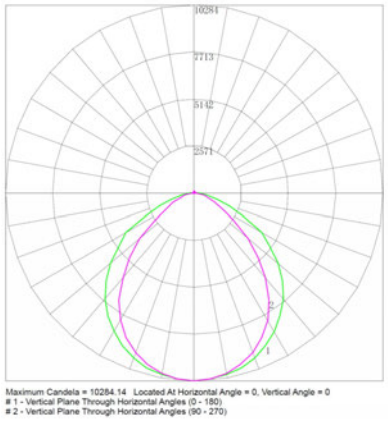
DISTRIBUTION

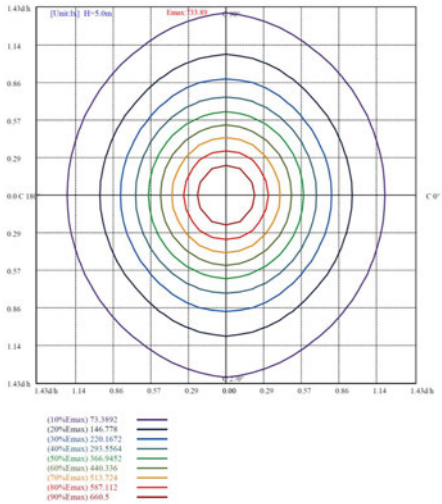
LBP1 ISO illuminance diagram(Lux) of 4000K at 85°



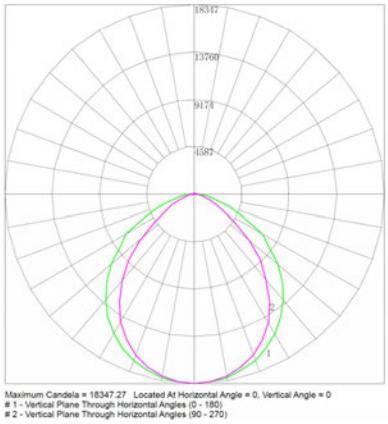
LBP1 Polar Curves of 4000K at 85°



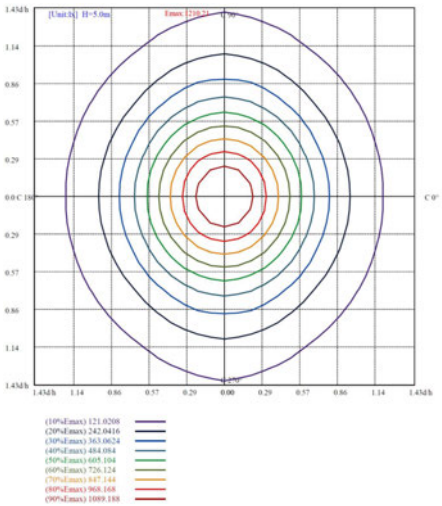
LBP2 ISO illuminance diagram(Lux) of 4000K at 85°



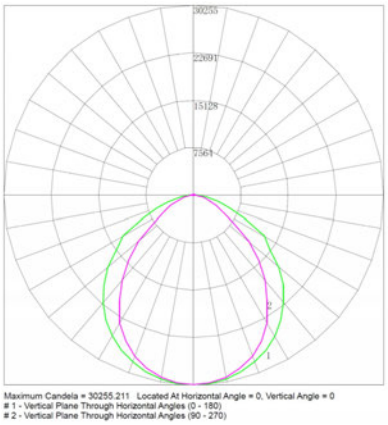
LBP2 Polar Curves of 4000K at 85°



LBP3 ISO illuminance diagram(Lux) of 4000K at 85°



LBP3 Polar Curves of 4000K at 85°



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PERFORMANCE DATA

PERFORMANCE DATA			4000K					4500K					5000K				
Lumen Package	Distribution	CRI	Delivered Lumens	Efficacy (LPW)	BUG Rating			Delivered Lumens	Efficacy (LPW)	BUG Rating			Delivered Lumens	Efficacy (LPW)	BUG Rating		
					B	U	G			B	U	G			B	U	G
60 watts	5 Type V	80	9727	161	3	1	2	10553	181	3	1	2	10112	168	3	1	2
80 watts	5 Type V	80	12299	156	3	1	2	13343	175	3	1	2	12786	163	3	1	2
100 watts	5 Type V	80	14466	148	3	3	1	15694	167	3	3	1	15039	155	3	3	1
105 watts	5 Type V	80	17741	169	4	3	1	18785	185	4	3	1	18536	177	4	3	1
120 watts	5 Type V	80	19825	164	4	3	2	20992	179	4	3	2	20714	171	4	3	2
150 watts	5 Type V	80	23471	164	4	3	2	24852	179	4	3	2	24523	172	4	3	2
160 watts	5 Type V	80	25579	161	4	1	3	27084	176	4	1	3	26725	169	4	1	3
180 watts	5 Type V	80	27092	152	4	1	3	28686	166	4	1	3	28306	159	4	1	3
200 watts	5 Type V	80	30786	160	5	1	3	32597	175	5	1	3	32166	167	5	1	3
200 watts	5 Type V	80	34448	165	5	3	2	34496	171	5	3	2	34741	168	5	3	2
225 watts	5 Type V	80	36570	157	5	3	2	36621	162	5	3	2	36881	159	5	3	2
250 watts	5 Type V	80	42022	168	5	3	3	42081	174	5	3	3	42379	171	5	3	3
240 watts	5 Type V	80	39736	167	5	2	3	42074	182	5	2	3	41517	175	5	2	3
275 watts	5 Type V	80	43566	164	5	2	3	46129	178	5	2	3	45518	171	5	2	3
300 watts	5 Type V	80	46801	162	5	2	3	49555	176	5	2	3	48898	169	5	2	3
325 watts	5 Type V	80	51179	150	5	3	3	54055	164	5	3	3	51307	150	5	3	3
385 watts	5 Type V	80	57003	142	5	3	3	60206	155	5	3	3	57146	143	5	3	3
450 watts	5 Type V	80	69231	157	5	3	3	73121	171	5	3	3	69404	157	5	3	3

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LUMEN MAINTENANCE TESTING DATA

LUMINAIRE AMBIENT TEMPERATURE FACTOR(LATF)		
Ambient Temp (℃)	(℉)	Lumen Multiplier
0℃	32℉	/
10℃	50℉	/
20℃	68℉	/
30℃	86℉	100%
40℃	104℉	98%
50℃	122℉	97%

ELECTRICAL DATA

Nominal Wattage	Input Voltage	Current Amps
60 watts	120	0.5
	208	0.29
	240	0.25
	277	0.22
	347	0.17
	480	0.13
80 watts	120	0.67
	208	0.38
	240	0.33
	277	0.29
	347	0.23
	480	0.17
100 watts	120	0.83
	208	0.48
	240	0.42
	277	0.36
	347	0.29
	480	0.21
105 watts	120	0.88
	208	0.5
	240	0.44
	277	0.38
	347	0.3
	480	0.22
120 watts	120	1
	208	0.58
	240	0.5
	277	0.43
	347	0.35
	480	0.25
150 watts	120	1.25
	208	0.72
	240	0.63
	277	0.54
	347	0.43
	480	0.31

Nominal Wattage	Input Voltage	Current Amps
160 watts	120	1.33
	208	0.77
	240	0.67
	277	0.58
	347	0.46
	480	0.33
180 watts	120	1.5
	208	0.87
	240	0.75
	277	0.65
	347	0.52
	480	0.38
200 watts	120	1.67
	208	0.96
	240	0.83
	277	0.72
	347	0.58
	480	0.42
200 watts	120	1.67
	208	0.96
	240	0.83
	277	0.72
	347	0.58
	480	0.42
225 watts	120	1.88
	208	1.08
	240	0.94
	277	0.81
	347	0.65
	480	0.47
250 watts	120	2.08
	208	1.2
	240	1.04
	277	0.9
	347	0.72
	480	0.52

Nominal Wattage	Input Voltage	Current Amps
240 watts	120	2
	208	1.15
	240	1
	277	0.87
	347	0.69
	480	0.5
275 watts	120	2.29
	208	1.32
	240	1.15
	277	0.99
	347	0.79
	480	0.57
300 watts	120	2.5
	208	1.44
	240	1.25
	277	1.08
	347	0.86
	480	0.63
325 watts	120	2.71
	208	1.56
	240	1.35
	277	1.17
	347	0.94
	480	0.68
385 watts	120	3.21
	208	1.85
	240	1.6
	277	1.39
	347	1.11
	480	0.8
450 watts	120	3.75
	208	2.16
	240	1.88
	277	1.62
	347	1.3
	480	0.94

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SENSOR OPERATIONS

FUNCTIONS AND OPTIONS

It offers 2 levels of light control: 100% brightness and dimming levels (0%, 25%, 50%, 75%); selectable time delay and adjustable detection area.

1.Plug in and switch on the LED lamp. The lamp will operate at 100% brightness.

2.After the warm-up time, the lamp will illuminate at 0–75% brightness according to your preset dim level (0%, 25%, 50%, 75%).

3.If motion is detected, the lamp will stay on at 100% brightness.

4.After the preset time delay (3 min / 10 min / 30 min / 1 hour):
a. If no motion is detected, the lamp will dim down to 0–75% brightness according to your preset level.
b. If motion is detected, the lamp will remain on at 100% brightness.

OPERATION

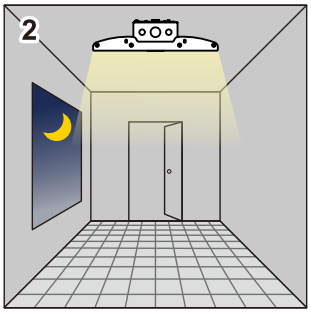
1.SENSITIVITY: Adjusts detection range. Turn clockwise to increase, anti-clockwise to decrease.
Detection range is 1m at "MIN" and 8m at "MAX".

2. TIME DELAY: Sets the hold time (duration the light remains at 100% brightness after last motion detection).
Selectable duration: 3 min / 10 min / 30 min / 1 hour.

3. DIM LEVEL: Sets the standby dimming level to 0% / 25% / 50% / 75% of full output.
Setting "DIM LEVEL" to 0% means the light turns fully off when vacant.



The light switches on at 100% when there is movement detected



The light dims to DIM LEVEL (75%, 50%, 25%, 0%) after the TIME DELAY

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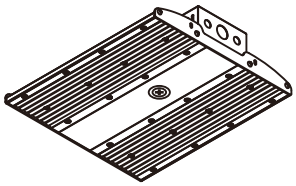
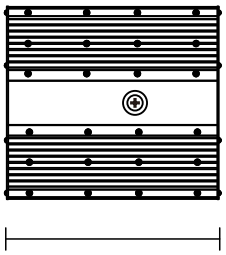
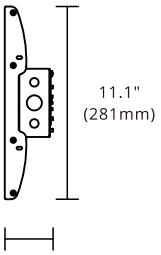
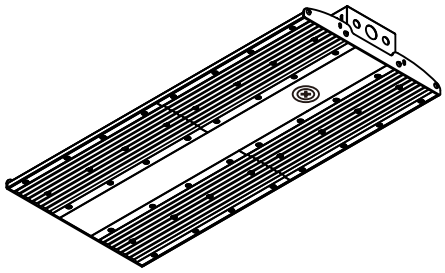
DIMENSIONS

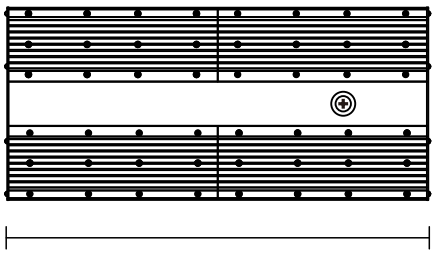


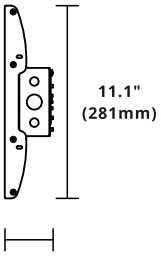




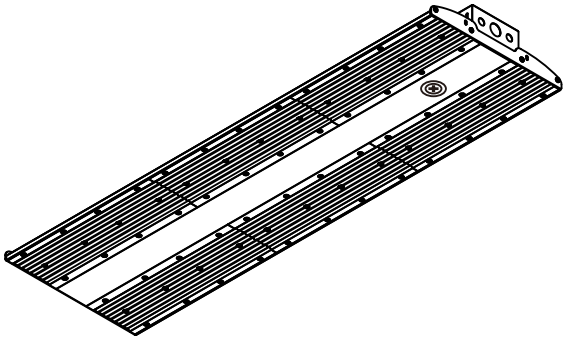
LumBAYPRIME 1

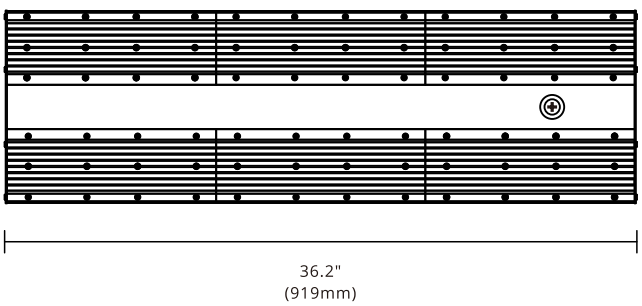


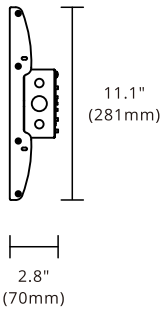




LumBAYPRIME 2







LumBAYPRIME 3

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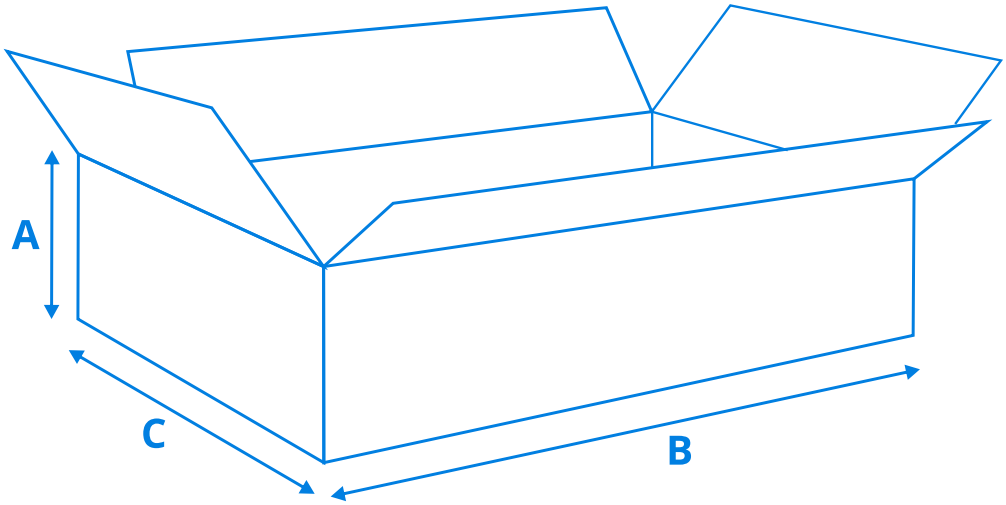
CARTON DIMENSIONS



Weights	Inner Carton				Master Carton				
Fixture Size	Inner Carton Weight LBS	Height A	Width B	Depth C	Carton Pack	Master Carton Weight LBS	Height A	Width B	Depth C
LBP1	1.6	5"	14 1/4"	13"	6pcs/ctn	13.2	17 1/8"	29 1/2"	13 1/2"
LBP2	/	/	/	/	1pc/ctn	2.3	5"	26 1/4"	13"
LBP3	/	/	/	/	1pc/ctn	3	5"	38 5/16"	13"

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