

### Features and Benefits

- Light source: 1 piece 4W AC LED
- Long LED life: More than 25,000 hours
- 60mm pear shape bulb
- Low heat, less than 55°C for 6W
- No UV or IR light radiation
- Instant “ON” to 100% brightness
- No mercury or other inorganic
- Highest luminous efficacy: up to **50lm/watt** for warm white color
- **High PFC  $\geq 0.90$**
- **Safest lamp: Whole lamp is electrically insulated**
- Homogeneous flood illumination
- Polymer heatsink with excellent thermal radiation power
- The 6W EcoDIM bulb is available in the following white color temperatures:  
2600K – 3000K (Warm White)  
4000K – 5000K (Natural White) – to be released  
5000K – 6000K (Cool White) – to be released
- 6W LED bulb can achieve directional light output equal to 40W incandescent bulb
- 2 year limited warranty (see page 7)
- Works with worldwide electrical systems (100/120V or 230V AC)



Note: Picture for illustration only



### Typical Applications

- Energy Saving Programs
- Sustainable Energy
- Replace Standard GLS lamps
- Accent Lighting
- Bath and Vanity Lighting
- Amusement Park Lighting

### DIMMING RANGE



**PRELIMINARY**

## PRODUCT SPECIFICATIONS

<b>LIGHT SOURCE</b>	1X4W AC power LED
<b>OPTICS</b>	White diffused glass lens
<b>BULB TYPE</b>	60 mm pear shape
<b>BEAM ANGLE</b>	138° (Flood)
<b>RENDERING INDEX (Ra)</b>	>80 (warm white) >75 (natural white) >70 (cool white)
<b>TOTAL LENGTH</b>	See product dimensions below
<b>WEIGHT</b>	90 ± 2g
<b>HEATSINK</b>	Molded thermal polymer with white or black color finish
<b>BASE TYPE</b>	E26 / E27 / B22
<b>DIMMABILITY</b>	Dimmable on any traic dimmers

## ENVIRONMENTAL SPECIFICATIONS

<b>TEMPERATURE RANGE</b>	Ambient: -20°C to 40°C; Surface of Lamp: 60°C to 70°C
<b>HUMIDITY RANGE</b>	0 to 95% non-condensing humidity

## ELECTRICAL SPECIFICATIONS

<b>VOLTAGE REQUIREMENT</b>	100/120V or 230V AC
<b>INPUT CURRENT</b>	40mA @120V or 23mA@230V
<b>POWER CONSUMPTION</b>	6W @ 120VAC and 6W @ 230VAC
<b>POWER FACTOR</b>	≥ 0.90

## PRODUCT DIMENSIONS (mm)

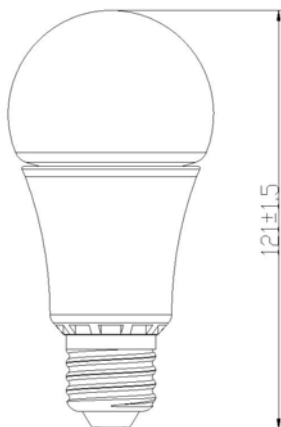


Fig 1. E27 Base

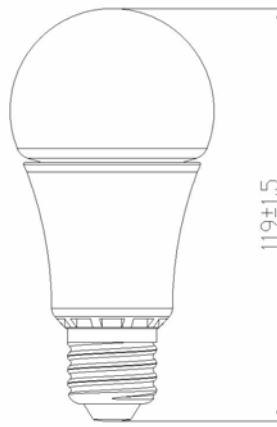


Fig 2. E26 Base

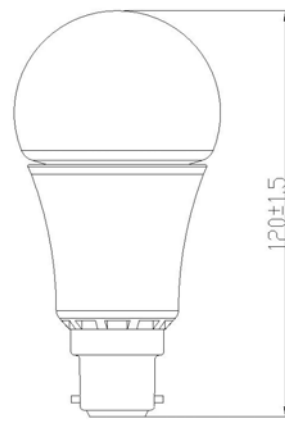


Fig 3. B22 Base

**PRELIMINARY**

**PRODUCT ORDERING CODE**

ORDER CODE	Color	Color Temp (°K)	Base Type	Operating Voltage	LED Power (W)	Typical Initial Luminous Flux (lm)	BEAM ANGLE
PS360WE266110/SAC	Cool White	5000K-6000K	E26	110 VAC	1X4W	N/A	135° ±2°
PS360NE266110/SAC	Natural White	4000K-5000K				N/A	
PS360VE266110/SAC	Warm White	2600K-3000K				300 lm ±5%	
PS360WE276230/SAC	Cool White	5000K-6000K	E27	230 VAC	1X4W	N/A	135° ±2°
PS360NE276230/SAC	Natural White	4000K-5000K				N/A	
PS360VE276230/SAC	Warm White	2600K-3000K				300 lm ±5%	
PS360WB226230/SAC	Cool White	5000K-6000K	B22	230 VAC	1X4W	N/A	135° ±2°
PS360NB226230/SAC	Natural White	4000K-5000K				N/A	
PS360VB226230/SAC	Warm White	2600K-3000K				300 lm ±5%	

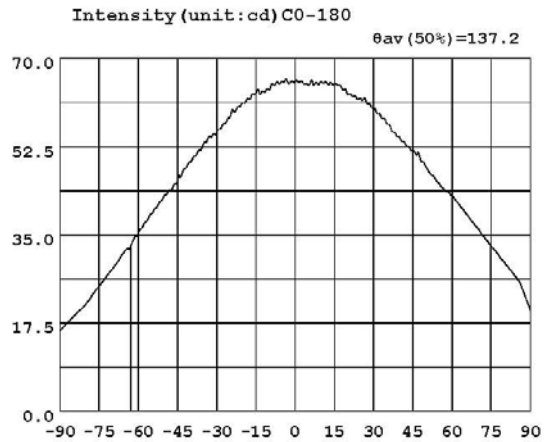
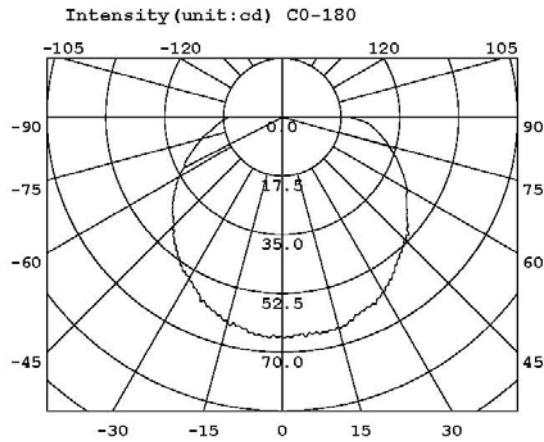
**Typical Electrical Characteristics at T<sub>a</sub>=25°C**
**6W Model**

Parameter	Symbol	Min	Typ	Max	Unit
Input Voltage (100/120V AC)	V <sub>AC</sub>	90	—	130	V(rms)
Lamp Input Current (@110VAC)	I <sub>F</sub>		40		mA(rms)
Input Voltage (230V AC)	V <sub>AC</sub>	200	—	240	V(rms)
Lamp Input Current (@230VAC)	I <sub>F</sub>	—	25	—	mA(rms)
Estimated Life <sup>[*]</sup>		—	25,000	—	hours
Optimized Body Temperature (1X4W AC LED)	T	—	55	65	°C

Note[\*] – Manufacturer projects EcoDIM lamp made with AC LED to maintain an average of 70% lumens maintenance after 25,000 hours. This estimation is made based on data from LED manufacturer

**PRELIMINARY**

### 230V Warm White LED Bulb Intensity (C0-180 plane) Measurement



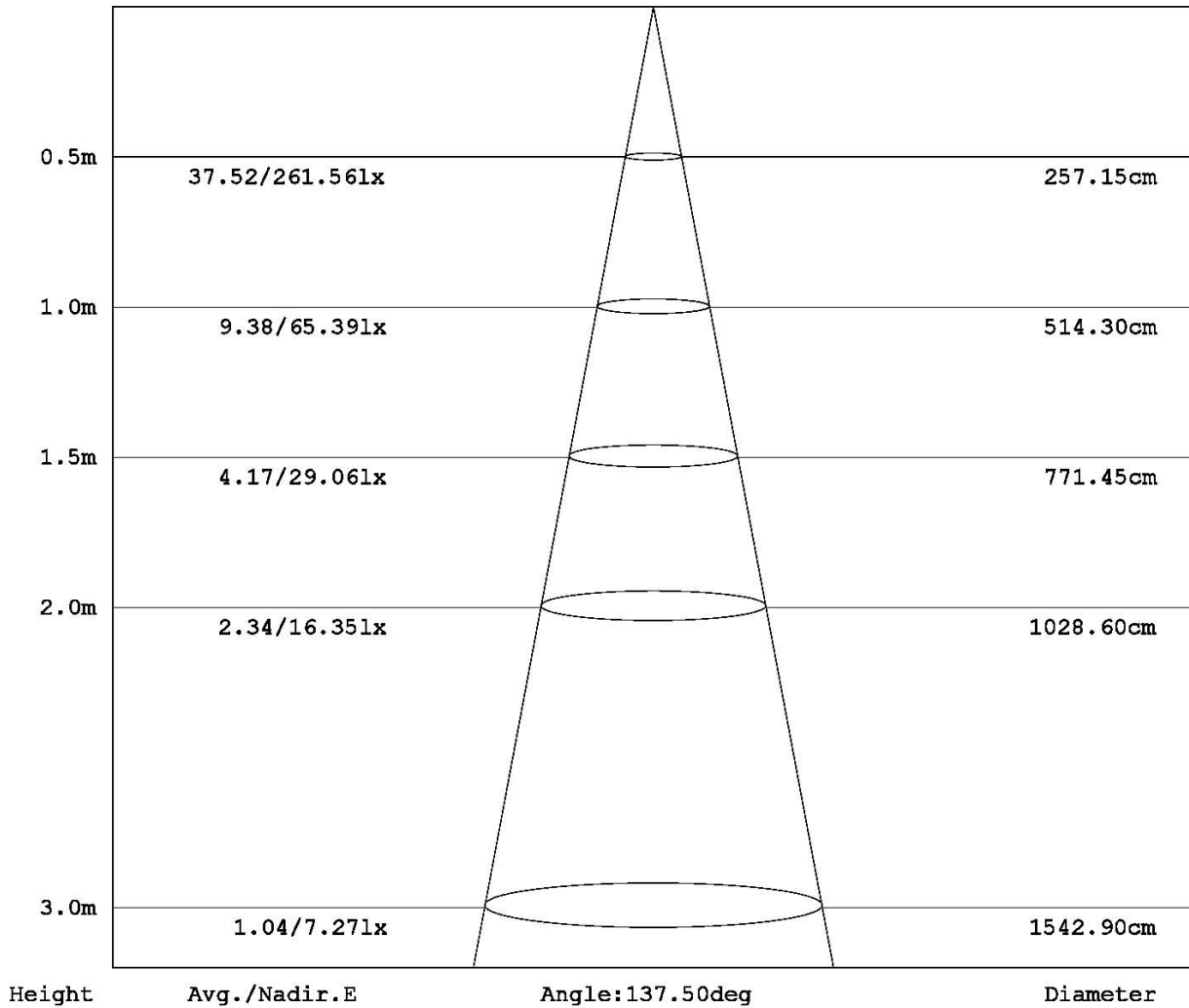
Intensity data: (deg , cd) C0-180

A	I	A	I	A	I	A	I	A	I	A	I
-90.0	15.98	-58.5	36.51	-27.0	57.07	4.5	65.01	36.0	56.93	67.5	37.80
-88.5	16.79	-57.0	37.61	-25.5	58.19	6.0	65.64	37.5	55.46	69.0	36.83
-87.0	17.62	-55.5	38.97	-24.0	59.95	7.5	64.92	39.0	54.50	70.5	35.92
-85.5	18.48	-54.0	40.02	-22.5	59.87	9.0	64.83	40.5	53.77	72.0	34.79
-84.0	19.23	-52.5	40.88	-21.0	60.57	10.5	65.22	42.0	53.18	73.5	33.79
-82.5	19.92	-51.0	41.82	-19.5	61.24	12.0	65.29	43.5	52.64	75.0	32.79
-81.0	20.70	-49.5	42.94	-18.0	62.03	13.5	65.21	45.0	51.75	76.5	31.95
-79.5	21.66	-48.0	43.99	-16.5	62.81	15.0	64.90	46.5	50.78	78.0	30.85
-78.0	22.70	-46.5	44.83	-15.0	63.12	16.5	64.72	48.0	49.86	79.5	29.85
-76.5	23.86	-45.0	45.76	-13.5	62.93	18.0	63.97	49.5	49.09	81.0	28.93
-75.0	24.81	-43.5	46.75	-12.0	63.46	19.5	63.69	51.0	47.73	82.5	27.94
-73.5	25.82	-42.0	48.25	-10.5	64.05	21.0	62.97	52.5	46.80	84.0	26.91
-72.0	26.87	-40.5	49.49	-9.0	64.88	22.5	62.50	54.0	45.74	85.5	25.90
-70.5	27.90	-39.0	50.39	-7.5	65.02	24.0	61.84	55.5	44.88	87.0	24.20
-69.0	28.89	-37.5	51.17	-6.0	65.04	25.5	61.76	57.0	44.12	88.5	22.14
-67.5	29.93	-36.0	51.96	-4.5	65.26	27.0	61.78	58.5	43.51	90.0	20.09
-66.0	31.24	-34.5	53.41	-3.0	65.53	28.5	61.02	60.0	42.79		
-64.5	32.20	-33.0	54.48	-1.5	65.55	30.0	60.12	61.5	41.81		
-63.0	32.74	-31.5	54.96	0.0	65.39	31.5	59.00	63.0	40.86		
-61.5	34.43	-30.0	55.35	1.5	65.25	33.0	58.29	64.5	39.97		
-60.0	35.31	-28.5	56.07	3.0	65.17	34.5	57.76	66.0	38.84		

Notes: 1) Briled Bulb intensity data is measured with the GO1900L Goniophotometer.

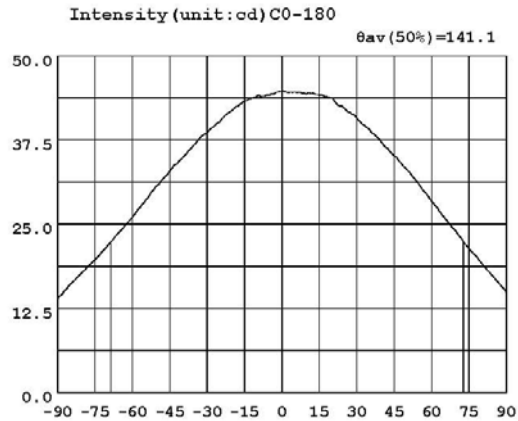
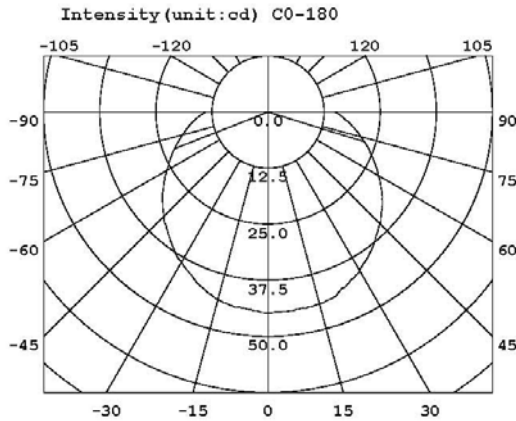
**PRELIMINARY**

## 230V Warm White LED Bulb Illuminance Measurement

**Average Illuminance Figure**


Notes: 1) BriLED Bulb average illuminance data is measured with the GO1900L Goniophotometer.

**PRELIMINARY**

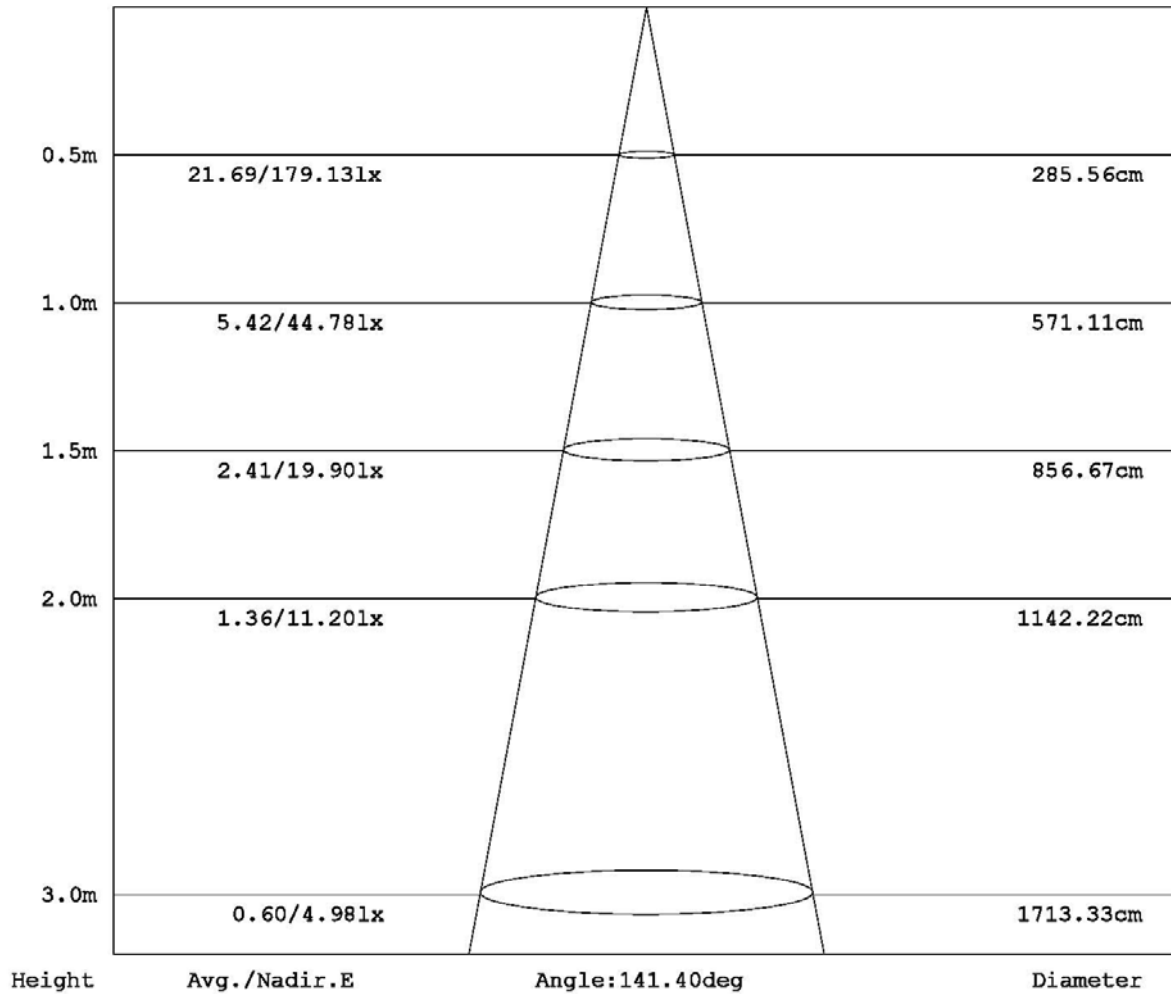
**110V Warm White LED Bulb Intensity (C0-180 plane) Measurement**


Intensity data: (deg , cd) C0-180

A	I	A	I	A	I	A	I	A	I	A	I
-90.0	13.97	-58.5	26.81	-27.0	39.62	4.5	44.62	36.0	38.65	67.5	24.87
-88.5	14.53	-57.0	27.46	-25.5	40.07	6.0	44.58	37.5	38.16	69.0	24.24
-87.0	15.16	-55.5	28.16	-24.0	40.72	7.5	44.57	39.0	37.61	70.5	23.56
-85.5	15.84	-54.0	28.84	-22.5	41.25	9.0	44.45	40.5	36.90	72.0	22.87
-84.0	16.41	-52.5	29.68	-21.0	41.68	10.5	44.49	42.0	36.33	73.5	22.07
-82.5	16.93	-51.0	30.36	-19.5	42.03	12.0	44.41	43.5	35.71	75.0	21.37
-81.0	17.49	-49.5	30.91	-18.0	42.51	13.5	44.31	45.0	35.11	76.5	20.81
-79.5	18.02	-48.0	31.59	-16.5	42.90	15.0	44.21	46.5	34.62	78.0	20.19
-78.0	18.63	-46.5	32.25	-15.0	43.28	16.5	44.16	48.0	33.98	79.5	19.46
-76.5	19.19	-45.0	32.89	-13.5	43.54	18.0	43.96	49.5	33.40	81.0	18.81
-75.0	19.74	-43.5	33.64	-12.0	43.69	19.5	43.81	51.0	32.77	82.5	18.13
-73.5	20.31	-42.0	34.02	-10.5	43.95	21.0	43.35	52.5	32.02	84.0	17.49
-72.0	20.95	-40.5	34.61	-9.0	44.12	22.5	42.69	54.0	31.38	85.5	16.85
-70.5	21.57	-39.0	35.25	-7.5	44.04	24.0	42.54	55.5	30.65	87.0	16.23
-69.0	22.24	-37.5	35.86	-6.0	44.21	25.5	42.01	57.0	29.91	88.5	15.63
-67.5	22.85	-36.0	36.46	-4.5	44.31	27.0	41.66	58.5	29.21	90.0	14.97
-66.0	23.52	-34.5	37.07	-3.0	44.40	28.5	41.28	60.0	28.42		
-64.5	24.10	-33.0	37.75	-1.5	44.66	30.0	40.81	61.5	27.76		
-63.0	24.75	-31.5	38.28	0.0	44.78	31.5	40.17	63.0	27.02		
-61.5	25.38	-30.0	38.66	1.5	44.67	33.0	39.71	64.5	26.30		
-60.0	26.05	-28.5	39.20	3.0	44.62	34.5	39.27	66.0	25.60		

Notes: 1) BriLED Bulb intensity data is measured with the GO1900L Goniophotometer.

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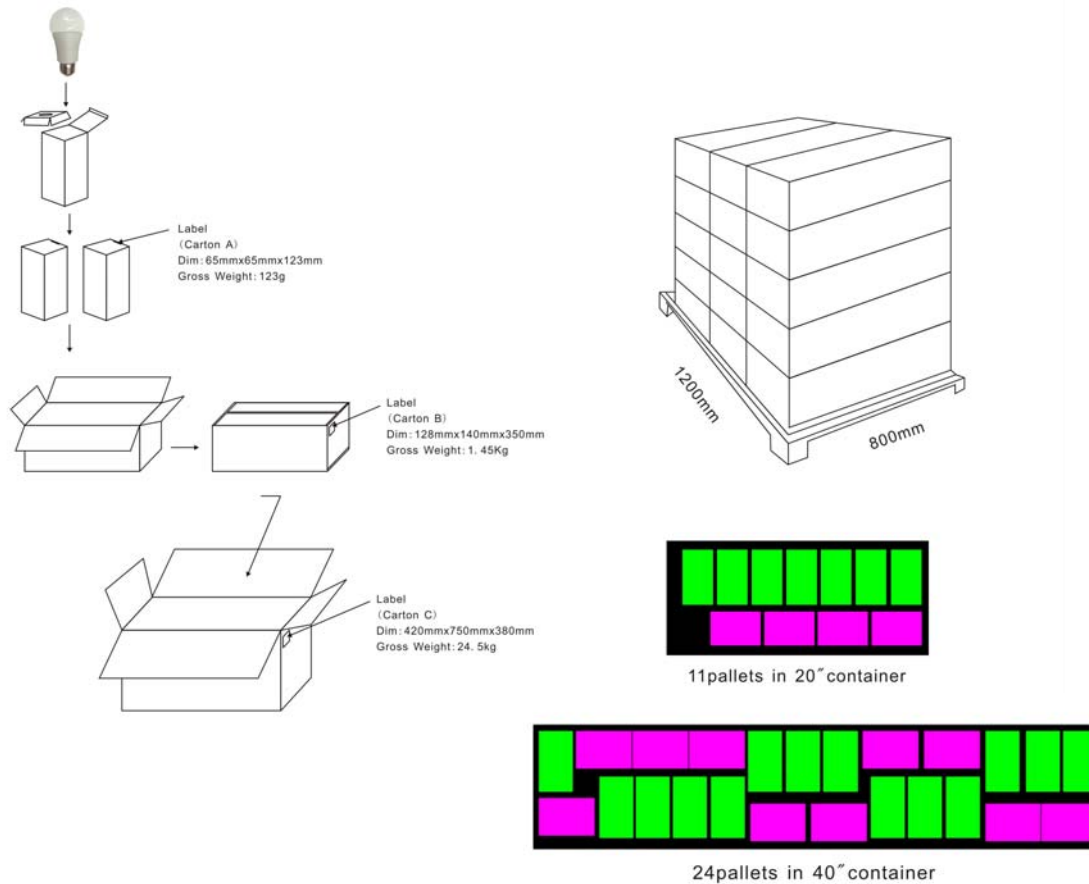
**110V Warm White LED Bulb Illuminance Measurement**
**Average Illuminance Figure**


Notes: 1) BriLED Bulb average illuminance data is measured with the GO1900L Goniophotometer.

**PRELIMINARY**



## LED Bulb Packaging Specification



Box A: 123mmX65mmX65mm	1pc/Box A
Carton B: 350mm X 140mm X 128mm	10 Boxes A/Carton B
Carton C: 380mm X 750mm X 420mm	5 Carton B/layer X 3 layers = 150pcs/Carton C
Pallet: 1200mm X 800mm X 80mm	3 Cartons C/layer, 5 layers/Pallet = 2250pcs/Pallet

### LIMITED WARRANTY

Manufacturer warrants to the Purchaser that each Product manufactured and sold by it will be free from defects in material and workmanship in its intended use (normal wear and tear excepted) for the period of two years from manufactured date. Manufacturer's warranty flows only to Purchaser. If any Product covered by this warranty is returned by Purchaser in accordance with Manufacturer's Products Return Policy, including without limitation its return authorization provisions, within the applicable warranty period set forth above, and upon examination Manufacturer determines to its satisfaction that such Product was defective in material or workmanship at the time of delivery to the Purchaser, Manufacturer will, at its option, repair or replace the Product or the defective part thereof, or reimburse Purchaser for the purchase price. For purposes of clarity, "repair or replace the Product or the defective part thereof" does not include any reinstallation costs or expenses. If Manufacturer chooses to replace the Product and is not able to do so because it has been discontinued or is not available, Manufacturer may replace it with a comparable product. The Products Return Policy is posted on Manufacturer's Internet web site at [http://www.brilliance-led.com/En\\_terms\\_conditions.asp](http://www.brilliance-led.com/En_terms_conditions.asp). The foregoing notwithstanding, Manufacturer will not be responsible for damage to any Product resulting from misuse, negligence, acts of God or accident or resulting from repairs or alterations made by any person or firm not duly authorized by Manufacturer in writing. Purchaser shall convey with each Product distributed to end users the MANUFACTURER'S LIMITED WARRANTY included by Manufacturer with such Product, and, if Manufacturer determines that the appropriate remedy for a defective product is refund of Purchaser's purchase price, Purchaser shall refund to the end user (or arrange for the refund to the end user of) the full purchase price paid by the end user for such defective Product.



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