

Features

- Light source: 1 pc 6.7W Mini-Zenigata LED
- Long LED life: More than 50,000 hours
- Low heat, less than 70°C for 7W
- No UV or IR light radiation
- Instant “ON” to 100% brightness
- No mercury or other inorganics
- Highest optical efficiency: 55Lm/watt for white color
- Homogeneous flood illumination
- Aluminum heat fins with excellent thermal efficiencies
- The BriLED bulb is available in the following white color temperatures:
 - 2600K – 3000K (Warm White)
 - 4000K – 5000K (Natural White)
 - 5000K – 6000K (Cool White)
- 7W LED bulb can achieve directional light output equal to 60W incandescent bulb
- 2 year limited warranty (see page 8)
- Works with worldwide electrical systems (110 or 230V AC)



Note: Picture for illustration only



Typical Applications

- Energy Saving Programs
- Sustainable Energy
- Replace Standard GLS lamps
- General Lighting

PRODUCT SPECIFICATIONS

LIGHT SOURCE	1X 6.7W Mini-Zenigata power LED
OPTICS	Optical grade glass lens
BULB TYPE	60 mm pear shape (PS)
BEAM ANGLE	120° (Flood)
RENDERING INDEX (Ra)	>70 (warm white) >65 (natural white) >65 (cool white)
TOTAL LENGTH	E27/E26: 117 mm; B22: 115mm (including base)
WEIGHT	112 ± 2g
HEATSINK	Extruded aluminum with silver anodize finish
DRIVER	KEMA approved, meet hi-pot test for 4KV@1 minute (UL: 1.75KV@1 minute)
BASE TYPE	E26 / E27 / B22 / E14
DIMMABILITY	Not Dimmerble

ENVIRONMENTAL SPECIFICATIONS

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

ELECTRICAL SPECIFICATIONS

VOLTAGE REQUIREMENT	110V or 230V AC
POWER CONSUMPTION	≤ 7W
POWER FACTOR	≥ 0.6

PRODUCT DIMENSIONS (mm)

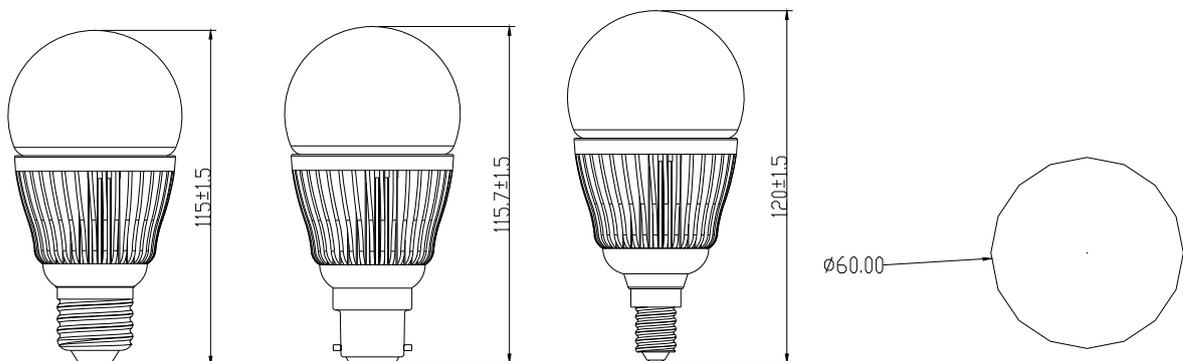


Fig 1. E26/E27 Side View

Fig 2. B22 Side View

Fig 3. E14 Side View

Fig 4. LED Bulb Top View

PRODUCT ORDERING CODE

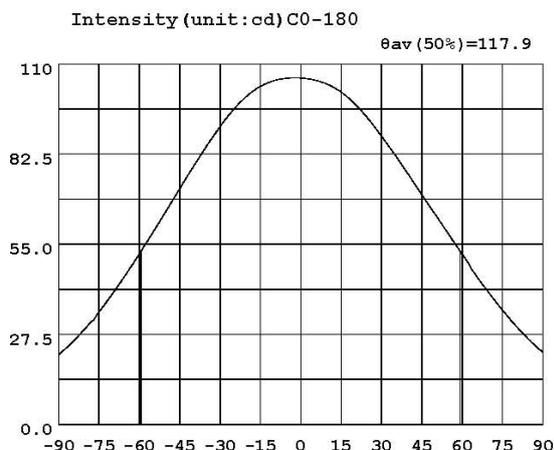
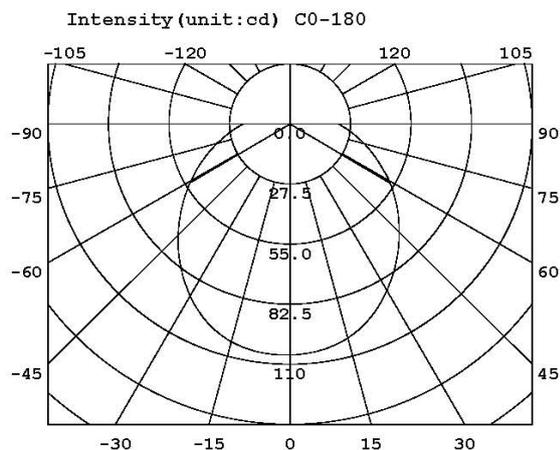
ORDER CODE	Color	CCT (K)	Base Type	Operating Voltage	LED Power (W)	Typical Luminous Flux (lm)	Typical Illuminance @ 2m (Lux)	BEAM ANGLE
PS60W-E27-7-110/S	Cool White	5000K~6000K	E27	110 VAC	1X6.7W	500 lm±5%	29	120° ±2°
PS60N-E27-7-110/S	Natural White	4000K~5000K				450 lm±5%	N/A	
PS60V-E27-7-110/S	Warm White	2600K~3000K				430 lm±5%	26	
PS60W-E27-7-220/S	Cool White	5000K~6000K		230 VAC		500 lm±5%	29	
PS60N-E27-7-220/S	Natural White	4000K~5000K				450 lm±5%	N/A	
PS60V-E27-7-220/S	Warm White	2600K~3000K				430 lm±5%	26	
PS60W-E26-7-110/S	Cool White	5000K~6000K	E26	110 VAC	1X6.7W	500 lm±5%	29	120° ±2°
PS60N-E26-7-110/S	Natural White	4000K~5000K				450 lm±5%	N/A	
PS60V-E26-7-110/S	Warm White	2600K~3000K				430 lm±5%	26	
PS60W-E26-7-220/S	Cool White	5000K~6000K		230 VAC		500 lm±5%	29	
PS60N-E26-7-220/S	Natural White	4000K~5000K				450 lm±5%	N/A	
PS60V-E26-7-220/S	Warm White	2600K~3000K				430 lm±5%	26	
PS60W-B22-7-110/S	Cool White	5000K~6000K	B22	110 VAC	1X6.7W	500 lm±5%	29	120° ±2°
PS60N-B22-7-110/S	Natural White	4000K~5000K				450 lm±5%	N/A	
PS60V-B22-7-110/S	Warm White	2600K~3000K				430 lm±5%	26	
PS60W-B22-7-220/S	Cool White	5000K~6000K		230 VAC		500 lm±5%	29	
PS60N-B22-7-220/S	Natural White	4000K~5000K				450 lm±5%	N/A	
PS60V-B22-7-220/S	Warm White	2600K~3000K				430 lm±5%	26	
PS60W-E14-7-110/S	Cool White	5000K~6000K	E14	110 VAC	1X6.7W	500 lm±5%	29	120° ±2°
PS60N-E14-7-110/S	Natural White	4000K~5000K				450 lm±5%	N/A	
PS60V-E14-7-110/S	Warm White	2600K~3000K				430 lm±5%	26	
PS60W-E14-7-220/S	Cool White	5000K~6000K		230 VAC		500 lm±5%	29	
PS60N-E14-7-220/S	Natural White	4000K~5000K				450 lm±5%	N/A	
PS60V-E14-7-220/S	Warm White	2600K~3000K				430 lm±5%	26	

Typical Electrical Characteristics at T_a=25°C
7W Model

Parameter	Symbol	Min	Typ	Max	Unit
Input Voltage (110V AC)	V _{AC}	100	—	120	V
Input Voltage (230V AC)	V _{AC}	200	—	260	V
LED Forward Current	I _F	—	600	—	mA
Estimated Life ^[*]		—	50,000	—	hours
Optimized Body Temperature (6.7W LED)	T	—	66	68	°C

Note[*] – Manufacturer projects BriLED lamp made with Sharp Zenigata LED to maintain an average of 70% lumens maintenance after 50,000 hours. This estimation is made based on data from LED manufacturer

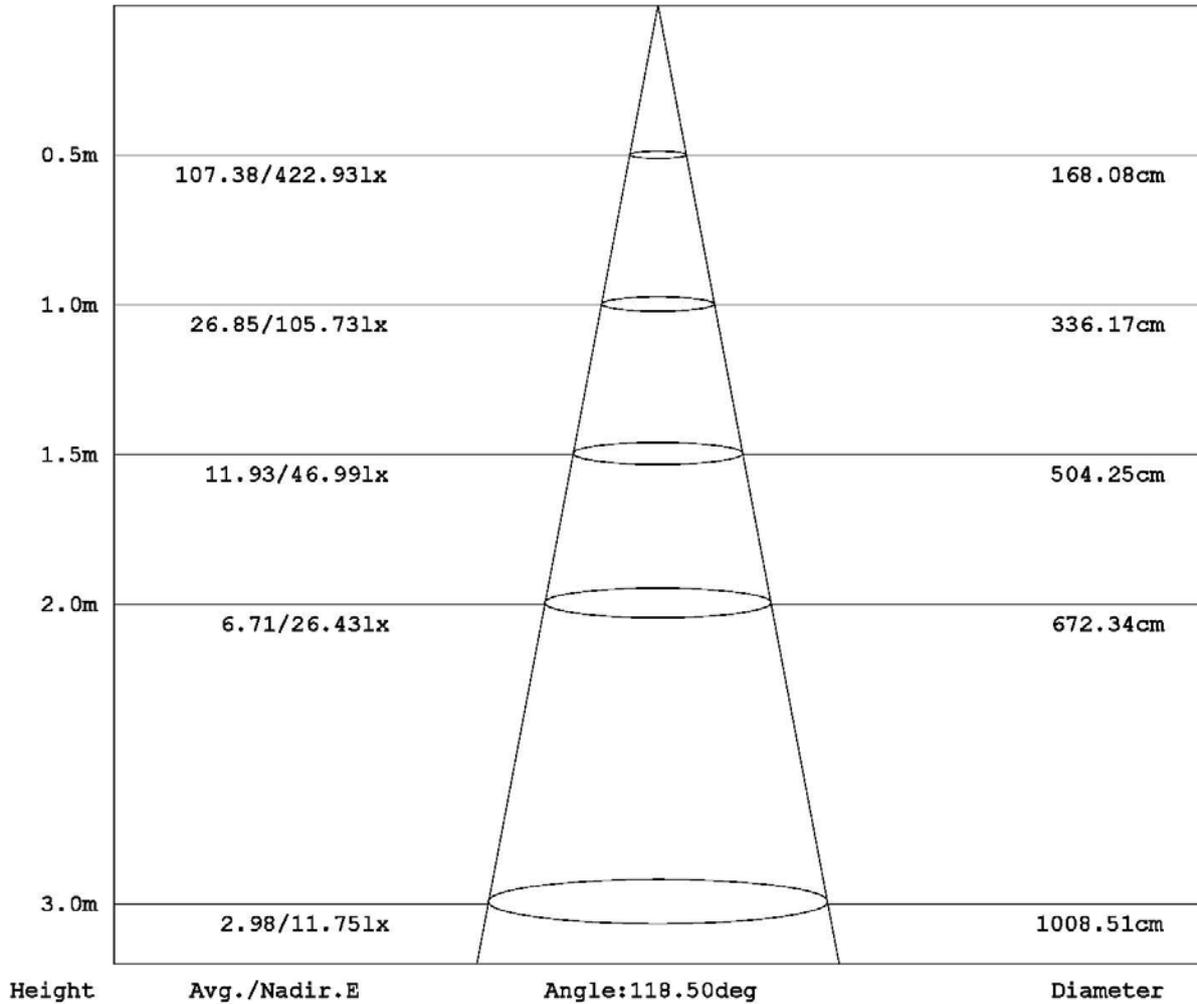
Warm White LED Bulb Intensity (C0-180 plane) Measurement



Intensity data: (deg , cd) C0-180

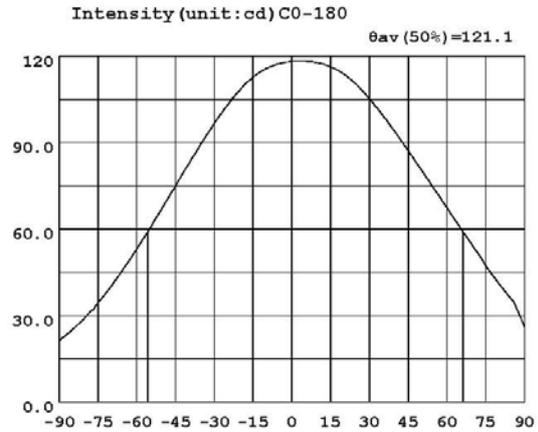
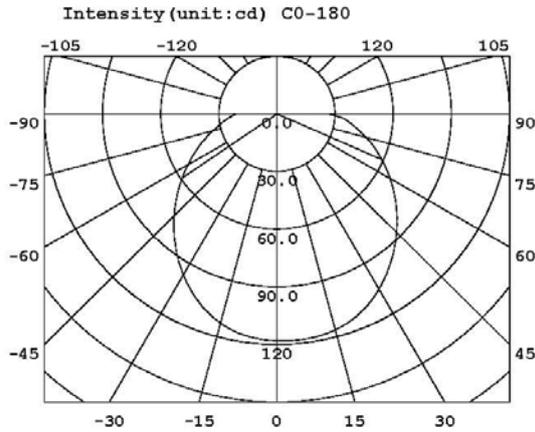
A	I	A	I	A	I	A	I	A	I	A	I
-90.0	21.31	-58.5	53.99	-27.0	94.11	4.5	105.2	36.0	81.11	67.5	42.82
-88.5	22.40	-57.0	55.93	-25.5	95.57	6.0	104.9	37.5	79.27	69.0	41.17
-87.0	23.49	-55.5	57.87	-24.0	97.02	7.5	104.5	39.0	77.44	70.5	39.56
-85.5	24.65	-54.0	59.85	-22.5	98.31	9.0	104.1	40.5	75.71	72.0	37.96
-84.0	25.87	-52.5	61.87	-21.0	99.48	10.5	103.5	42.0	73.80	73.5	36.39
-82.5	27.16	-51.0	63.89	-19.5	100.5	12.0	102.9	43.5	71.99	75.0	34.86
-81.0	28.48	-49.5	65.80	-18.0	101.5	13.5	102.2	45.0	70.14	76.5	33.40
-79.5	29.84	-48.0	67.87	-16.5	102.4	15.0	101.4	46.5	68.31	78.0	31.93
-78.0	31.28	-46.5	69.91	-15.0	103.1	16.5	100.5	48.0	66.47	79.5	30.52
-76.5	32.47	-45.0	71.94	-13.5	103.7	18.0	99.44	49.5	64.65	81.0	29.16
-75.0	34.38	-43.5	73.94	-12.0	104.3	19.5	98.30	51.0	62.86	82.5	27.86
-73.5	35.95	-42.0	75.97	-10.5	104.7	21.0	97.09	52.5	61.04	84.0	26.56
-72.0	37.63	-40.5	77.90	-9.0	105.1	22.5	95.77	54.0	59.19	85.5	25.33
-70.5	39.28	-39.0	79.87	-7.5	105.3	24.0	94.35	55.5	57.38	87.0	24.16
-69.0	41.01	-37.5	81.78	-6.0	105.5	25.5	92.84	57.0	55.57	88.5	23.07
-67.5	42.74	-36.0	83.69	-4.5	105.7	27.0	91.27	58.5	53.81	90.0	21.97
-66.0	44.59	-34.5	85.56	-3.0	105.7	28.5	89.64	60.0	51.97		
-64.5	46.40	-33.0	87.35	-1.5	105.7	30.0	88.01	61.5	50.25		
-63.0	48.23	-31.5	89.11	0.0	105.7	31.5	86.29	63.0	48.16		
-61.5	50.11	-30.0	90.85	1.5	105.6	33.0	84.59	64.5	46.23		
-60.0	52.02	-28.5	92.57	3.0	105.4	34.5	82.87	66.0	44.49		

Warm White LED Bulb Illuminance Measurement

Average Illuminance Figure


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

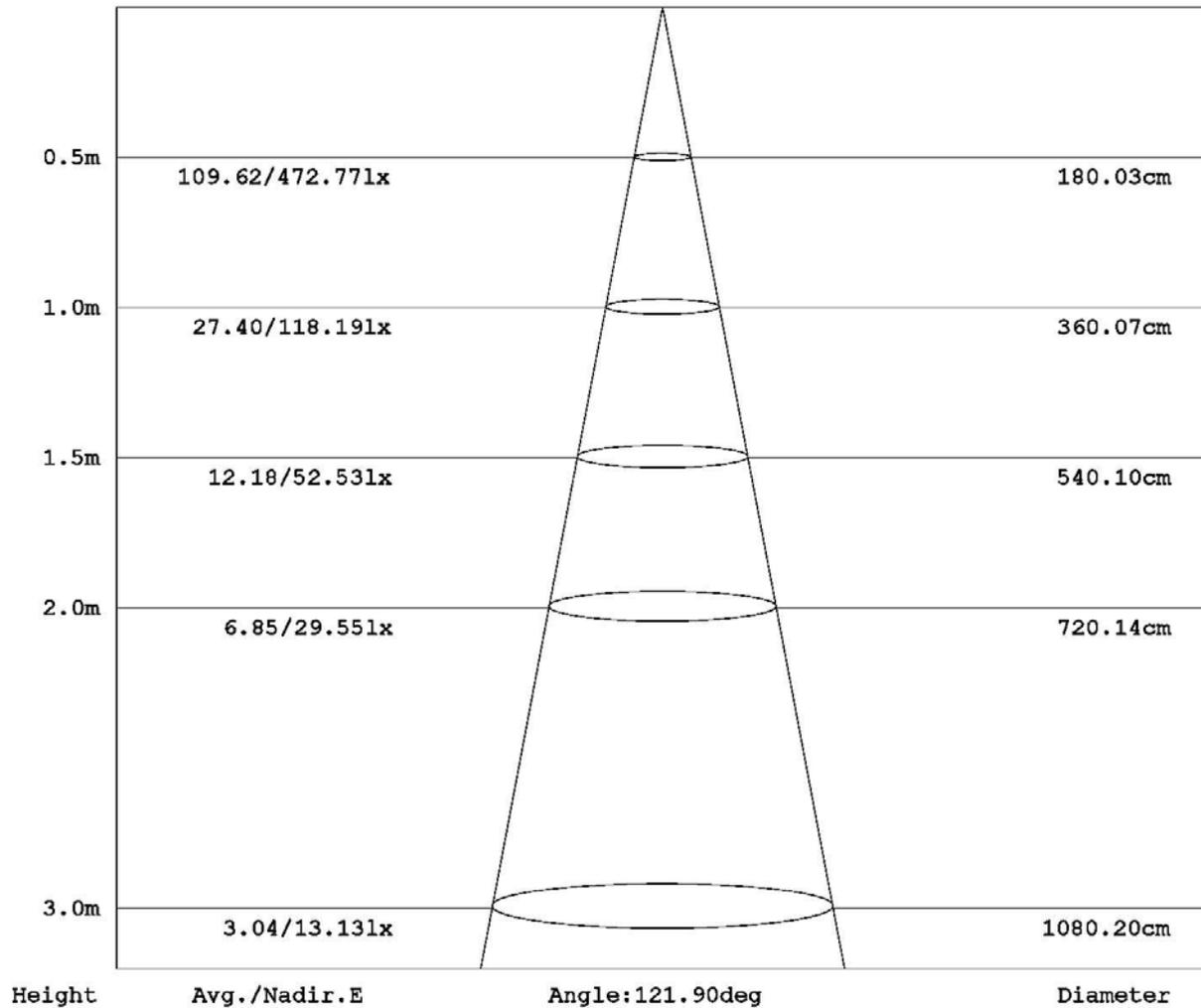
Cool White LED Bulb Intensity (C0-180 plane) Measurement



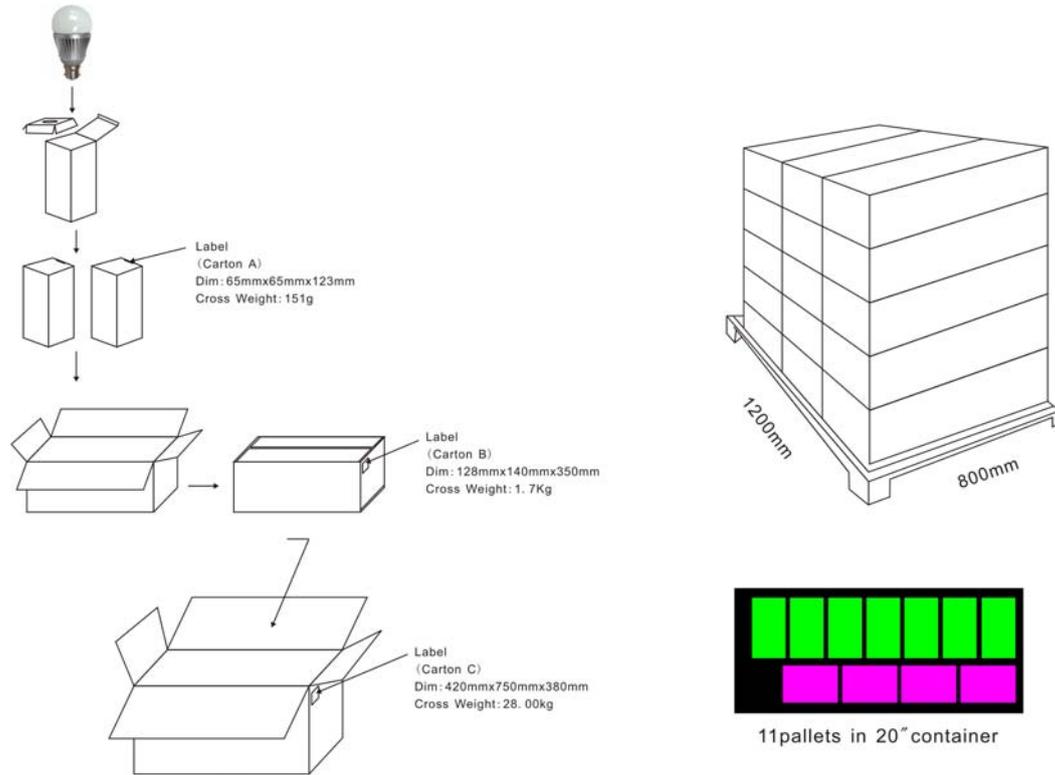
Intensity data: (deg , cd) C0-180

A	I	A	I	A	I	A	I	A	I	A	I
-90.0	21.44	-58.5	55.29	-27.0	100.4	4.5	118.2	36.0	98.54	67.5	57.55
-88.5	22.50	-57.0	57.39	-25.5	102.4	6.0	118.1	37.5	96.70	69.0	55.61
-87.0	23.59	-55.5	59.48	-24.0	104.0	7.5	118.0	39.0	94.91	70.5	53.52
-85.5	24.73	-54.0	61.73	-22.5	105.8	9.0	117.8	40.5	93.04	72.0	51.68
-84.0	25.95	-52.5	63.98	-21.0	107.4	10.5	117.6	42.0	91.13	73.5	49.71
-82.5	27.21	-51.0	66.17	-19.5	108.8	12.0	117.3	43.5	89.19	75.0	47.38
-81.0	28.52	-49.5	68.32	-18.0	110.3	13.5	116.8	45.0	87.28	76.5	45.51
-79.5	29.90	-48.0	70.55	-16.5	111.5	15.0	116.2	46.5	85.33	78.0	43.70
-78.0	31.35	-46.5	72.88	-15.0	112.7	16.5	115.6	48.0	83.28	79.5	41.92
-76.5	32.56	-45.0	75.13	-13.5	113.7	18.0	115.0	49.5	81.37	81.0	40.18
-75.0	34.50	-43.5	77.34	-12.0	114.6	19.5	114.1	51.0	79.42	82.5	38.47
-73.5	36.09	-42.0	79.67	-10.5	115.4	21.0	113.2	52.5	77.45	84.0	36.78
-72.0	37.80	-40.5	81.80	-9.0	116.1	22.5	112.1	54.0	75.40	85.5	35.12
-70.5	39.56	-39.0	84.03	-7.5	116.6	24.0	110.9	55.5	73.43	87.0	32.55
-69.0	41.40	-37.5	86.09	-6.0	117.1	25.5	109.7	57.0	71.46	88.5	29.47
-67.5	43.26	-36.0	88.37	-4.5	117.4	27.0	108.3	58.5	69.47	90.0	26.38
-66.0	45.18	-34.5	90.46	-3.0	117.8	28.5	106.8	60.0	67.46		
-64.5	47.13	-33.0	92.66	-1.5	117.9	30.0	105.3	61.5	65.37		
-63.0	49.14	-31.5	94.58	0.0	118.1	31.5	103.6	63.0	63.39		
-61.5	51.11	-30.0	96.71	1.5	118.2	33.0	102.0	64.5	61.51		
-60.0	53.18	-28.5	98.64	3.0	118.2	34.5	100.3	66.0	59.42		

Cool White LED Bulb Illuminance Measurement

Average Illuminance Figure


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. 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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Patents Pending Product
7W BriLED-KG3 Mini-Zenigata Rev. 1.0a
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