

# T-type-LED Lamp

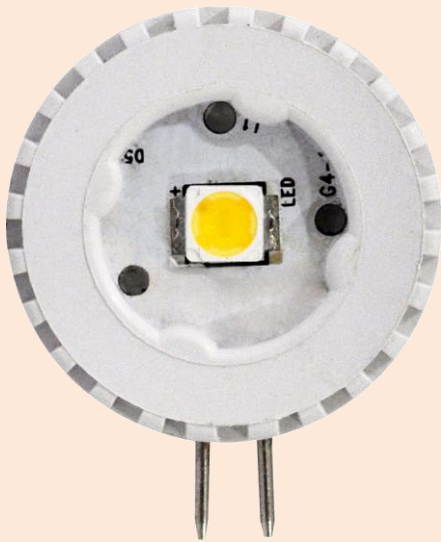
## G4 Mark II -1.8W

### (1X1.3W LED)

### G4.0

• General Spec

• Optical Spec

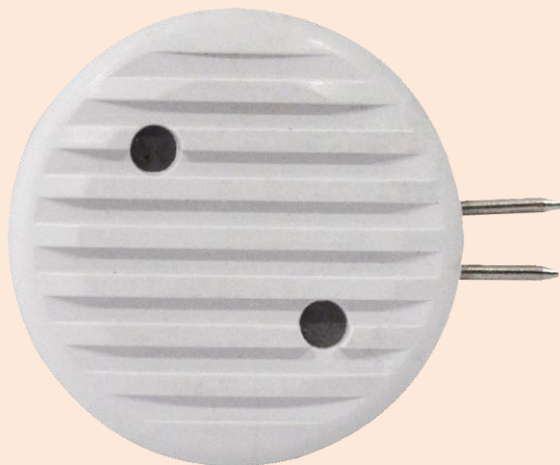
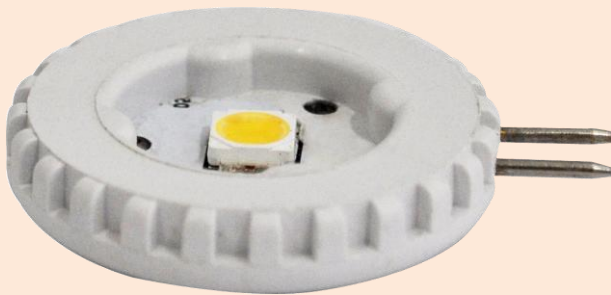


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## T-type-LED Lamp-G4 Mark II

- Most advanced LED source : Nichia, Cree or Lumileds.
- Professional design to efficiently work components of power, thermal solutions and optics
- Reliable quality and flexible leadtime
- CRI(RA): Warm White +80 / +90 (optional)  
Neutral White +80 / +90 (optional)  
Cool White +70 / +80 (optional)
- Available White : Warm White 2,580~3,600K CCT / Neutral White 4,000~4,500K CCT / Cool White 4,700~7,000K CCT (Color bins 150K tolerance available when ordering)
- Long lifetime : Min 20,000 hours, Typical 40,000 hours



## Electrical Specification

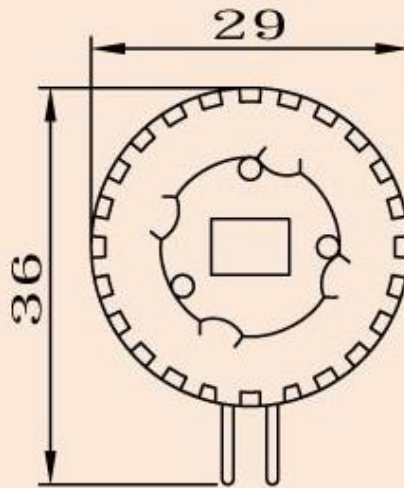
Part Number	BLTG440XX-NX2L		BLTG440XX-CX2L		
LED Type					
Color	Cool White	Warm White	Cool White	Netural White	Warm White
Color Temperature	4700K~7000K	2580K~3600K	4700K~7000K	4000K~4500K	2580K~3600K
MIN C.R.I.	+70 / +80 (optional)	+80 / +90 (optional)	+70 / +80 (optional)	+80 / +90 (optional)	
Luminous Flux Of Lamp (lm)	80	74	---	---	---
Efficiency Lumens/Watt (lm/W)	57	53	---	---	---
Operating Voltage (V)	AC/DC 12V				
Power Consumption +/-10% (W)	1.4W (MAX. 1.8W)				
Beam Angle	D120 113°		D120 ---		
Base Type	G4.0				
Operating Temperature	-20°~+40°C				

## Luminaire Notice

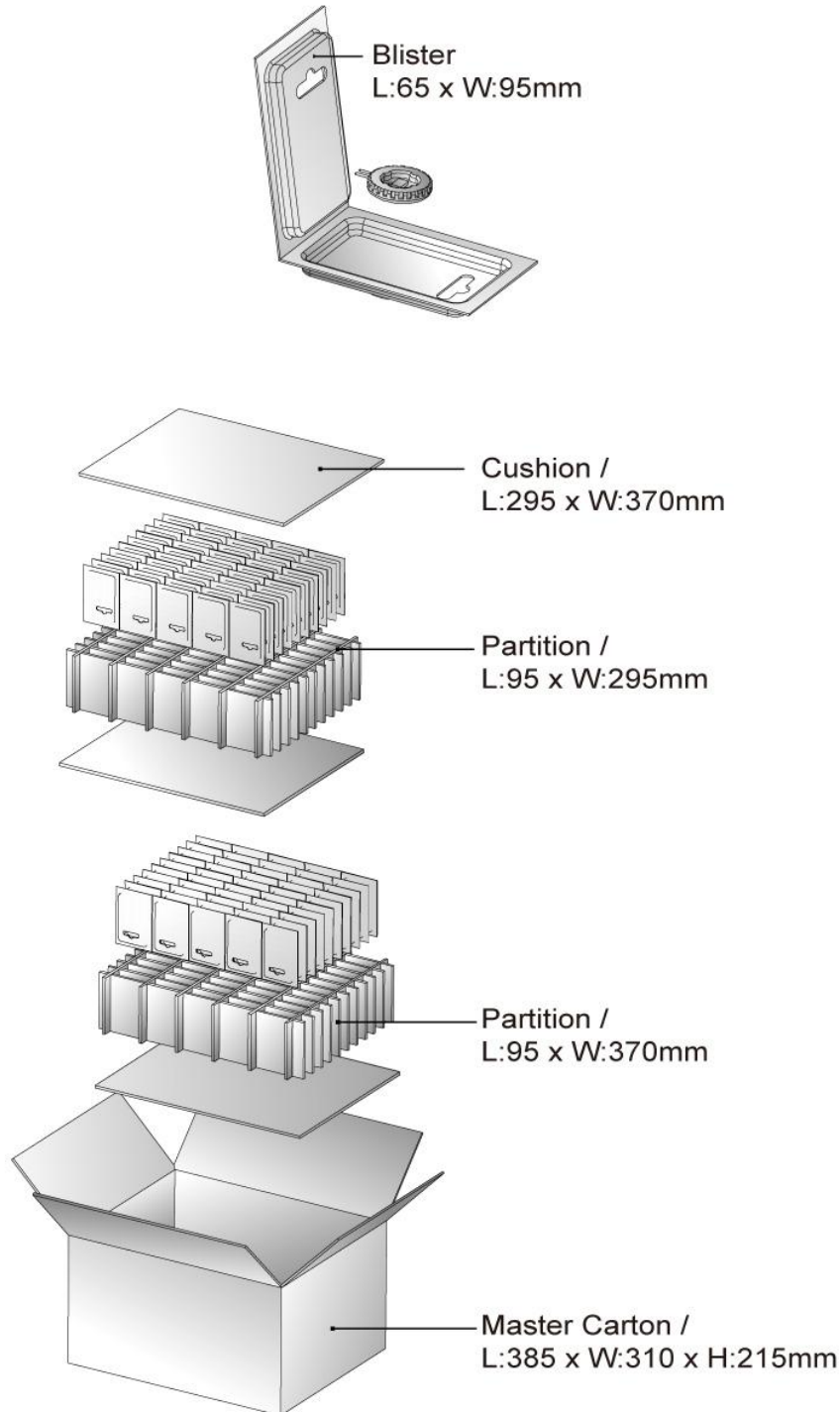
The T-type G4 MarkII is not compatible with all luminaires for halogen lamps. Before installation, please read following guidelines:

- No sealed fixtures.
- Not for outdoor fixtures.
- Not for wet environment except IP65 version.
- Not for integral primary optics.

## Mechanical Dimension (mm)



## Product Packing Type- G4 MarkII



In 1 Master Carton

In 1 Layer

In 1 Blister

2 layers (100 Blisters)

50 Blisters in 1 Layer

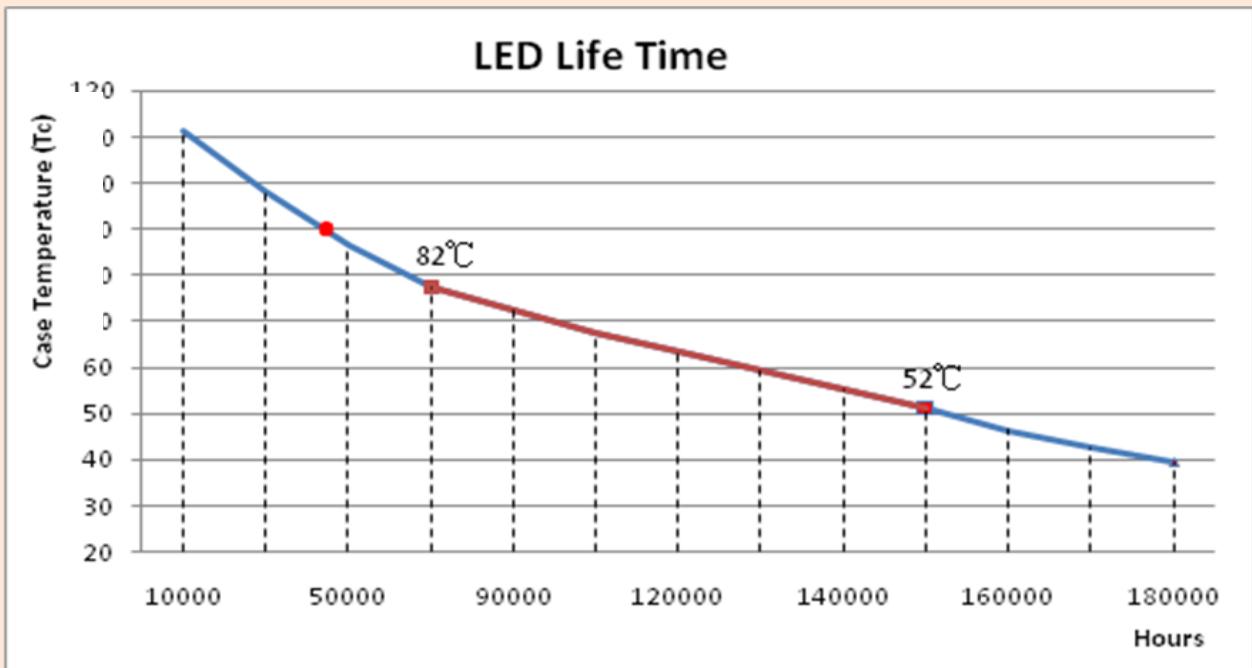
1pc of Lamp

## Lamp Life Definition

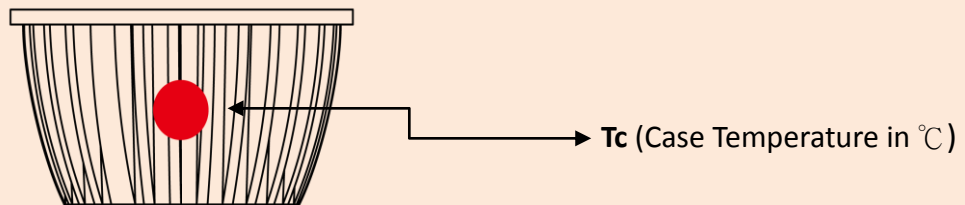
LED lumen output depreciation is affected by a variety of environmental conditions such as air temperature around the fixture, humidity and ventilation. When used under optimal conditions, we can estimate the life of lamps via its Lamp-Case temperature with LED junction temperature and LED driver temperature.

Temperature Characteristic chart analysis of BLTC T TYPE G4II is as below:

We can estimate the life of lamp via the temperature chart. For example, when Lamp-Case temperature is 90°C, the life of LED driver is 80000 hours, the life of LED luminous maintenance (L70) is 45000 hours. Thus, we can clearly understand that the minimum life of lamp is over 45000 hours, when the Lamp-Case temperature is 90°C



The life of LED chip is defined by (L70) : Achieving LED life with 70% of initial full flux.



Due to different design of thermal solution and power consumption on each BLTC lamp,, different models will have different life time even in the same working environment. Please refer to related product datasheet for a correct lamp life evaluation.




## B.L.T.C. Principles of Ordering Number for Bulbs

BL T G4 40 X - X X 2 L  
1 2 3 4 5 6 7 8 9

5. Optics	
N15	07° ~11° (MR16, PAR16, PAR30, AR111, PAR36, PAR38)
N25	14° ~24° (MR16, PAR16, PAR30, AR111, PAR36, PAR38)
N40	22° ~25° (MR16, PAR16, PAR20, PAR30, AR111, PAR36, PAR38)
N60	28° ~30° (MR16, PAR16, PAR30, AR111, PAR36, PAR38)
N80	45° ~52° (MR16, PAR16, PAR30, AR111, PAR36, PAR38)
SS	10° ~22° (MR16, PAR16, PAR20, PAR30, AR111, PAR38, B55, B75)
M	15° ~35° (MR16, PAR16, PAR20, PAR30, AR111, PAR38, B55, B75)
W	29° ~46° (MR16, PAR16, PAR20, PAR30, AR111, PAR38, B55, B75)
WD	39° ~51° (PAR30, AR111, PAR38, B55, B75)
WW	60° (PAR20, PAR30, AR111, PAR38, B55)
S40	45° (MR11)
S60	40° (MR16)
	15° ~67° (PAR30)
D120	70° ~100°
BB	>130° (A50, A60, A70, Candle light) color : transparent (clear cover)
CC	>130° (A50, A60, A70, Candle light) color : white (opaque cover)
6.LED Brand	
C	Cree
N	Nichia
L	Lumiled
O	Everlight , Prolight
7.Color	
R	Red
G	Green
B	Blue
A	Amber
W	Cool White
NW	Neutral White
WW	Warm White
RGBW	Color Changing

## Safety & Environment Specifications

T-type G4 bulbs are manufactured to conform to the following safety approbation.

Certificated Mark	Items of certificated standard
	EMC: EN55015, EN61000-3-2, EN61000-3-3, EN61547 (IEC61000-4-2, IEC61000-4-3, IEC61000-4-4, IEC61000-4-5, IEC61000-4-6, IEC61000-4-8, IEC61000-4-11) LVD: EN60968, EN61347-1, EN61347-2-13, EN60598-1, EN60598-2-4
	Part18 Subpart C
VCCI	CISPR22 ClassB 10M Radiation
REACH	Regulation (EC) No.1907/2006: (REACH) Article 33
	Directive 2002/95/EC (RoHS) and corresponding amendment directives

