

# LED Tube B2C –T8 2 feet 4000K B1

Authorized Licensee for TOSHIBA trademark



## 1. Specification:

### A. General Data

<b>Model</b>	T8 2 feet 4000K B1
<b>Product Code</b>	00301760021A
<b>P/N</b>	MMR-T84060960-G1
<b>Rated Voltage</b>	220~240 VAC
<b>Frequency</b>	50 Hz
<b>Rated Wattage</b>	9.5 W
<b>Deviation Tolerance of Wattage</b>	±10 %
<b>Maximum Lamp Current</b>	41mA
<b>LED Driving Current</b>	94mA
<b>Power Factor (Input 230V, 50Hz)</b>	>0.9
<b>Start On</b>	<0.5S
<b>Dimmable</b>	NO
<b>Beam Angle</b>	150°
<b>EEL</b>	0.14
<b>Energy Class</b>	A+
<b>Safety requirements</b>	CE
<b>Applicable Environments</b>	Dry locations
<b>Incandescent Equivalent</b>	N/A
<b>Base</b>	G13

B. Light Data

<b>Color</b>	Neutral White
<b>Color Temperature (CCT)</b>	4000 K
<b>Rated Lumen Output*</b>	900 lm
<b>Color Rendering Index*</b>	80
<b>Efficacy*</b>	95 lm/W
<b>Color Consistency**</b>	6 Step MacAdam Ellipse (6 SDCM)

\* tolerance +/- 10% \*\* 4000K center point (0.380, 0.377)

C. Lifetime

(Supplied Voltage: AC230V; Ambient Temperature: 15°C~40°C)

<b>Lumen Maintenance Factor</b>	70% of the rated lifetime
<b>Rated Lifetime – L<sub>70</sub>B<sub>50</sub></b>	40,000 hrs
<b>Switching Cycles</b>	≥ 25,000

D. Temperature Operation

<b>Normal operation temperature</b>	-10°C ~ 50°C
<b>Relative Humidity</b>	10 ~ 90%

E. Geometric Data

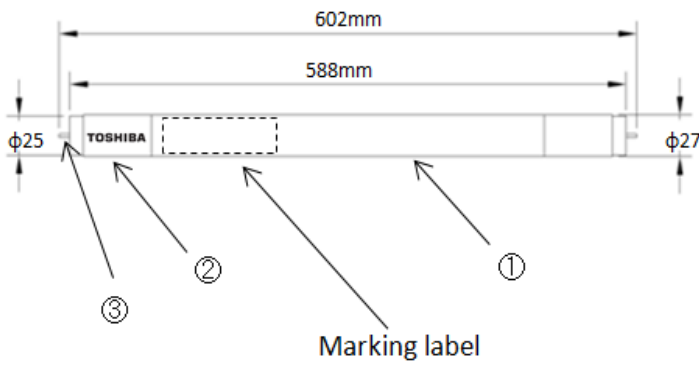
<b>Maximum overall length</b>	602 ± 2 mm ( 23.71 ± 0.08 inch )
<b>Maximum diameter</b>	Φ 27 ± 1 mm ( 1.063 ± 0.04 inch )
<b>Mass</b>	131 ± 6 g

F. Environmental relevant materials

<b>Mercury (Hg)</b>	Comply with RoHS Directive 2011/65/EU
<b>Lead (Pb)</b>	
<b>Cadmium(Cd)</b>	
<b>Hexavalent Chromium(Cr6+)</b>	
<b>Polybrominated Biphenyls(PBBs)</b>	
<b>Polybrominated Diphenyl Ethers(PBDEs)</b>	

## 2. Outline Drawing

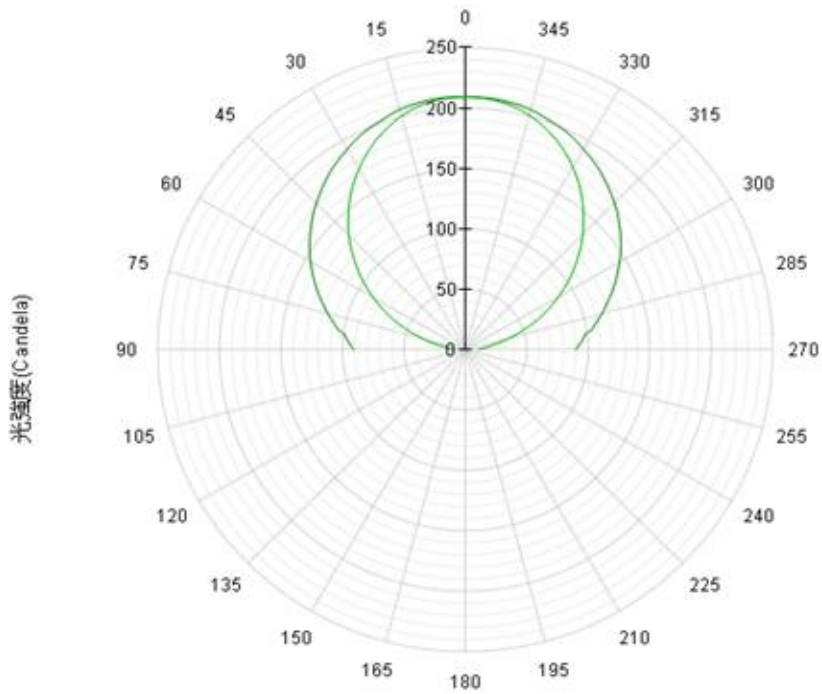
Unit : mm



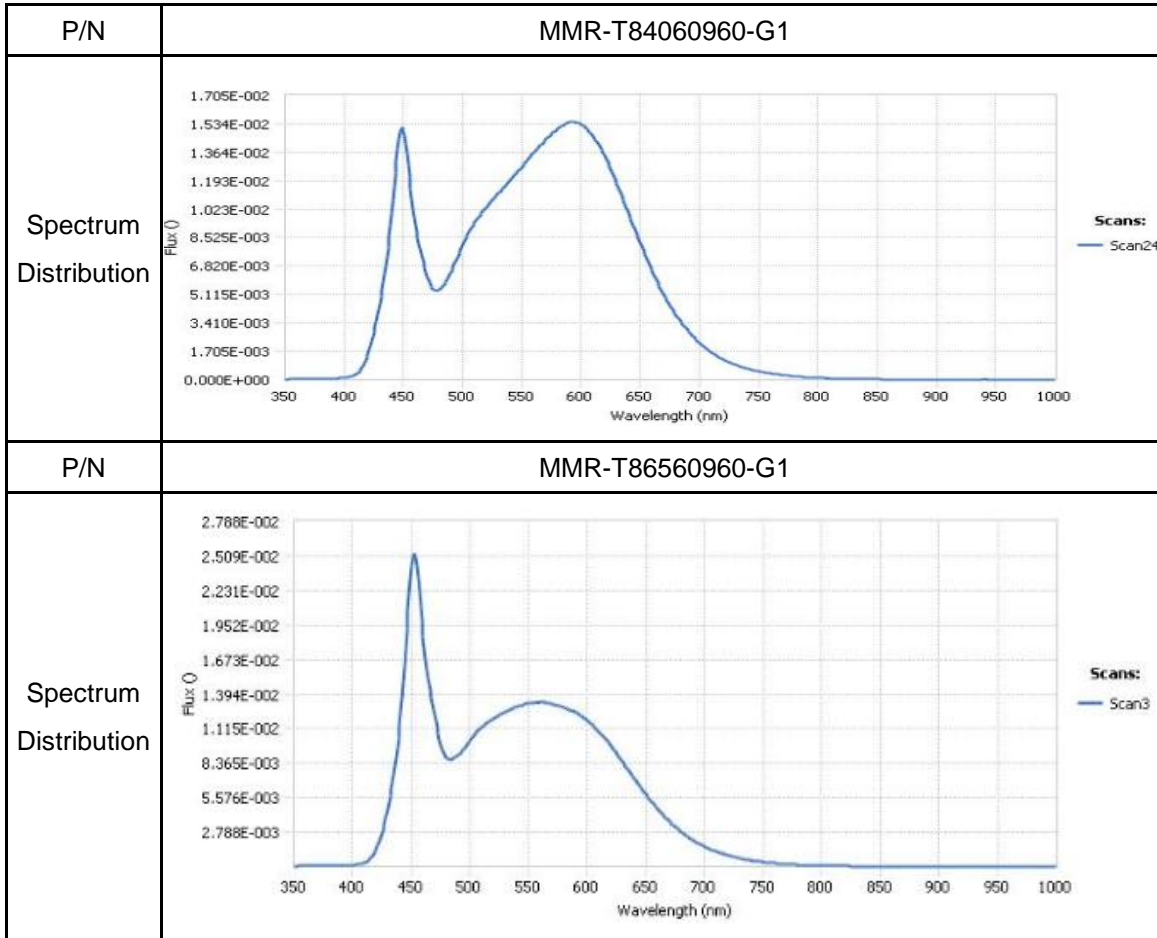
### Material Information

- 1. Cover : Plastic
- 2. Cap : Metal
- 3. G13 Pin : Metal

## 3. Light Distribution Curve



## 4. Spectrum Distribution



## 5. Warnings

Before replacing, turn off power and let lamp cool to avoid electrical shock or burn.

## 6. Cautions

Only to apply in dry or damp locations and most of open fixtures with lamp-holders that offer sufficient space (10 mm free air space). Not intended for use with emergency light fixtures or exit lights.

## 7. Notes

All characteristics are estimated at room temperature (25°C), free air burning, base up burning position and at rated voltage. In view of the complex manufacturing process for light above for the technical LED parameters are merely statistical values that do not necessarily correspond to the actual technic individual products may vary from the typical values.

## 8. Logistic information

<b>Model</b>	T8 2 feet 4000K B1
<b>Pieces per pack</b>	1
<b>Product Code</b>	00301760021A
<b>EAN code on pack</b>	4712947600217
<b>Size of pack</b>	682x35x35 mm
<b>Weight per pack (G.W)</b>	0.19 kg
<b>Packs per inner box</b>	N/A
<b>EAN code on inner box</b>	N/A
<b>ITF code on inner box</b>	N/A
<b>Size of inner box</b>	N/A
<b>Weight per inner box(G.W)</b>	N/A
<b>Packs per outer box</b>	10
<b>ITF code on outer box</b>	14712947600214
<b>Size of outer box</b>	719x203x82 mm
<b>Weight per outer box(G.W)</b>	2.2 kg

## 9. Conformity

<b>2014/35/EU; Low Voltage Directive</b>	EN 62776: 2015 、 EN 62471: 2008 、 EN 62493: 2010
<b>2014/30/EU; EMC Directive</b>	EN 55015: 2013 、 EN 61547: 2009 EN 61000-3-2: 2014 、 EN 61000-3-3: 2013
<b>2009/125/EC; ErP Directive</b>	EU Regulation 244/2009 、 874/2012 、 1194/2012
<b>2011/65/EU; RoHS Directive</b>	EN 50581: 2012

## **10. Business Scheme (Countries)**

### A. Applicable countries

France, Italy, Belgium, Spain, Morocco, Portugal, Netherlands, Luxembourg, Germany, Turkey, Greece, Austria, Switzerland, Bulgaria, Poland, Hungary, Israel, Sweden, Norway, Ireland, England

Note : The requirement of each country will be reflected to the product specifications, when the products will be shipped to such country.

### B. Manufacture

Unity Opto Technology Co., Ltd.

### C. Sales channel

B2B flow and B2C