

LED Tube B2C –T8 4 feet 4000K/6500K B1

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1. Specification:

A. General Data

Model	T8 4 feet 4000K B1
Product Code	00301760019A
P/N	MMR-T840619A2-G1
Rated Voltage	220~240 VAC
Frequency	50 Hz
Rated Wattage	19 W
Deviation Tolerance of Wattage	±10 %
Maximum Lamp Current	82mA
LED Driving Current	94mA
Power Factor (Input 230V, 50Hz)	>0.9
Start On	<0.5S
Dimmable	NO
Beam Angle	150°
EEL	0.14
Energy Class	A+
Safety requirements	CE
Applicable Environments	Dry locations
Incandescent Equivalent	N/A
Base	G13

B. Light Data

Color	Neutral White
Color Temperature (CCT)	4000 K
Rated Lumen Output*	1800 lm
Color Rendering Index*	80
Efficacy*	95 lm/W
Color Consistency**	6 Step MacAdam Ellipse (6 SDCM)

* tolerance +/- 10% ** 4000K center point (0.380, 0.377) , 6500K center point (0.31230, 0.32825)

C. Lifetime

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

Lumen Maintenance Factor	70% of the rated lifetime
Rated Lifetime – L₇₀B₅₀	40,000 hrs
Switching Cycles	≥ 25,000

D. Temperature Operation

Normal operation temperature	-10°C ~ 50°C
Relative Humidity	10 ~ 90%

E. Geometric Data

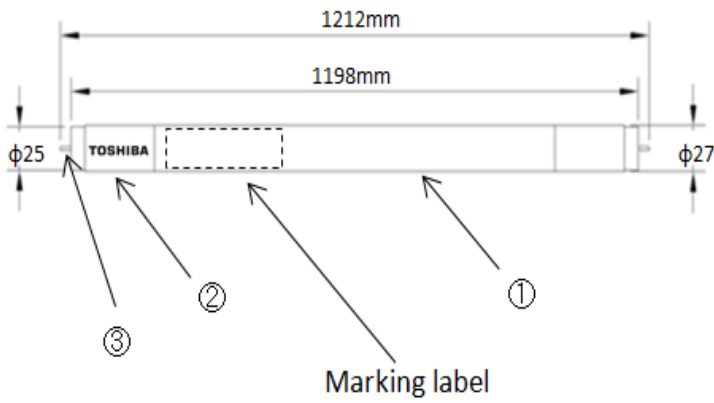
Maximum overall length	1212 ± 2 mm (47.73 ± 0.08 inch)
Maximum diameter	Φ 27 ± 1 mm (1.063 ± 0.04 inch)
Mass	230 ± 15 g

F. Environmental relevant materials

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

2. Outline Drawing

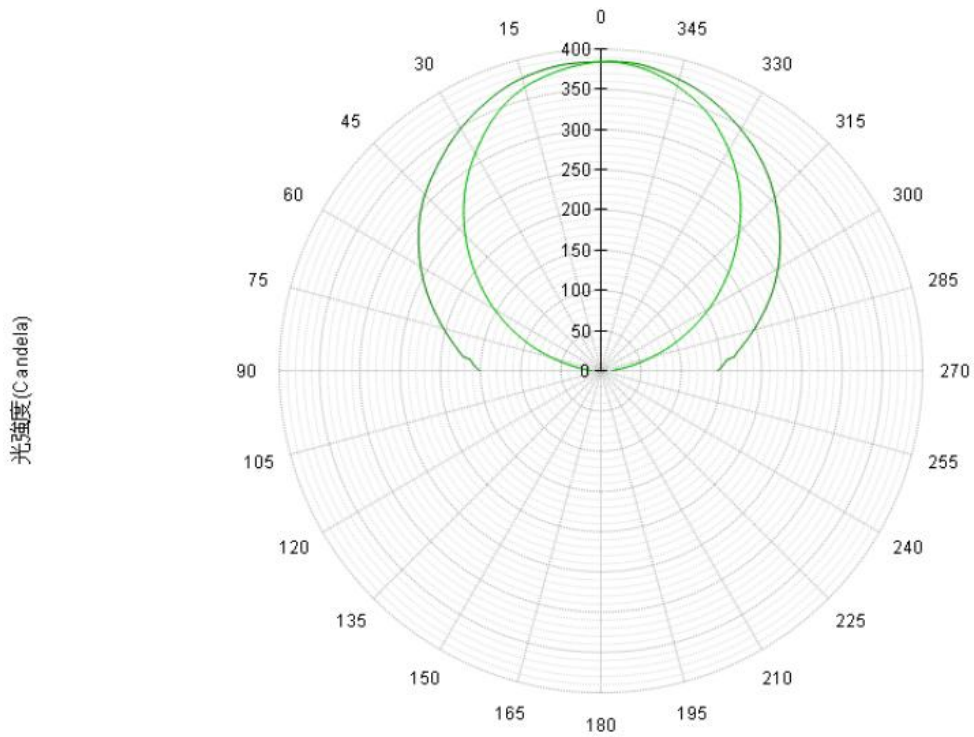
Unit : mm



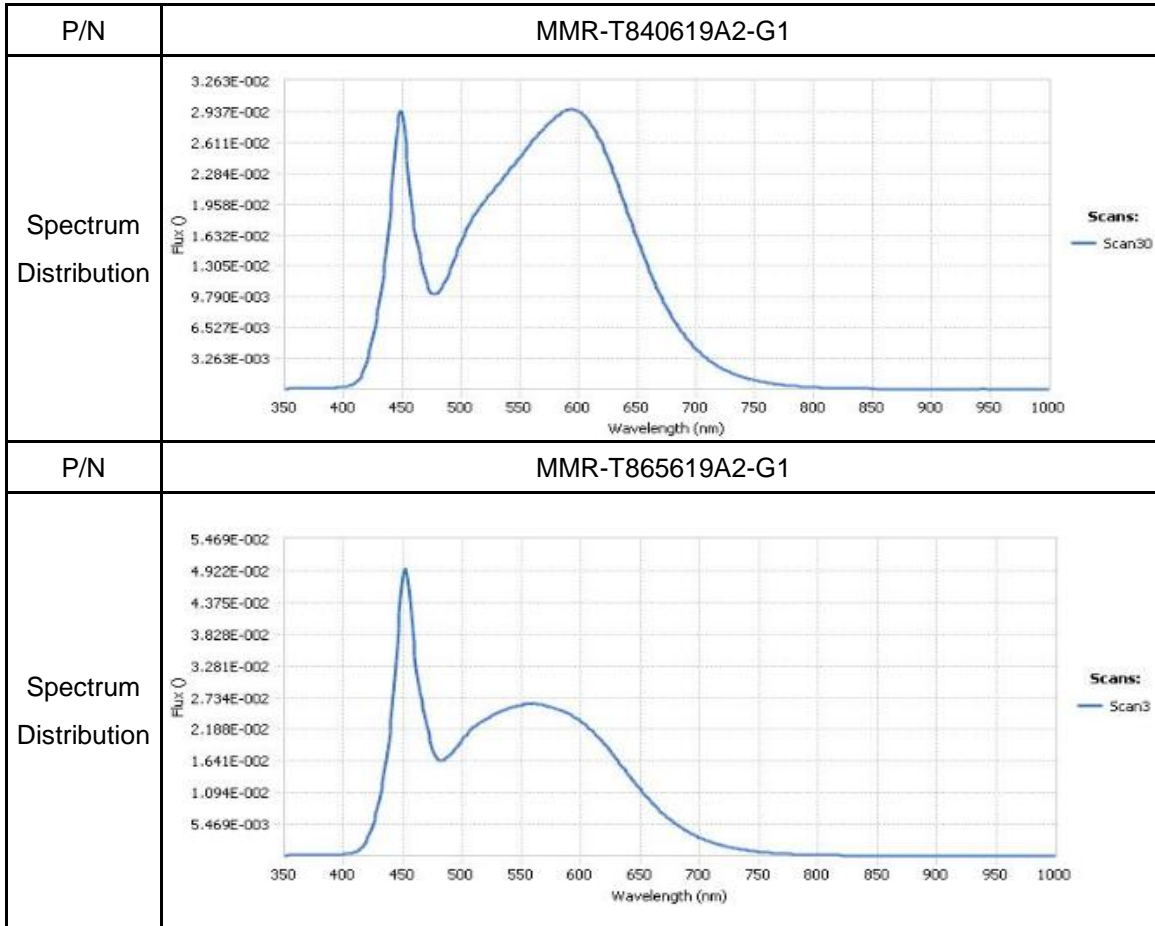
Material Information

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

Model	T8 4 feet 4000K B1
Pieces per pack	1
Product Code	00301760019A
EAN code on pack	4712947600194
Size of pack	1292x35x35 mm
Weight per pack (G.W)	0.33 kg
Packs per inner box	N/A
EAN code on inner box	N/A
ITF code on inner box	N/A
Size of inner box	N/A
Weight per inner box(G.W)	N/A
Packs per outer box	10
ITF code on outer box	14712947600191
Size of outer box	1329x203x82 mm
Weight per outer box(G.W)	3.8 kg

9. Conformity

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