

LED PAR16 - 50W 35D

Authorized Licensee for TOSHIBA trademark



1. Specification:

A. General Data

Model	Dimmable PAR16 50W 35D E1
Product Code	00601760165B
P/N	MMR-10WWN0435E01Sx
Rated Voltage	230 VAC
Frequency	50 Hz
Rated Wattage	4.5 W
Deviation Tolerance of Wattage	±10 %
Power Factor (Input 230V, 50Hz)	> 0.6
Start On	<0.5S
Dimmable	YES
Beam Angle	35°
EEL	0.14
Energy Class	A+
Safety requirements	CE
Applicable Environments	Dry location; Not suitable for totally enclosed fixtures
Incandescent Equivalent	50W
Base	GU10
Photobiologica Group	0

* Dimmer P/N :Jung 266GDE 、 Gira 0302 00/01 、 Schneider UNICA 511 、 Busch 6513 U-102 、 Jung 225 T DE

* Dimming Range : 22%~100%

B. Light Data

Color	Warm White
Color Temperature (CCT)	3000 K
Rated Lumen Output*	345 lm
Color Rendering Index*	80
Efficacy*	76 lm/W
Color Consistency**	6 Step MacAdam Ellipse (6 SDCM)

* tolerance +/- 10% ** center point (0.4338, 0.403) for 3000K

C. Lifetime

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

Lumen Maintenance Factor	70% of the rated lifetime
Rated Lifetime – L₇₀B₅₀	15,000 hrs
Switching Cycles	≥ 15,000

D. Temperature Operation

Normal operation temperature	-20°C ~ 40°C
Relative Humidity	10% ~ 90%

E. Geometric Data

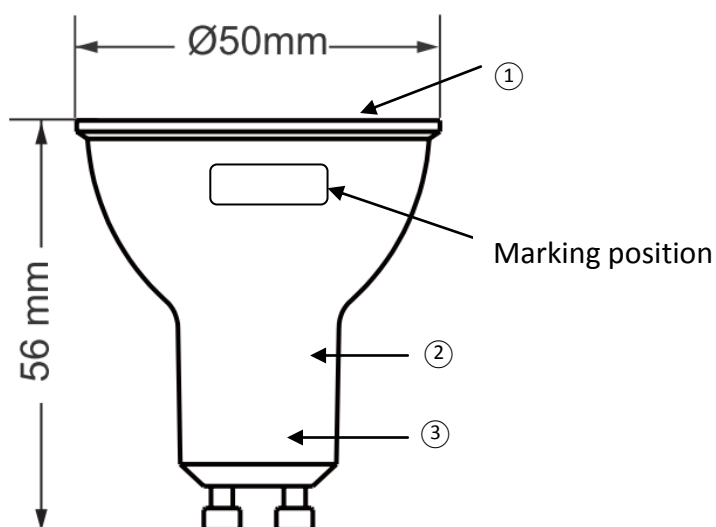
Maximum overall length	56 ± 2 mm
Maximum diameter	50 ± 2 mm

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

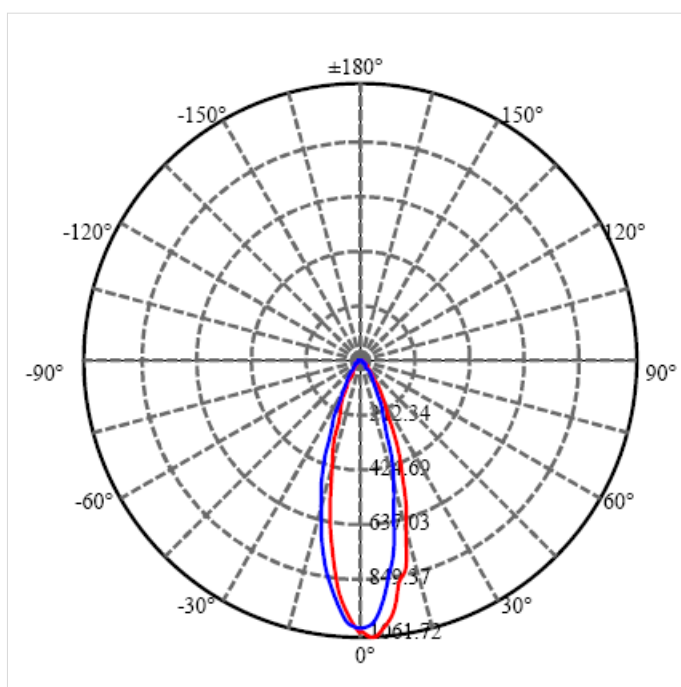


Material Information

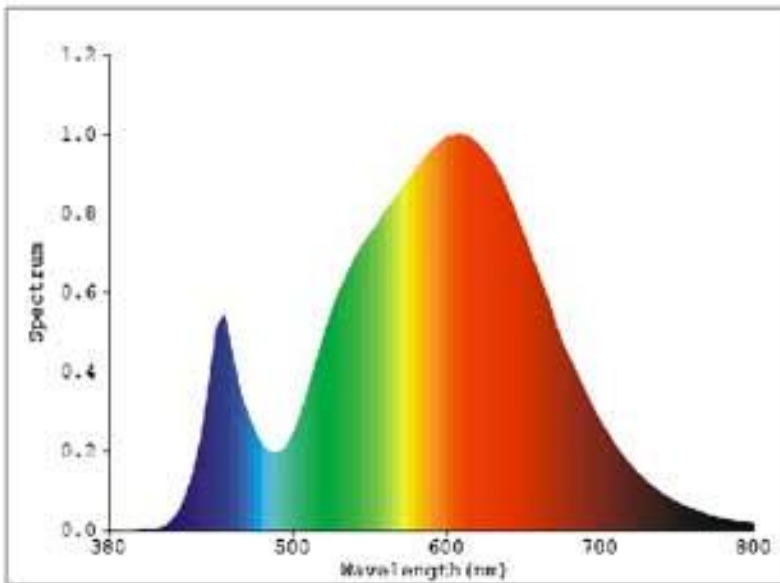
- 1. Cover: Plastic
- 2. Body: Plastic
- 3. Base: Metal

3. Light Distribution Curve

FWHM 35°



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	Classic PAR16 50W 35D E1
Pieces per pack	1
Product Code	00601760167B
EAN code on pack	4712947601672
Size of pack	50mm * 50mm * 65mm
Weight per pack (G.W)	40g
Packs per outer box	200
ITF code on outer box	84712947601678
Size of outer box	54.3cm * 27.5cm * 27cm
Weight per outer box(G.W)	8KG

9. Conformity

2014/35/EU; Low Voltage Directive	EN 62560: 2012 + A1:2015 、 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