

# LED Flood Light IP67 -4000K 45W

Authorized Licensee for TOSHIBA trademark



## 1. Specification:

### A. General Data

<b>Model</b>	Flood Light 4000K 30D-45W	Flood Light 4000K 60D-45W	Flood Light 4000K 100D-45W
<b>Product Code</b>	00901760125A	00901760124A	00901760047A
<b>P/N</b>	MPS-PL406045-1T1	MPS-PL406045-1T2	MPS-PL406045-1T3
<b>Rated Voltage</b>	230 VAC		
<b>Frequency</b>	50 Hz		
<b>Rated Wattage</b>	45 W		
<b>Deviation Tolerance of Wattage</b>	±10 %		
<b>Power Factor (Input 230V, 50Hz)</b>	0.9(typical)		
<b>Start On</b>	<0.5S		
<b>Dimmable</b>	No		
<b>Beam Angle</b>	30°	60°	100°
<b>UGR</b>	N/A		
<b>EI</b>	0.145		
<b>Energy Class</b>	A+		
<b>Safety requirements</b>	CE		
<b>Applicable Environments</b>	IP67/IK08		
<b>Base</b>	N/A		
<b>Type of Installation</b>	N/A		
<b>Exchangeable LED Module</b>	NO		

B. Light Data

<b>Color</b>	Neutral White
<b>Color Temperature (CCT)</b>	4000K
<b>Rated Lumen Output*</b>	4650 lm
<b>Color Rendering Index*</b>	75
<b>Efficacy*</b>	103 lm/W
<b>Color Consistency**</b>	6 Step MacAdam Ellipse (6 SDCM)

\* tolerance +/- 10% \*\* 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>	50,000 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

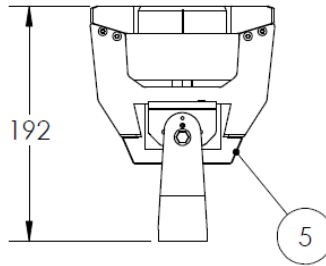
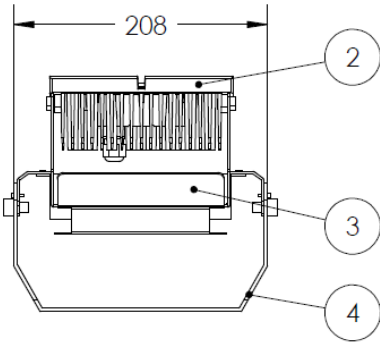
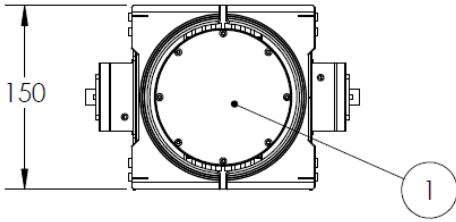
<b>Maximum length</b>	150.0 ± 1 mm
<b>Maximum width</b>	208.0 ± 2 mm
<b>Maximum height</b>	192.0 ± 2 mm
<b>Mass</b>	2700 g

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

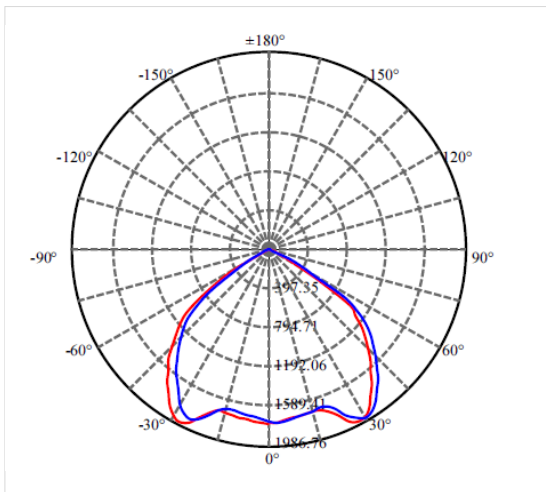
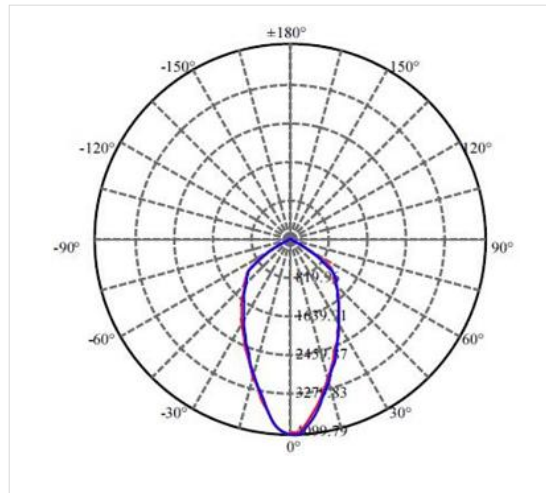
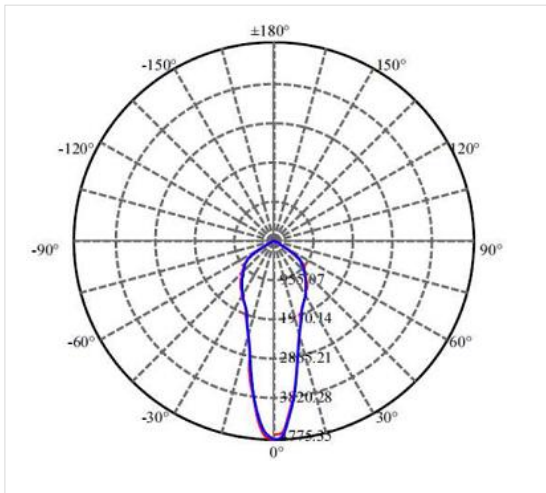
Unit : mm



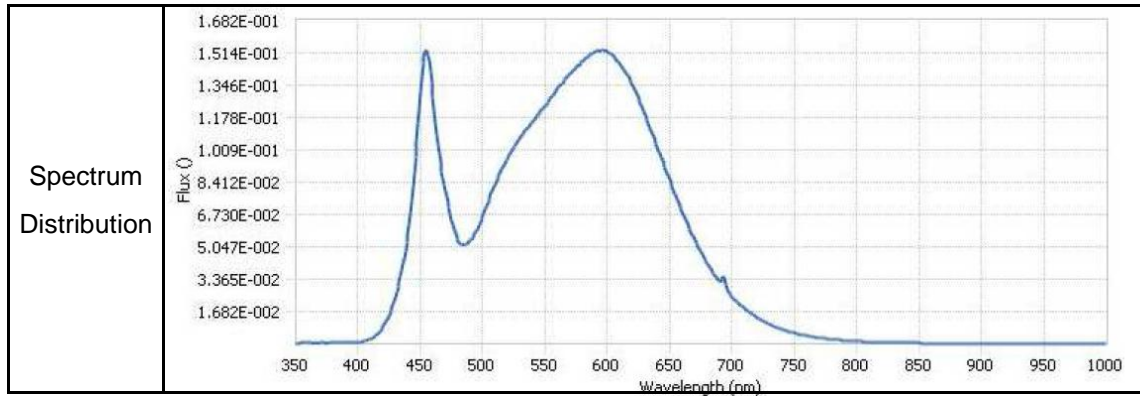
### Material Information

- |                            |      |
|----------------------------|------|
| 1. Cover:                  | PC   |
| 2. Heat sink:              | Al   |
| 3. Bracket-1:              | SGCC |
| 4. Bracket-2:              | SGCC |
| 5. Power Protection Cover: | SGCC |

## 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	Flood Light 4000K 30D-45W	Flood Light 4000K 60D-45W	Flood Light 4000K 100D-45W
Product Code	00901760125A	00901760124A	00901760047A
P/N	MPS-PL406045-1T1	MPS-PL406045-1T2	MPS-PL406045-1T3
Pieces per pack	N/A		
EAN code on pack	N/A		
Size of pack	N/A		
Weight per pack (G.W)	N/A		
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	1		
EAN code on outer box	4712947601252	4712947601245	4712947600477
ITF code on outer box	04712947601252	04712947601245	04712947600477
Size of outer box	287x240x209 mm		
Weight per outer box(G.W)	3.2 kg		

## 9. Conformity

<b>2006/95/EC; Low Voltage Directive</b>	EN 62031(LED module) 、 EN 60598-1 & EN 60598-2-5(Luminaires) 、 EN 61347-2-13(LED driver) 、 EN 62471 、 EN 62493(EMF)
<b>2004/108/EC; EMC Directive</b>	EN 55015 、 EN 61000-3-2 、 EN 61000-3-3 EN 61547 (Including IEC 61000-4-X series)
<b>2009/125/EC; ErP Directive</b>	EU No. 1194 、 EU No. 874
<b>2011/65/EU; RoHS Directive</b>	EN 50581 、 EN 62321

## 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