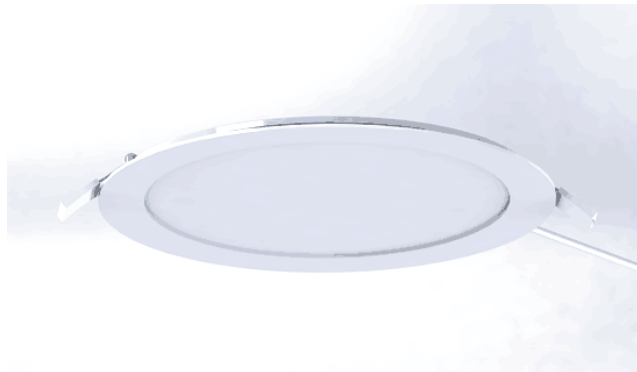


8 inch Panel Down Light 18W

Authorized Licensee for TOSHIBA trademark



1. Specification:

A. General Data

Model	8 inch 18W Panel Down Light -3000K	8 inch 18W Panel Down Light -4000K
Product Code	01001315450A	01001315451A
P/N	MMR-DL30618A0-W0Ax	MMR-DL40618A0-W0Ax
Rated Voltage	230 VAC	230 VAC
Frequency	50 Hz	50 Hz
Rated Wattage	18 W	18 W
Deviation Tolerance of Rated Wattage	±10 %	±10 %
Rated Input Currents	0.16A	0.16A
Power Factor (Input 230V, 50Hz)	> 0.5	> 0.5
Start On	<0.5S	<0.5S
Dimmable	NO	NO
Beam Angle	110°	110°
UGR	<25	<25
EEI	0.15	0.15
Energy Class	A+	A+
Safety requirements	CE	CE
Applicable Environments	IP20	IP20
Base	N/A	N/A
Type of Installation	Recessed Cut off 205mm	Recessed Cut off 205mm
Exchangeable LED Module	Exempt	Exempt
LED Drive P/N (brand: Unity Opto)	60182	60182

B. Light Data

Color	Warm White	Neutral White
Color Temperature (CCT)	3000K	4000K
Rated Lumen Output*	1500 lm	1600 lm
Color Rendering Index*	80	
Efficacy*	83 lm/W	88 lm/W
Color Consistency**	6 Step MacAdam Ellipse (6 SDCM)	

*tolerance +/- 10% ** 3000K center point (0.43387, 0.40319) , 4000K center point (0.380, 0.377)

C. Lifetime

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

Lumen Maintenance Factor	70% of the rated lifetime
Rated Lifetime – L ₇₀ B ₅₀	25,000 hrs
Switching Cycles	≥ 12,500

D. Temperature Operation

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

E. Geometric Data

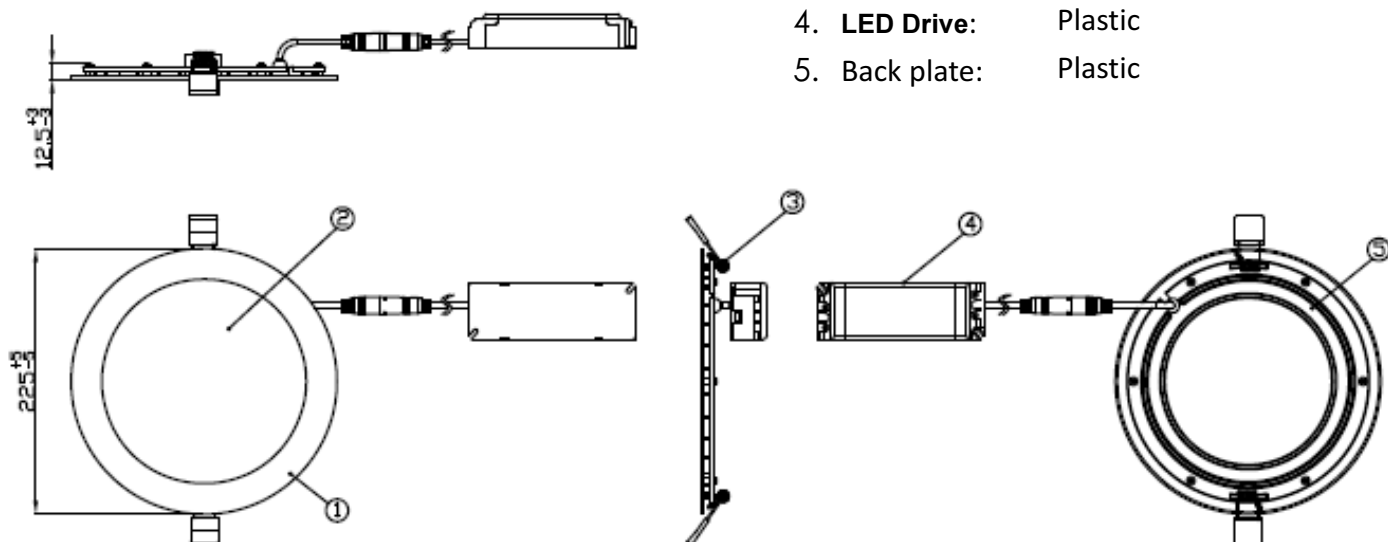
Maximum length	225 ± 5 mm (8.85 ± 0.19 inch)
Maximum width	225± 5 mm (8.85 ± 0.19 inch)
Maximum thickness	23 ± 4 mm (0.9 ± 0.16 inch)
Thickness	12.5 ± 3 mm (0.49 ± 0.12 inch)
Mass	405 ± 40g

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

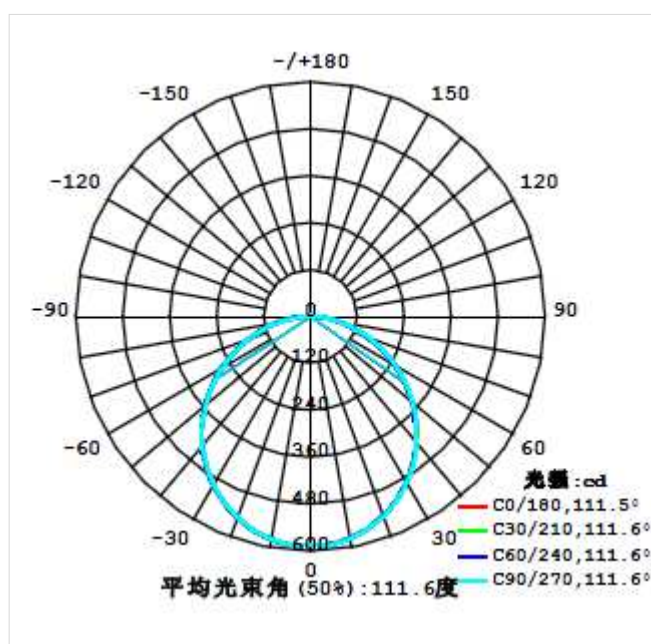
Unit : mm



Material Information

1. Frame: Metal
2. Diffuser plate: Plastic
3. Clip: Metal
4. LED Drive: Plastic
5. Back plate: Plastic

3. Light Distribution Curve



[illegible]

4. Spectrum Distribution

5. Warnings

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

6. 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.

*The product is only used in UOT LED drive (brand: Unity Opto)

7. Logistic information

Model	8inch 18W Panel Down Light -3000K	8inch 18W Panel Down Light -4000K
P/N	MMR-DL30618A0-W0Ax	MMR-DL40618A0-W0Ax
Product Code	01001315450A	01001315451A
Pieces per pack	1	
EAN code on pack	4713233154506	4713233154513
Size of pack	22.8x22.8x4.9cm	
Weight per pack (G.W)	450g	
Packs per inner box	N/A	
EAN code on inner box	N/A	
ITF code on inner box	N/A	
Size of inner box	22.8x22.8x4.9cm	
Weight per inner box(G.W)	N/A	
Packs per outer box	10	
EAN code on outer box	N/A	
ITF code on outer box	44713233154504	44713233154511
Size of outer box	51.5*24*24.5cm	
Weight per outer box(G.W)	5000g	
Packing Photograph		

8. 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