

Model : SMDLEDM-2-XX

## Multi-Chip High Brightness Waterproof Module

**Applications :**

- Commercial lighting
- Residential lighting
- Architectural lighting
- Decoration lighting

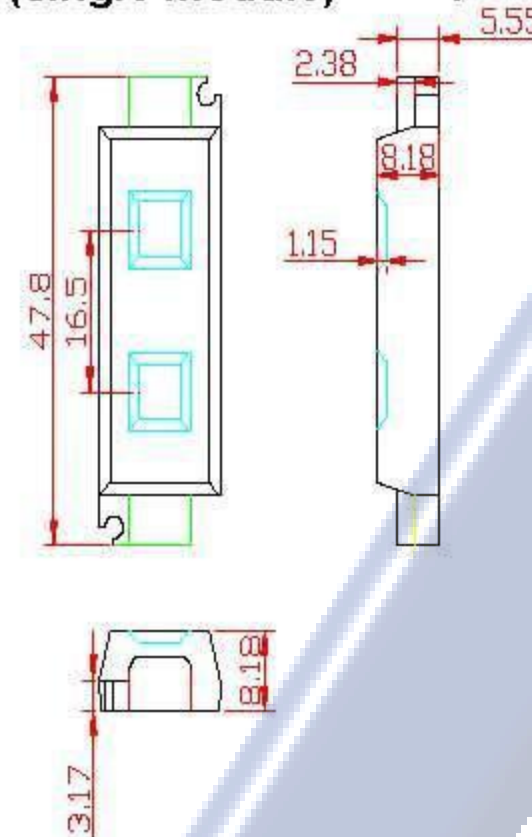
**Features :**

- Multi-Chip High Brightness SMD LED technology
- 3 dices bonded in one dot (3-in-1)
- Extra thin profile ~ 8mm thickness
- High reliability and low power consumption
- Ideal design for edgelight & backlight of advertising signs, channel letters and light boxes
- 120 ° lighting angle
- 12VDC operating voltage
- Mounting : by double side adhesive tape or screw
- IP65 molded casing

**Advantages :**

- High brightness with wide 120° light distribution
- High safety due to low-voltage operation
- Easy assembly : fixing by double side adhesive tape at back or screws
- Flexible for installation with arbitrary module separation or combination
- Low heat generated
- Energy saving
- Extreme long life of LED upto 50,000 hours
- No UV or IR radiation generated

**Dimension (single module) :**



Notes: Unless otherwise stated, the tolerance is ±0.25mm.

**Absolute Maximum Rating (Ta=25°C) :**

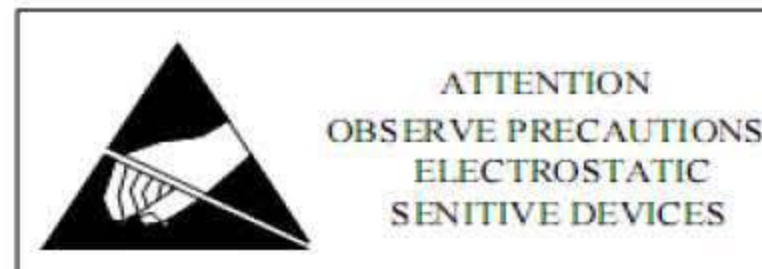
Parameter	Symbol	Rating	Unit
Power Dissipation per module	P <sub>D</sub>	0.60	W
Operating Temp Rang	----	-25°C to +70	°C
Storage Temp Range	----	-30°C to +80	°C
Electrostatic Discharge Threshold (HBM)	ESD	2000	V

**Electrical/Optical Characteristics Rating (Ta=25°C) :**

Part Number	LED Color	Dominant Wave Length(nm)	LED Quantity	Luminous Flux (lm)/per module	Viewing Angle
LBY-F12T36-2R	Red	620-630	2	13	120
LBY-F12T36-2Y	Yellow	585-595	2	13	120
LBY-F12T36-2B	Blue	460-475	2	5	120
LBY-F12T36-2G	Green	515-530	2	18	120
LBY-F12T36-2WW	Warm White	3500K +/- 300K	2	23	120
LBY-F12T36-2W	Pure White	7000K +/- 300K	2	23	120

**Standard:**

Conformity with RoHS Directive 2002/95/EC - Pb, Cd, Hg, Cr+6, PBBs & PBDSs 6 substances complies to RoHS standard.



Version : 1.1