



**COB LED Module Series With Lens**



**1.5W~9W 12V**

**Model Specifications**



Voltage:12V	Unit Watts:1.5W		
Viewing Angel:150°	Modules/Chain:20	Chain/Pack:5	
Model No.	Color	W.L. (nm)	Luminance (lm)
LEDMG-W120	Cool White	10000K	90



Voltage:12V	Unit Watts:1.8W		
Viewing Angel:150°	Modules/Chain:20	Chain/Pack:1	
Model No.	Color	W.L. (nm)	Luminance (lm)
LEDML-W120C	Cool White	10000K	125



Voltage:12V	Unit Watts: 3.7W		
Viewing Angel:150°	Modules/Chain:20	Chain/Pack:1	
Model No.	Color	W.L. (nm)	Luminance (lm)
LEDMH-W120C	Cool White	10000K	250



Voltage:12V	Unit Watts:9W		
Viewing Angel:150°	Modules/Chain:10	Chain/Pack:1	
Model No.	Color	W.L. (nm)	Luminance (lm)
LEDMD-W110C	Cool White	10000K	550

## Features

Aluminum body with heat-conductive adhesive tape.

Using innovative, patent pending **CooChip®** technology, the LED chip is attached and bonded directly to the aluminum PCB and heat-sink, resulting in ultra low heat resistance. **CooChip® Runs COOL!**

Extended operating life at high ambient temperature, 75,000+ hrs@25°C / 50,000+ hrs@40°C

Power LED module designed for light box or big size channel letter illumination.

150° wide angle, emits much softer, more even light compared to regular LED Mmodule.

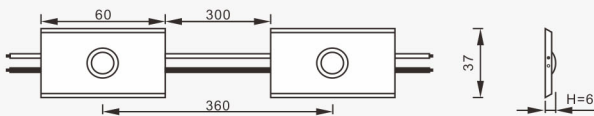
## Applications

LED channel letter, light box.

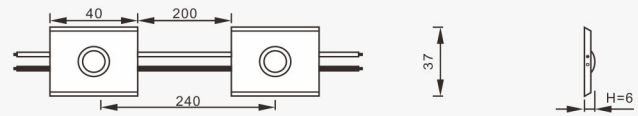
## Dimension

Unit : mm

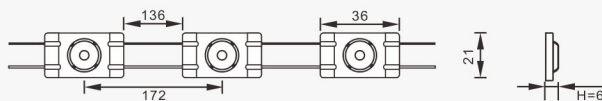
LEDMH-W120C



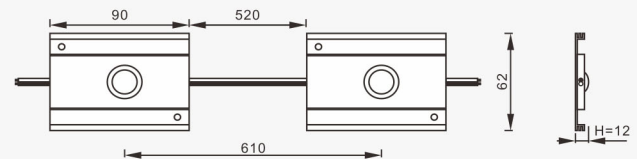
LEDML-W120C



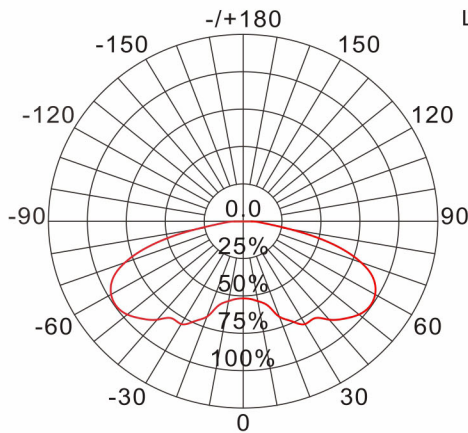
LEDMG-W120C



LEDMD-W110C



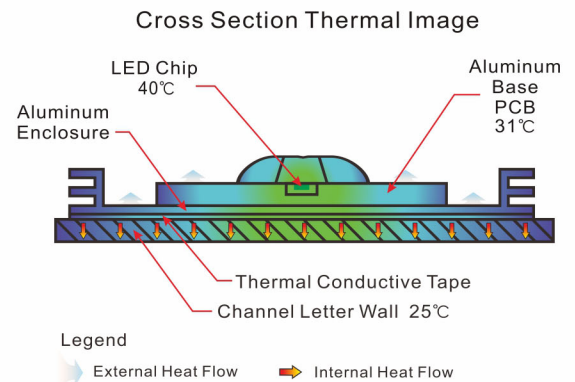
## Radiation Characteristics



Light intensity: Percentage

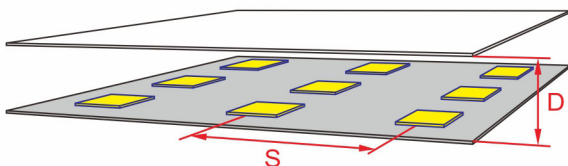
- C0/180, 156.4°
- C30/210, 156.6°
- C60/240, 156.2°
- C90/270, 155.8°

## Heat Management



## Module Spacing Calculation in Light Box (Size: L\*M=1m\*1m)

LEDMD-W110C



**D:** Light box depth **S:** Module spacing

D (inch)	2.5"	3"	4"	4.5"	5"
S <sub>max.</sub> (inch)	5.5ft	6.6ft	6.6ft	6.6ft	6.6ft
Quantity <sub>min.</sub>	42 pcs	30 pcs	30 pcs	30 pcs	30 pcs

D (mm)	60mm	70mm	80mm	100mm	120mm
S <sub>max.</sub> (mm)	132mm	154mm	166mm	166mm	166mm
Quantity <sub>min.</sub>	56 pcs	42 pcs	36 pcs	36 pcs	36 pcs