



Crab Module Series

ProLight Opto has recently launched a new module series (Crab module series) for commercial lighting applications, especially for incandescent bulbs and downlights replacement. With CRI over 90, lumen efficiency per watt is up to 90lm/W. The Crab modules is factory-mounted with Pb-free reflow soldering on MCPCB and all have the same dimensions ($\Phi 33\text{mm}$), can help luminaire developers to reduce both development cost and time to market.

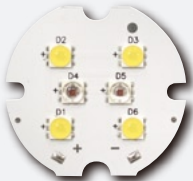
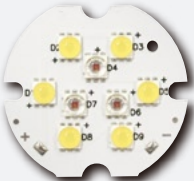
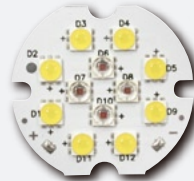
Main Applications

LED bulb
Down lights
Commercial lighting

Features

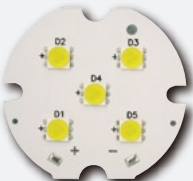
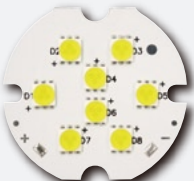
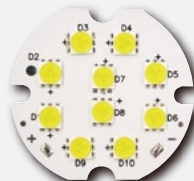
CRI 90 Warm white / CRI 73 White color
Lumen / Watt : 90 lm
Best Moisture Sensitivity : JEDEC MSL 1
RoHS compliant

Warm White

Part No.	PP2M-1LYP-006BN	PP2M-1LYP-009BN	PP2M-1LYP-012BN
Picture			
Dimension	$\Phi 33\text{mm}$		
Power	6W	9W	12W
Lumen (lm)	520	780	1040
lm/watt efficiency	90 lm/W		
CRI	> 90		
Forward Current	350mA		
Forward Voltage	16.5	24.8	33

Remark : CCT shift from 2600k@ $T_a=25^\circ\text{C}$ to 3050k@ $T_B=75^\circ\text{C}$

White Color

Part No.	PP2M-1LWP-005BN	PP2M-1LWP-008BN	PP2M-1LWP-010BN
Picture			
Dimension	$\Phi 33\text{mm}$		
Power	6W	9W	11W
Lumen (lm)	480	770	960
lm/watt efficiency	85 lm/W		
CRI	73		
Forward Current	350mA		
Forward Voltage	16.2	26	32.4

Remark : CCT shift from 4750k@ $T_a=25^\circ\text{C}$ to 5000k@ $T_B=75^\circ\text{C}$