

AB-GES-C06112Wxx1N2

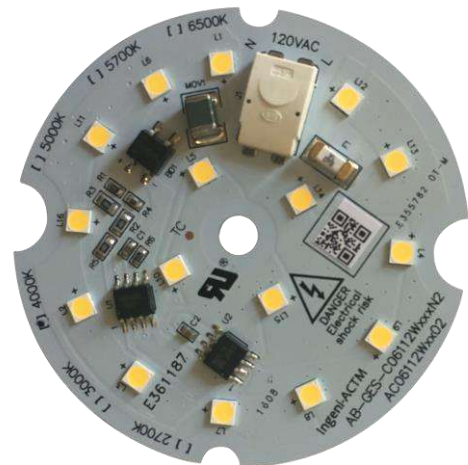
Features & Applications

Features:

- 12W circular AC LED light engine
- SimpleDrive® - 120V AC drive technology
- Phillips Lumileds LED
- Driver on Board structure
- Long life - No Electrolytic capacitors
- Easily to be integrated
- UL Compliance

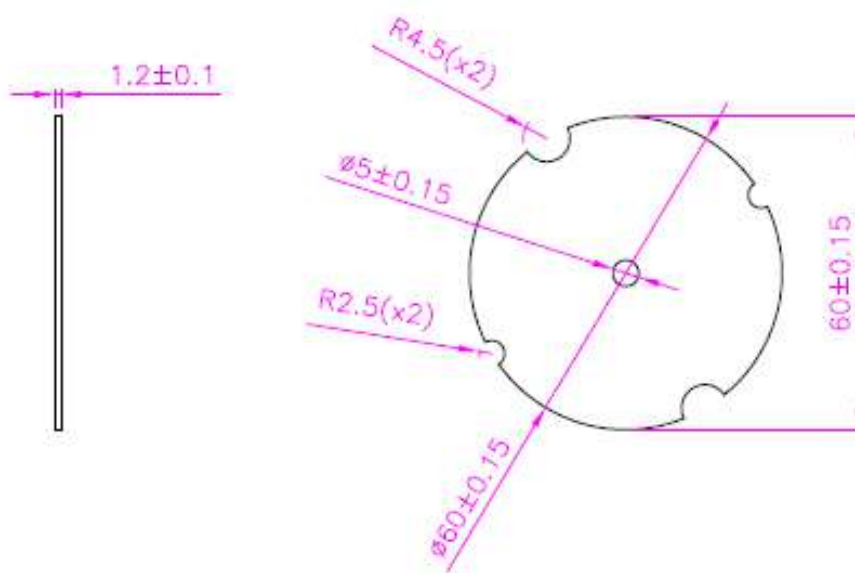
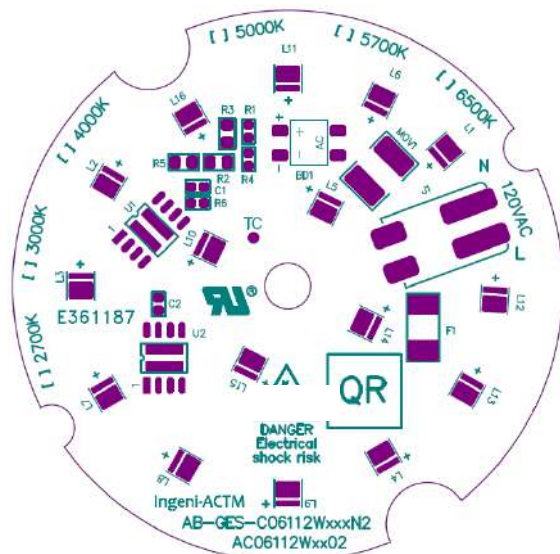
Applications:

- Down light (Diffused type)
- Ceiling light
- Underground light
- Wall light



AB-GES-C08115Wxx1N2

Outline Dimensions



Units: mm

Notes:

1. BJB's Terminal block is used
2. Thickness of PCB is 1.2mm, there's Thermal tape in the back side of Module
3. Tolerance of dimension is ± 0.1 mm
4. TC point is in the center of AC DOB module. The Temperature of TC & LED soldering pad needs to be lower than 75 °C and the temperature of top of IC needs to be lower than 110 °C. If the temperature doesn't exceed the limitation of temperature, we can provide the warranty.

AB-GES-C08115Wxx1N2



Characteristics

■ Absolute Maximum Ratings

Parameter	Symbol	Rating	Unit
Input Voltage	V _{in}	130	Vac
LED Junction Temperature	T _J	115	°C
Storage Temperature	T _{stg}	-40 ~ 100 °C	°C
Operation Temperature	T _{opr}	-40 ~ 85 °C	°C

- Proper current rating must be observed to maintain junction temperature below maximum at all time. For this product, we suggest to keep the Temperature of TC point under 75°C, and the temperature of Top IC surface under 115°C. After passing the maximum temperature of IC, the rating current will be lower automatically for protecting the whole circuit.

■ Electrical Characteristics, Ta=25°C

Parameter	Symbol	Min.	Max.	Unit
Input Voltage	V _{in}	110	130	Vac
Input Frequency	Freq.	50/60		Hz
Power Factor	PF	0.9	0.95	-

* This surge protection is without the protection device circuit.

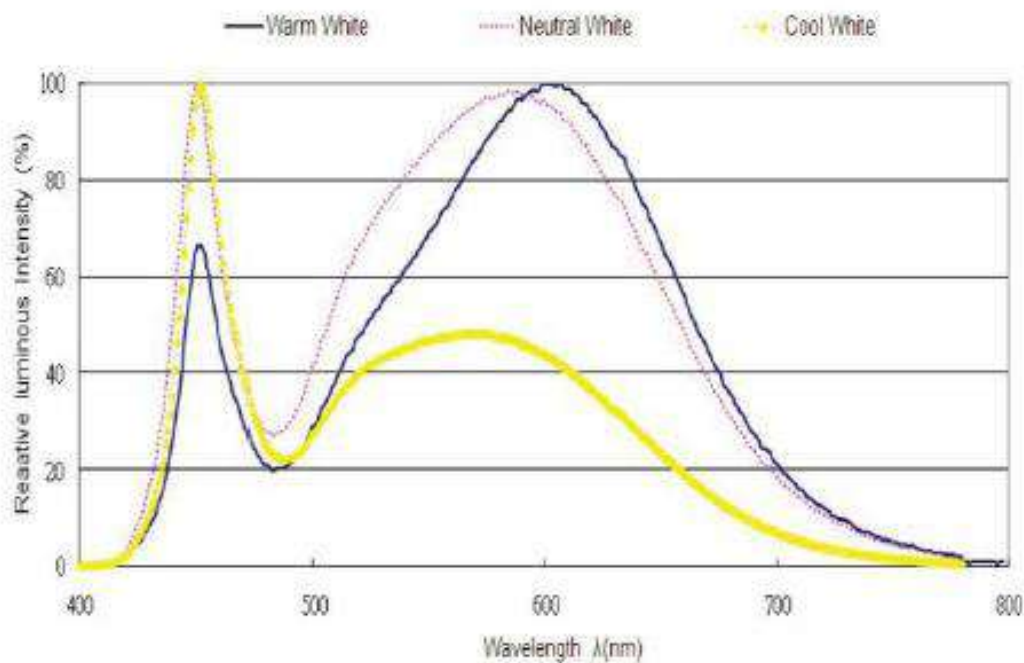
■ Optical Characteristics (V_{in}=120V), Ta=25°C

Model name	AC Power			Color Temp	Luminous Flux(lm)		CRI
	Min	Typ.	Max	(K)	Min	Typ	
AB-GES-C06112W301N2	10.4	12.0	13.4	3000	1080	1200	>80
AB-GES-C06112W401N2	10.4	12.0	13.4	4000	1130	1260	>80
AB-GES-C06112W501N2	10.4	12.0	13.4	5000	1130	1260	>80

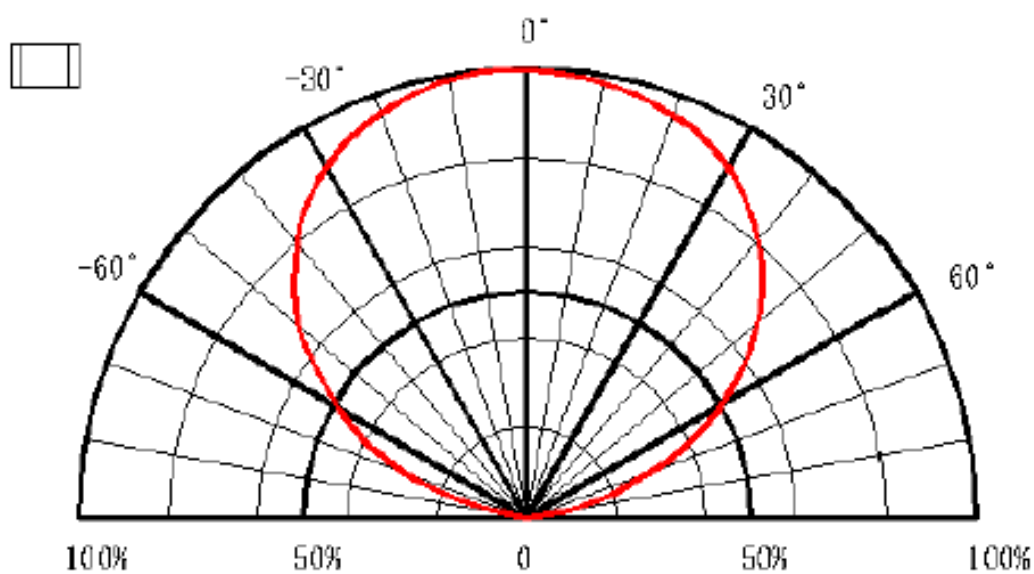
- Correlated color Temperature is derived from the CIE 1931Chromaticity diagram.
- The luminous flux tolerance is ± 10%.
- This CRI value tolerance is ± 2.
- Calibration accuracy of CIE_x and CIE_y : ±0.007 ;
- Calibration error CCT 3000K ±175K ; 4000K ±300K ; 6500K ±400K



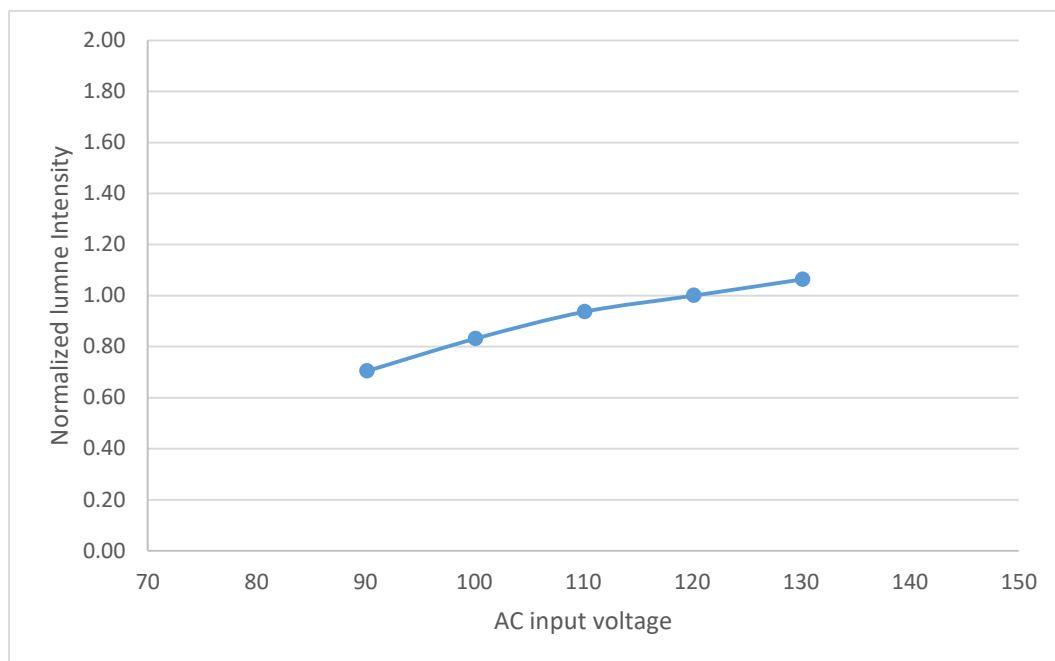
■ Relative Spectrum of Emission (Ta=25°C)



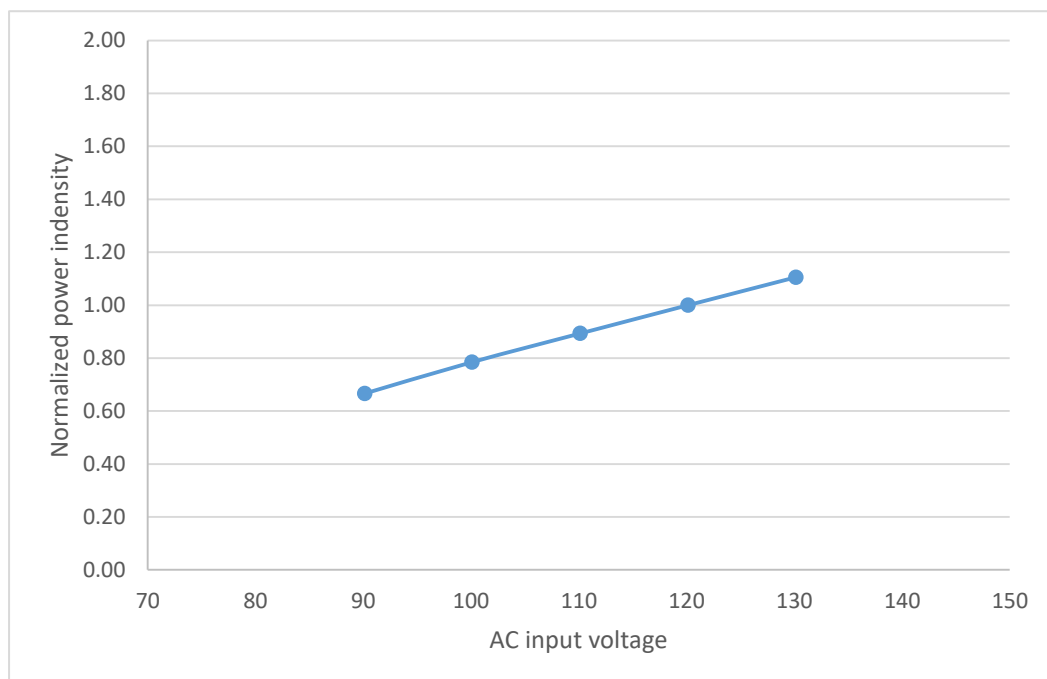
■ Radiation Pattern



■ Relative luminous vs. Input voltage (Ta=25°C)

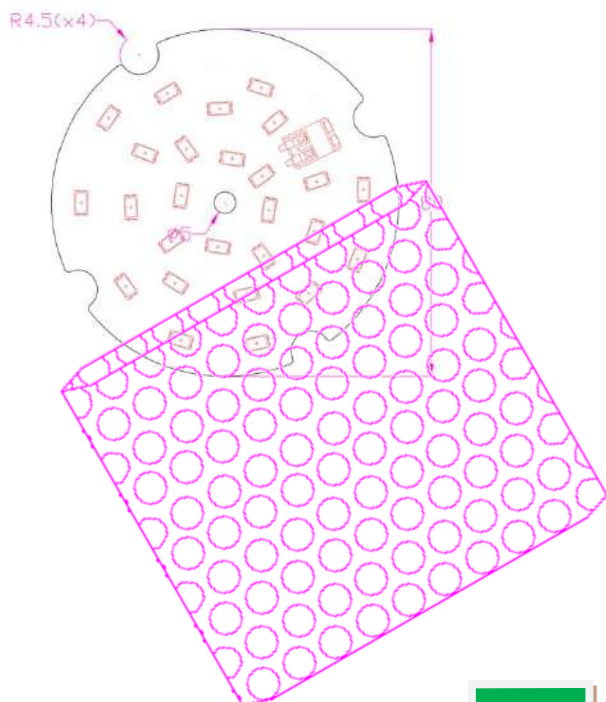


■ Relative power distribution vs. Input voltage (Ta=25°C)





Packing

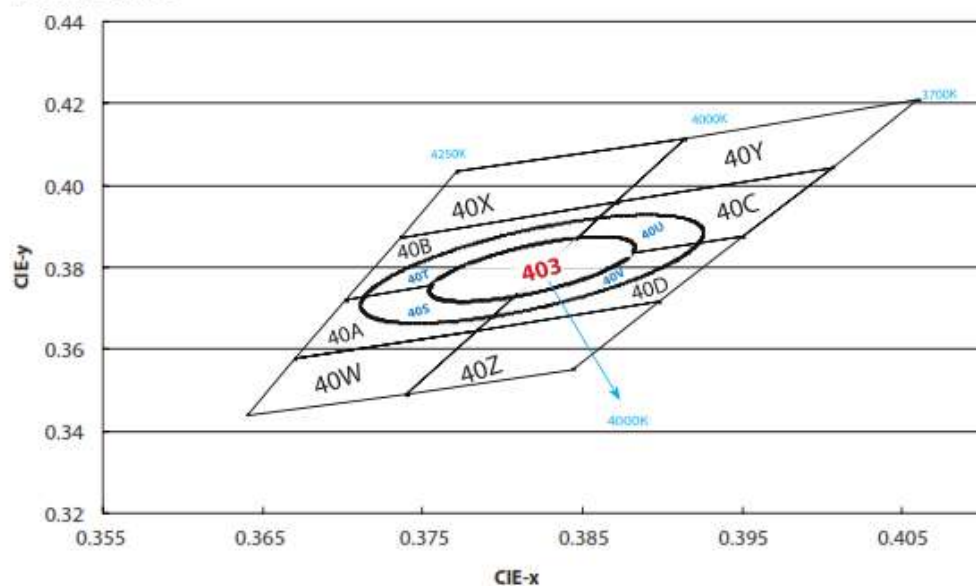


1 Box = 100 PCS (about 2 Kgs)

Box size (L x W x H) = TBD



Neutral White



Warm White

