



TOYO LED ELECTRONICS LIMITED

Room 1610, Hong Kong Plaza, 188 Connaught Road West, Hong Kong.

Tel : (852) 2540 7288
http://www.toyo-led.com

Fax : (852) 2517 1797
E-mail : sales@toyo-led.com



P/N: TY-HP1PW-S

High Power LEDs Series

SPECIFICATION FOR CUSTOMER APPROVAL

P/N: TY-HP1PW-S

DATE : October 20, 2015

PREPARED BY : Yanguoliang

CONFIRMED BY :

PLEASE CONFIRM & SIGN BACK THIS SHEET TO US

CUSTOMER:

(COMPANY CHOP)

APPROVAL BY:

(SIGNATURE)



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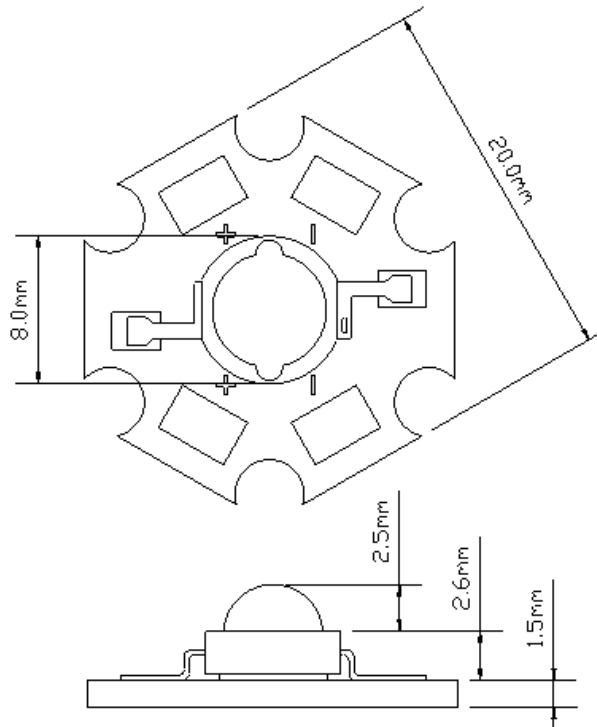
✧ Features:

- 1 W High Power LED
- Emitted color: White
- Silica package
- Long operating life

✧ Application

- General lighting
- Architectural Lighting
- Decoration lighting
- Advertisement

✧ Package Dimensions



NOTES:

1. All dimensions are in millimeter[unit];
2. Tolerance is ± 0.1 mm unless other specified;
3. Specifications are subject to change without notice.



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Part No.	Emitted Color	Lens Color
TY-HP1PW-S	White	Yellow Diffused

✧ Absolute Maximum Ratings(Ta=25°C)

Item	Symbol	Maximum	Unit
Power Dissipation	PD	1	W
Continuous Forward Current	I _{Fmax}	350	mA
Peak Forward Current(1/10 Duty Cycle 0.1ms Pulse Width)	I _{FP}	1	A
Reverse Voltage	V _R	5	V
Operating Temperature Range	T _{opr}	-20 to+80	°C
Storage Temperature Range	T _{stg}	-30 to+100	°C
Lead Solder Temperature	T _{sol}	260°C for 5 Seconds	

✧ Electrical/Optical Characteristics(Ta=25°C)

Item	Symbol	Condition	Min.	Typ.	Max.	Unit
Forward Voltage	V _F	I _F =350mA	3.0	3.4	3.8	V
Luminous Flux	Φ	I _F =350mA	110	---	130	lm
Color Temperature	CCT	I _F =350mA	5000	6000	7000	K
CIR	R _a	I _F =350mA		70		
Viewing Angle	2θ 1/2	I _F =350mA	---	140	---	Deg



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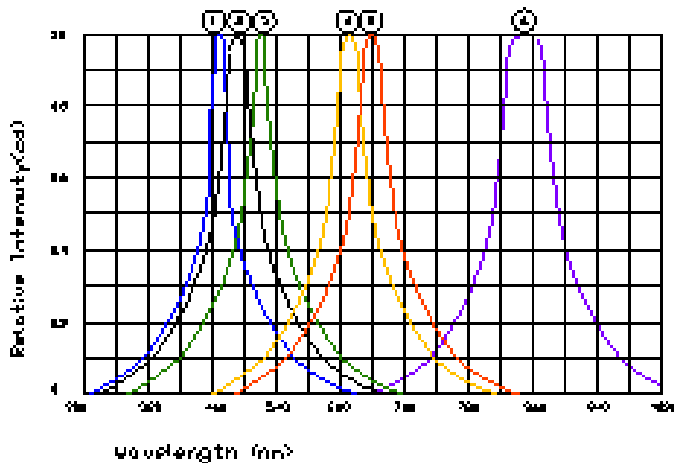
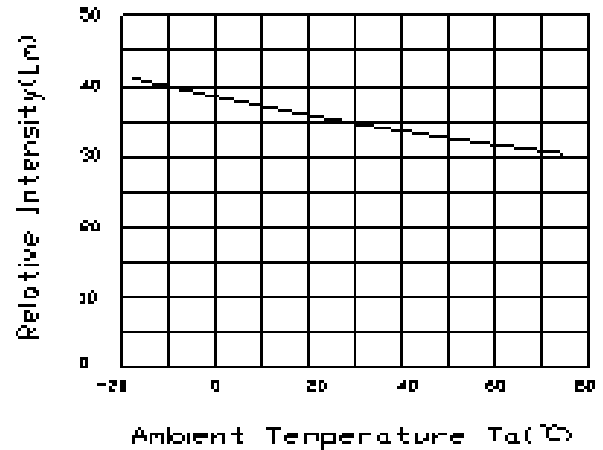
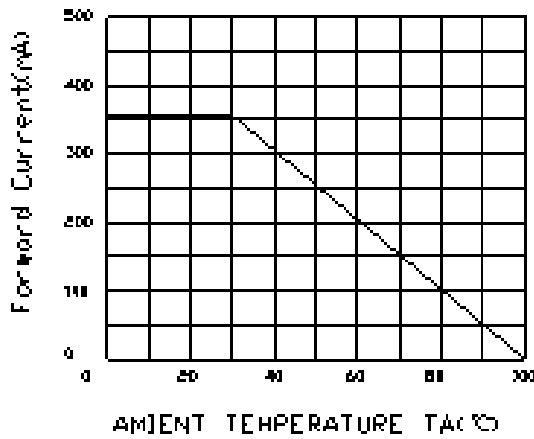
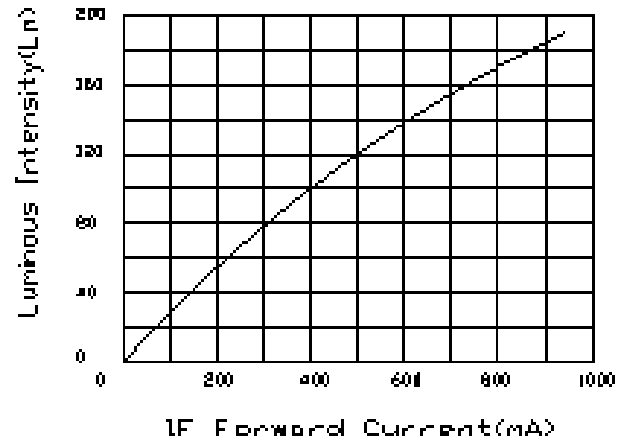
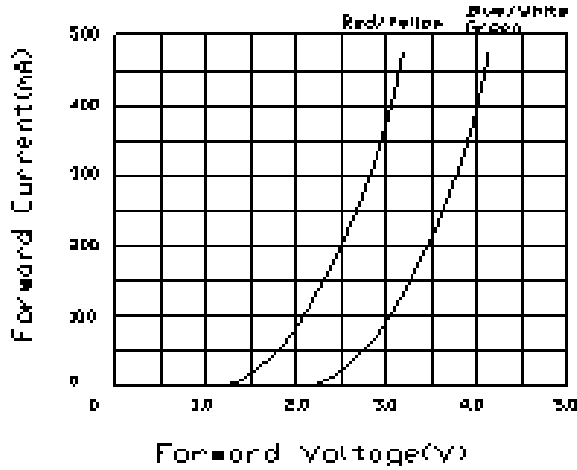
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◇ Typical Electro-Optical Characteristic Curve



- ① Blue Lamp(InGaN)
- ② White Lamp(InGaN)
- ③ Pure Green Lamp(InGaP)
- ④ Yellow Green Lamp(AInGaP)
- ⑤ Red Lamp(AInGaP)
- ⑥ Infrared Lamp(B520nm)