



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-HP3PW-S

High Power LEDs Series

SPECIFICATION FOR CUSTOMER APPROVAL

P/N: TY-HP3PW-S

DATE : March 8, 2016

PREPARED BY : Chen Li fen

CONFIRMED BY :

PLEASE CONFIRM & SIGN BACK THIS SHEET TO US

CUSTOMER:

(COMPANY CHOP)

APPROVAL BY:

(SIGNATURE)



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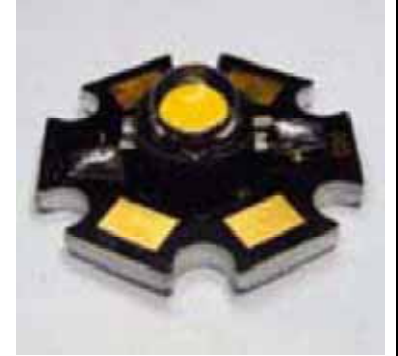


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High Power LEDs Series

✧ Features:

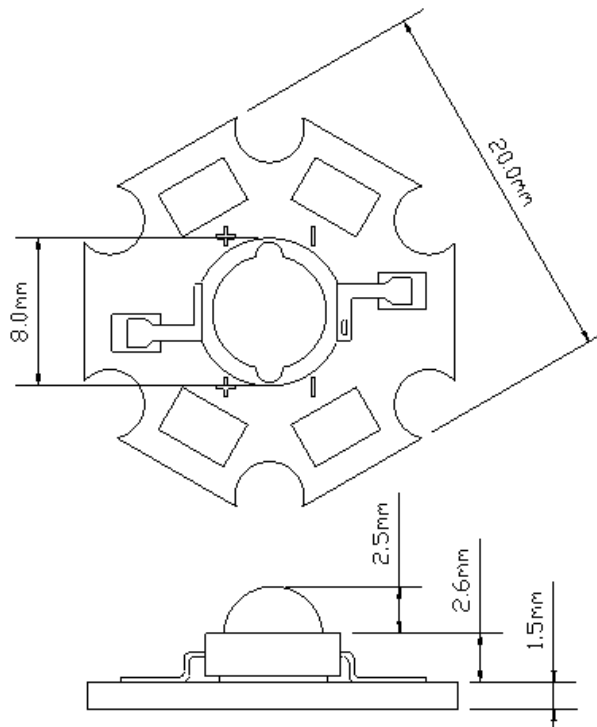
- 3 W High Power LED
- Emitted color: Warm White
- Silica package
- Long operating life



✧ 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-HP3PW-S	White	Yellow Diffused

◇ Absolute Maximum Ratings(Ta=25)

Item	Symbol	Maximum	Unit
Power Dissipation	PD	3	W
Continuous Forward Current	I _{Fmax}	700	mA
Peak Forward Current(1/10 Duty Cycle 0.1ms Pulse Width)	I _{FP}	1300	mA
Reverse Voltage	V _R	5	V
Operating Temperature Range	T _{opr}	-20 to+80	
Storage Temperature Range	T _{stg}	-30 to+100	
Lead Solder Temperature	T _{sol}	260 for 5 Seconds	

◇ Electrical/Optical Characteristics(Ta=25)

Item	Symbol	Condition	Min.	Typ.	Max.	Unit
Forward Voltage	VF	IF=700mA	3.4	3.6	3.8	V
Luminous Flux		IF=700mA	180	200	210	lm
Color Temperature	CCT	IF=700mA	6000	---	6500	K
Viewing Angle	2 1/2	IF=700mA	---	140	---	Deg



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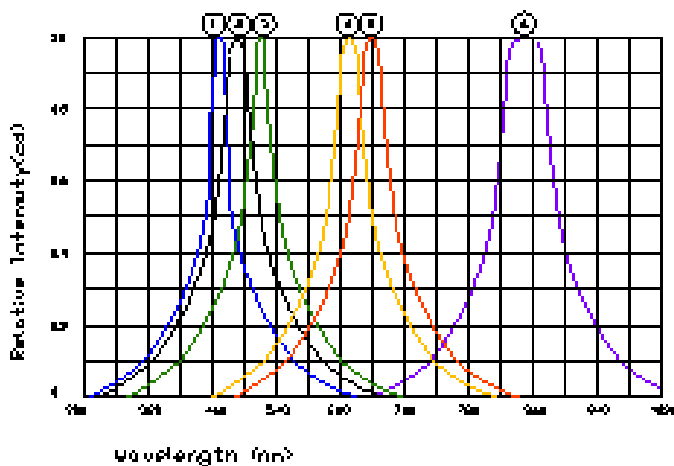
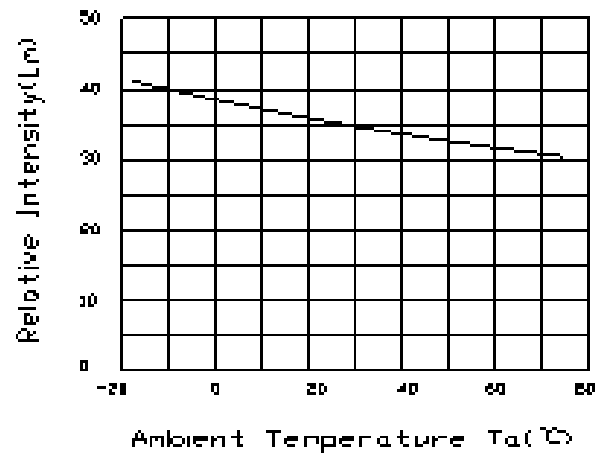
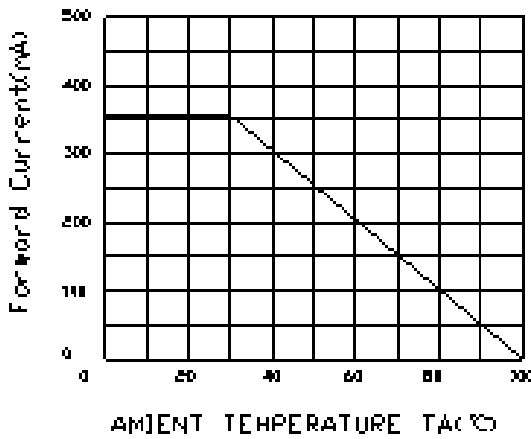
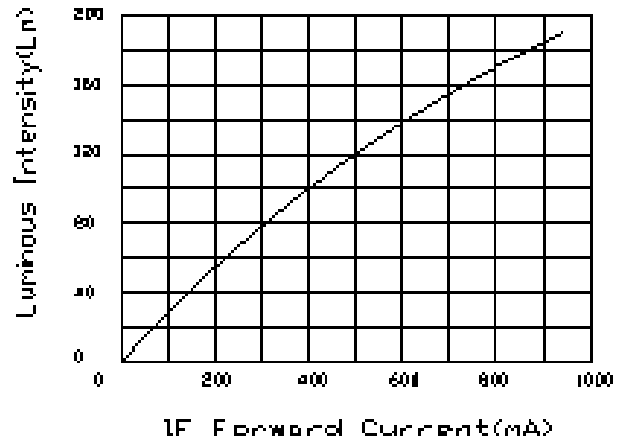
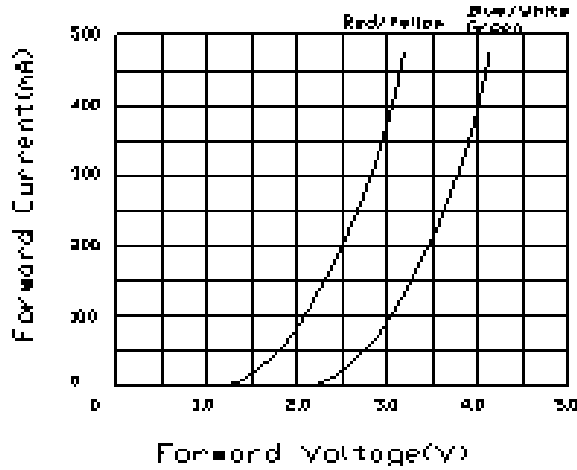
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◇ Typical Electro-Optical Characteristic Curve



- Ⓐ Blue Lamp(InGaN)
- Ⓑ White Lamp(InGaN)
- Ⓒ Pure Green Lamp(InGaP)
- Ⓓ Yellow Green Lamp(AlInGaP)
- Ⓔ Red Lamp(AlInGaP)
- Ⓕ Infrared Lamp(850nm)