

# SPECIFICATIONS FOR HANGKE **HIGH POWER** LED

## 杭科大功率红绿蓝色LED产品规格书



Model: HKP-PD0M6WN3



HangZhou HangKe Optoelectronics Co.,LTD.

[Http://www.hkled.com](http://www.hkled.com) 杭科光电



## 1. SPECIFICATIONS

### (1) Absolute Maximum Ratings

(Ta=25°C)

Item	Symbol	Absolute Maximum Rating	Unit
Forward Current	I <sub>F</sub>	350	mA
Pulse Forward Current	I <sub>FP</sub>	800	mA
Power Dissipation	P <sub>D</sub>	1.2	W
Junction Temperature	T <sub>j</sub>	120	°C
Operating Temperature	T <sub>opr</sub>	-30 ~ +85	°C
Storage Temperature	T <sub>stg</sub>	-40 ~ +100	°C
Soldering Temperature	T <sub>slid</sub>	265°C for 5sec.	

IFP Conditions : Pulse Width 10msec. and Duty 0.1

### (2) Initial Electrical/Optical Characteristics

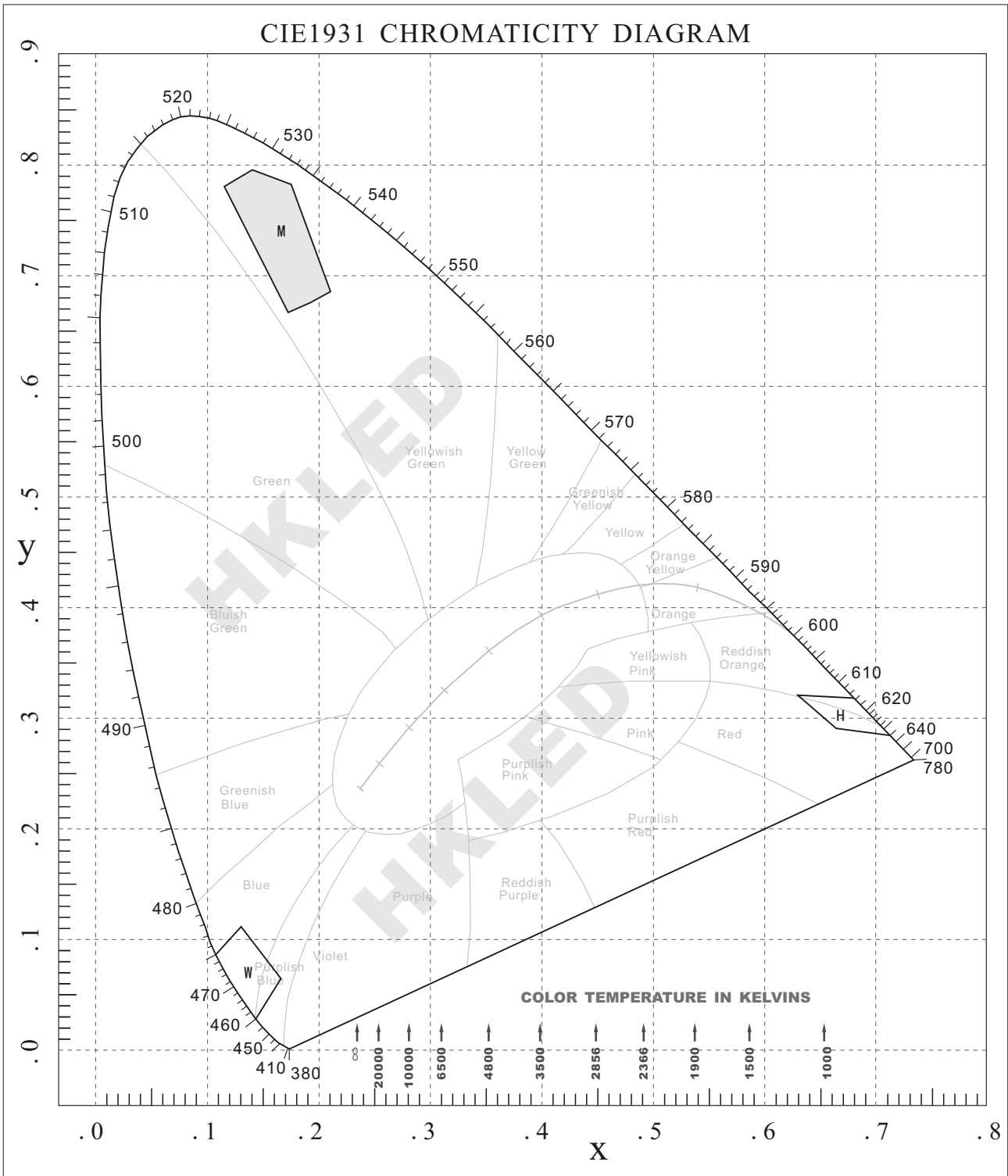
(Ta=25°C)

Item	Symbol	Condition		Min.	Typ.	Max.	Unit
Forward Voltage	V <sub>F</sub>	I <sub>F</sub> =350mA	Red	2.0	2.2	2.6	V
			Green	—	3.2	3.6	
			Blue	3.0	3.2	3.6	
Luminous Flux	φ <sub>v</sub>	I <sub>F</sub> =350mA	Red	—	35	—	lm
			Green	—	80	—	
			Blue	—	25	—	
Viewing Angle	2θ <sub>1/2</sub>	I <sub>F</sub> =350mA	—	—	120	—	Deg.
Dominant Wavelength	λ <sub>D</sub>	I <sub>F</sub> =350mA	Red	620	625	630	nm
			Green	520	525	530	
			Blue	450	460	470	



◆ Color Rank (Blue)

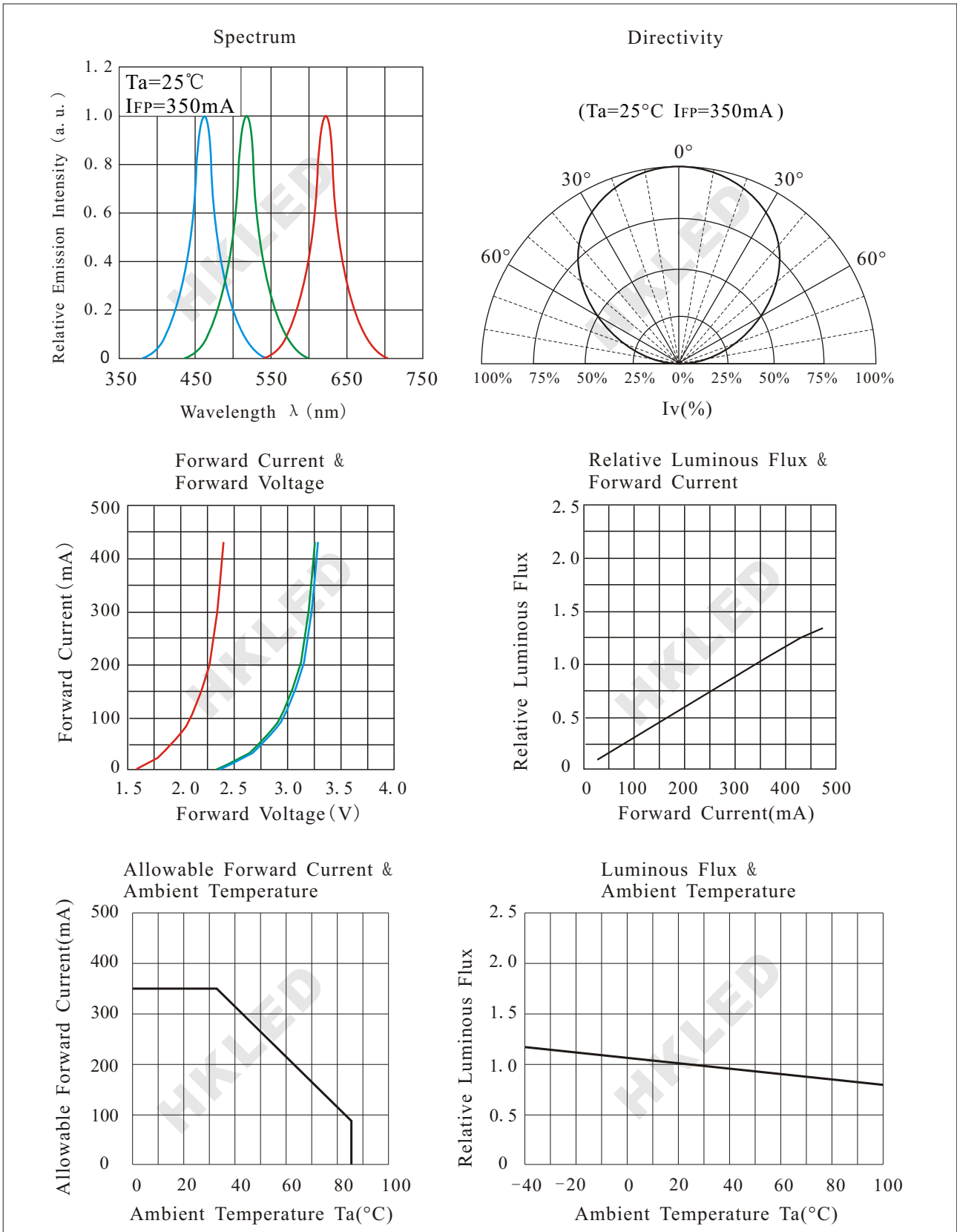
W	x	0.144	0.195	0.130	0.110		
	y	0.030	0.064	0.110	0.087		
H	x	0.680	0.714	0.666	0.630		
	y	0.320	0.286	0.290	0.320		
M	x	0.173	0.193	0.212	0.176	0.142	0.116
	y	0.653	0.662	0.672	0.770	0.782	0.767



Color Coordinates Measurement allowance is  $\pm 0.01$



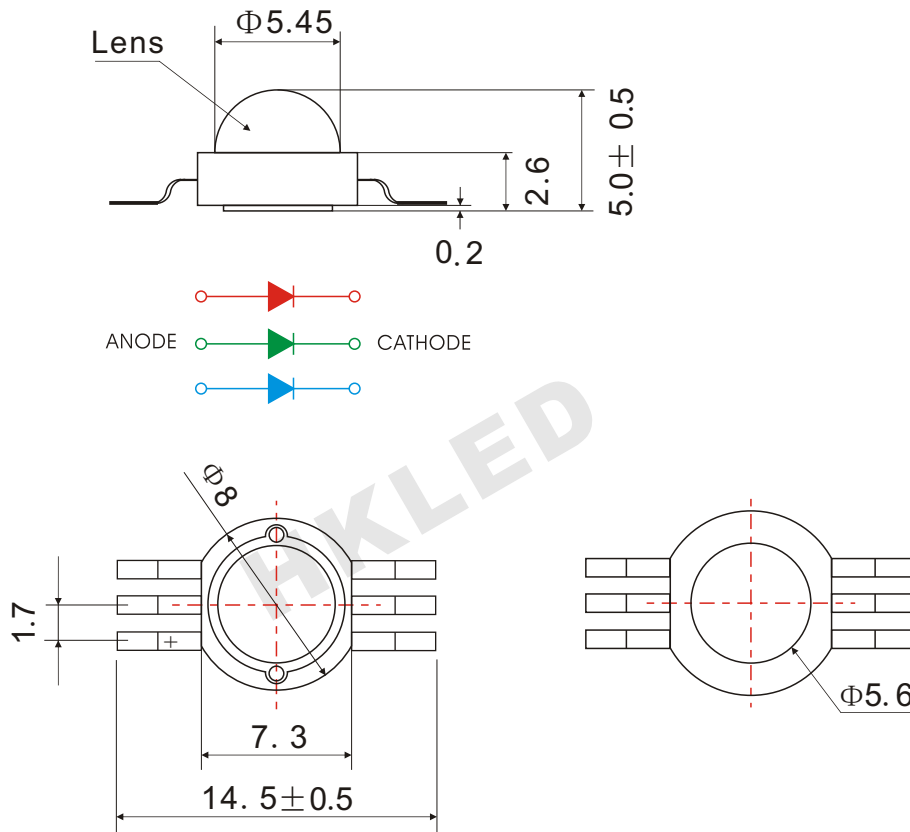
## 2. TYPICAL INITIAL OPTICAL/ELECTRICAL CHARACTERISTICS





### 3. OUTLINE DIMENSIONS AND MATERIALS

#### Package Dimensions



#### Notes:

1. All dimensions are in millimeters.
2. Tolerance is  $\pm 0.15$ mm unless otherwise noted.
3. Specifications are subject to change without notice.

- ◆ Lens Color: Water Clear
- ◆ Emitting Color: Highest Flux RED/GREEN/BLUE
- ◆ Chip material: AlGaInP/InGaN
- ◆ Package: Heat-Resistant Polymer
- ◆ Lens: Silicone Resin
- ◆ Encapsulating Resin: Silicone Resin
- ◆ Electrodes: Agplating Copper Alloy