

# High Voltage (HV) series 高压LED系列

High voltage LED Series is designed for applications including luminaires that have space limitations and cost sensitive retrofit bulbs. The voltage range from 50V, 100V and 200V supports both 110V and 230V solutions, enable minimizing smaller and less cost driver requirements. It is long lasting, safer solution, available in 1, 2 and 4 Watt.

葳天推出高电压LED系列，此LED系列有50/100/200伏特三款，并且有1/2/4瓦可供选择，供应给使用110伏特以及230伏特的国家的LED灯具产品使用。由於此模组是高电压，因此可以提升高压对高压的转换、提升驱动器效率、并且可小型化灯具及大幅降低驱动器的成本，因此灯具的空间设计变得更加容易。

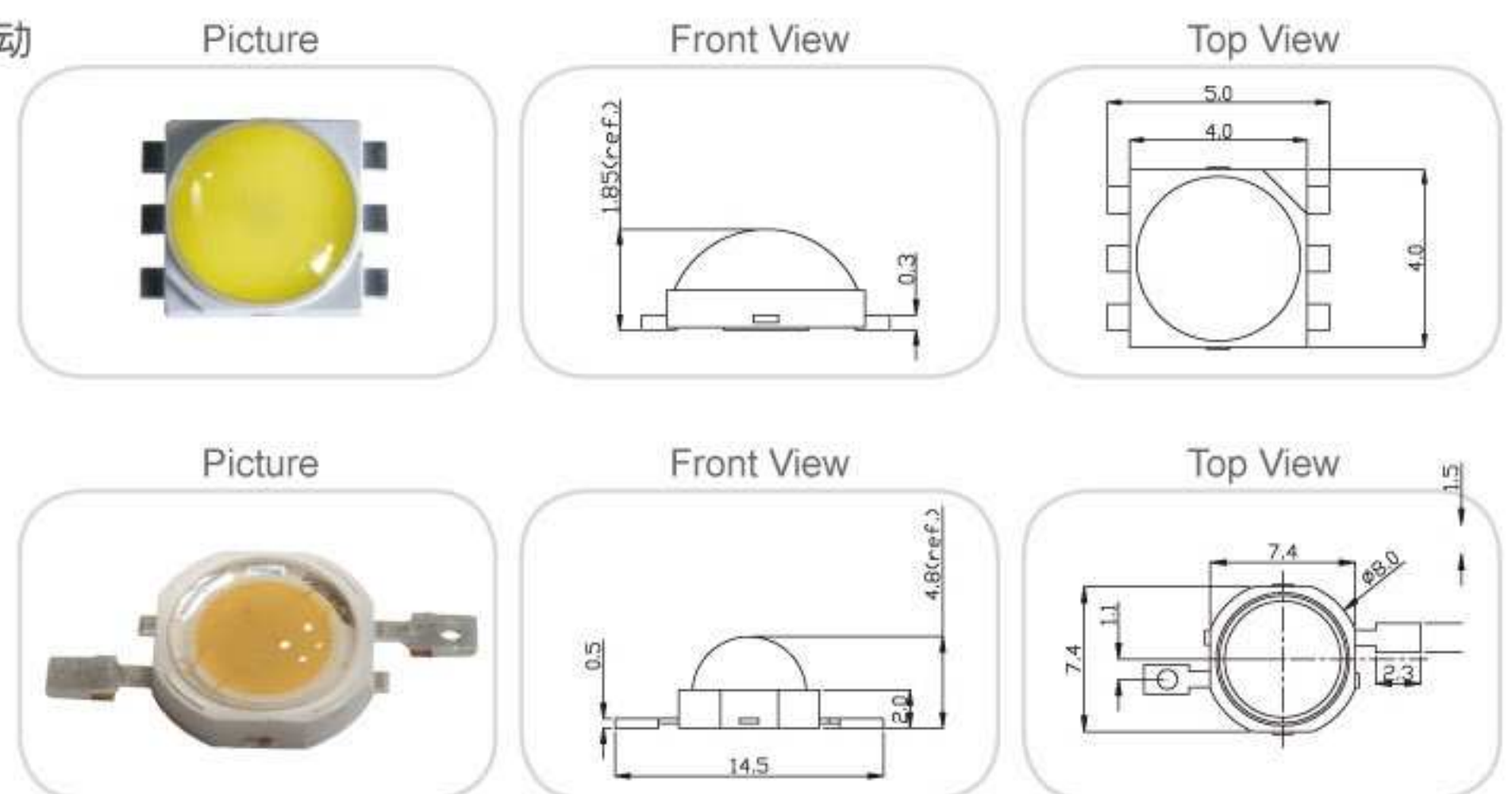
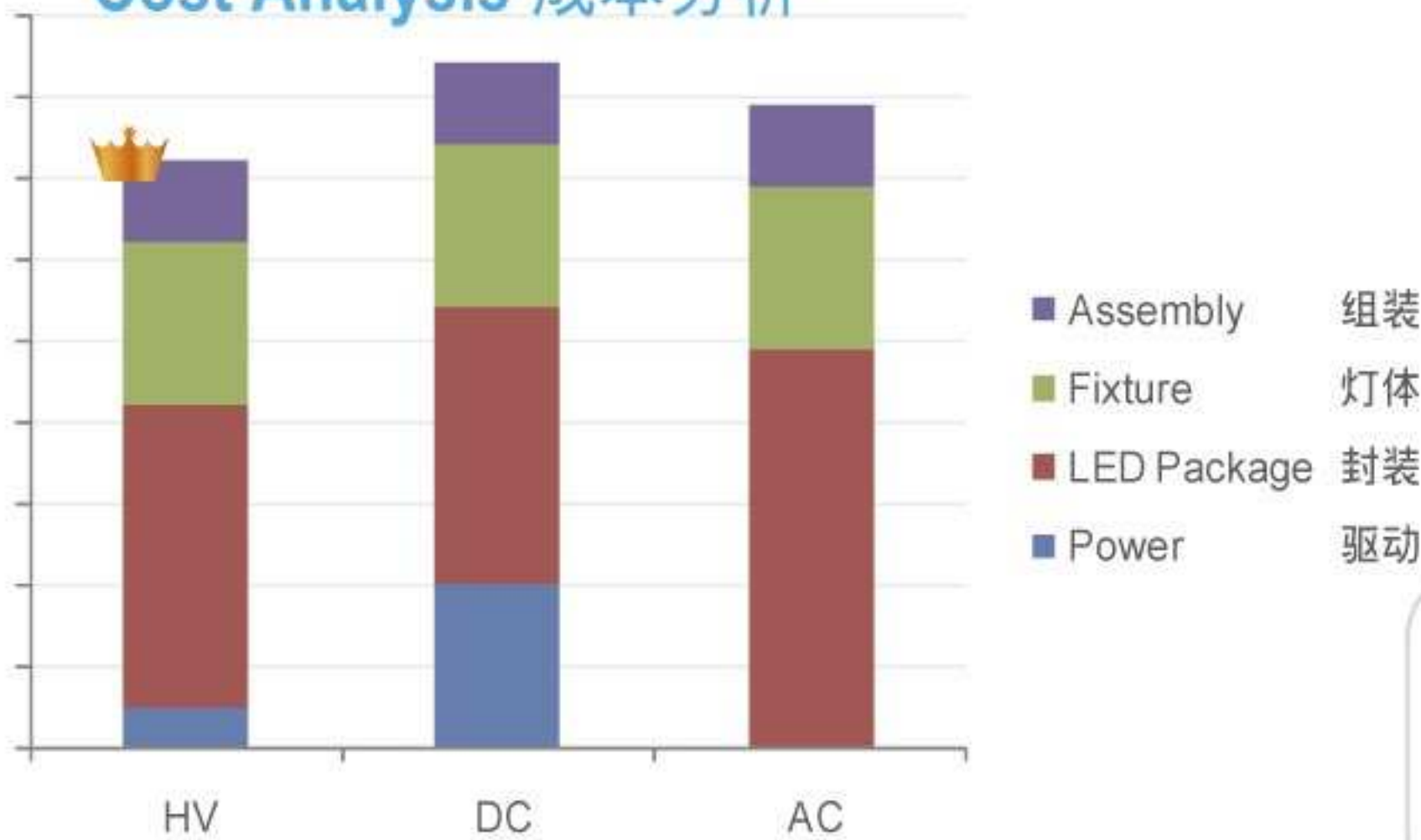
## Main Applications

- Smaller and cost sensitive luminaires.  
有严苛空间及成本限制的灯具
- LED bulb: Candelabra lights.  
LED灯泡: 蜡烛式灯
- MR16/GU10 etc.

## Features

- Voltage range: 50/100/200V  
电压选择50/100/200伏
- Minimize driver requirement  
简化驱动需求
- Cost effective  
提升成本效益
- easy to desing fixture  
灯具设计更简单
- Better efficiency of driver for high-high voltage conversion.  
高压对高压的转换，提升驱动效率
- CRI 73~80 available

## Cost Analysis 成本分析



## High Voltage (HV) series

Part No.	Color	CRI	Lumens Flux ( $T_B = 25^\circ$ )	Lumens Flux ( $T_B = 80^\circ$ )	Test Current	Vf(V)			CCT/ $\lambda_d$ (nm)	$2\theta_{1/2}$ [°]
						Min.	Typ.	Max.		
PPDV-1LWE-01	White	73	101	87	20mA	40	49	56	4260~7050K	Lambertian $2\theta_{1/2}=140^\circ$
PPDV-1LVE-01	Warm White	80	71	59		40	49	56		
PGD1-2LWE-01	White	73	174	150	20mA	80	100	120	4260~7051K	
PGD1-2LVE-01	Warm White	82	139	115		80	100	120	2870~3221K	
PGD1-4LWE-01	White	73	360	310	40mA	80	100	120	4260~7052K	
PGD1-4LVE-01	Warm White	82	265	220		80	100	120	2870~3222K	
PGD2-4LWE-01	White	73	360	310	20mA	175	200	230	4260~7053K	
PGD2-4LVE-01	Warm White	82	265	220		175	200	230	2870~3223K	

