

## High Power LED lamp

**BL-HP20AxxxS**

### ■ Features:


- 1W and 3W, 5W LEDs suitable for illumination lamps and decorative lighting
- Longer service and less luminosity loss, 50,000hours
- Different emitting colors are available
- Working current: 200-350mA, 700mA, 1050mA
- With or without heat sink are both available
- Lambertian, batwing and side emitting are all available
- Light output from 20 to 170 lumens

### ■ Applications:

Commercial lighting  
 Residential lighting  
 Decorative lighting

**1Watt Side Emitting**

### ■ Electrical-optical characteristics: (Ta=25°C) (Test Condition: IF=350mA)

1W Star with Side emitting type    Part Number	Chip		Lens Type	Forward Voltage(VF) Unit:V		Flux Unit:lm @350mA		Viewi ng Angle 2θ1/2 (deg)
	Emitted Color	λ <sub>p</sub> (nm) or CTT		Typ	Max	Min.	Typ.	
<b>BL-HP20AUECS</b>	Ultra Orange	630	Water Clear	2.2	2.75	18	27	160
<b>BL-HP20AUYS</b>	Ultra Yellow	590		2.2	2.75	22	25	
<b>BL-HP20APGCS</b>	Ultra Pure Green	525		3.2	3.8	18	25	
<b>BL-HP20AUBCS</b>	Ultra Blue	470		3.5	3.8	10	15	
<b>BL-HP20AUWCS</b>	Ultra White	6000k		3.5	3.8	20	30	
<b>BL-HP20AUW2CS</b>	Ultra Warm White	3200k		3.5	3.8	18	25	