

## High Power LED lamp

BL-HP20ExxxS

### 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 Side emitting Emitter    Part Number	Chip		Lens Type	Forward Voltage(VF) Unit:V		Flux Unit:lm @350mA		Viewing Angle 2θ1/2 (deg)
	Emitted Color	λ <sub>p</sub> (nm) or CTT		Typ	Max	Min.	Typ.	
<b>BL-HP20EUECS</b>	Ultra Orange	630	Water CSeal	2.2	2.75	18	27	160
<b>BL-HP20EUYCS</b>	Ultra Yellow	590		2.2	2.75	22	25	
<b>BL-HP20EPGCS</b>	Ultra Pure Green	525		3.2	3.8	18	25	
<b>BL-HP20EUBCS</b>	Ultra Blue	470		3.5	3.8	10	15	
<b>BL-HP20EUWCS</b>	Ultra White	6000k		3.5	3.8	20	30	
<b>BL-HP20EUW2CS</b>	Ultra Warm White	3200k		3.5	3.8	18	25	