

## High Power LED lamp


BL-HP20ExxB

### 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 Batwing

1W Batwing Emitter    Part Number	Chip		Lens Type	Forward Voltage(VF) Unit:V		Flux Unit:lm @350mA		Viewing Angle 2?1/2 (deg)
	Emitted Color	λ <sub>p</sub> (nm) or CTT		Typ	Max	Min.	Typ.	
BL-HP20EUECB	Ultra Orange	630	Water CBear	2.2	2.75	15	25	80
BL-HP20EUYCB	Ultra Yellow	590		2.2	2.75	20	23	
BL-HP20EPGCB	Ultra Pure Green	525		3.2	3.8	15	23	
BL-HP20EUBCB	Ultra Blue	470		3.5	3.8	8	13	
BL-HP20EUWCB	Ultra White	6000k		3.5	3.8	18	28	
BL-HP20EUW2CB	Ultra Warm White	3200k		3.5	3.8	15	23	