

LB-LED(30-120 W)

DC High Power LED Street Lamps



- Uniformly distributed light and color.
- Great illuminating angle: 120° or above.
- Accurate constant-current driving with current fluctuation less than 1mA.
- Strict temp control: Temp up at work is below 20 degree. Overheat protection will automatically starts if the operating temp is more than 70 degree.
- Special circuit protection: The protection can prevent whole circuit from current overflow or unbalanced caused by single failed LED, saving the whole lamp.
- Variable power: Total power can be reduced to half or 2/3 et on request to save energy.

• Technical characteristics

Type	LB-30W	LB-40W	LB-50W	LB-60W	LB-80W	LB-100W	LB-120W
Voltage range	10.5-30 V				20-30 V		
Power consumption	30 W	40 W	50 W	60 W	80 W	100 W	120 W
LED Qty	1 pcs	1 pcs	1 pcs	1 pcs	2 pcs	2 pcs	3 pcs
Supply current (±10%)	2.3 A @ 12.5 V	3.1 A @ 12.5 V	4.0 A @ 12.5 V	4.6 A @ 12.5 V	3.1 A @ 25 V	4.0 A @ 25 V	4.6 A @ 25 V
Luminous intensity	> 3200 lm	> 4300 lm	> 5500 lm	> 6500 lm	> 8500 lm	> 10000 lm	> 13000 lm
Luminous efficiency	> 110 lm / W (@ 12 V)				> 110 lm / W (@ 24 V)		
Service life	>50000 Hours						
LED Brand	BridgeLux-COB						
Casing material	Aluminum alloy die casting						
Light color	WW(typical: 3000 K),NW(typical: 4000 K),CW (typical: 6000 K)						
Ambient temperature	-30 °C to +40 °C						
Humidity max.	95% not condensing						
Type of protection	IP65						
Diameter for fit	ø60						
Dimension	310x150x75mm	310x150x75mm	480x230x110mm	480x230x110mm	630x260x110mm	630x260x110mm	630x260x110mm
Net Weight	1.5 Kg	1.5 Kg	2.5 Kg	2.5 Kg	3.5 Kg	3.5 Kg	3.8 Kg
Height	4-6 m	4-6 m	6-8 m	6-8 m	8-10 m	8-10 m	10-12 m

• Center luminance

Height min.	4 m	4 m	6 m	6 m	8 m	8 m	10 m
Center Illumination min.	≥ 30 lux	≥ 40 lux	≥ 30 lux	≥ 35 lux	≥ 30 lux	≥ 40 lux	≥ 35 lux
Height max.	6 m	6 m	8 m	8 m	10 m	10 m	12 m
Center Illumination max.	≥ 15 lux	≥ 20 lux	≥ 20 lux	≥ 25 lux	≥ 20 lux	≥ 25 lux	≥ 25 lux

Datasheet_LB LED (30 – 120 W)_1/1_e_2018-05-10_Subject to change without notice