

# LS-LED(30-80 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	LS-30W	LS-40W	LS-50W	LS-60W	LS-80W
Voltage range	10.5-30 VDC				20-30 VDC
Power consumption	30 W	40 W	50 W	60 W	80 W
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
Luminous intensity	> 3800 lm	> 5100 lm	> 6500 lm	> 7500 lm	> 10200 lm
Luminous efficiency	> 130 lm / W (@ 12 V)				> 130 lm / W (@ 24 V)
Service life	>50000 Hours				
LED Brand	Philips 3030-2D				
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	ø40			ø50	
Dimension	400x140x50mm	400x140x50mm	400x140x50mm	535x180x60mm	535x180x60mm
Net Weight	1.1Kg	1.2 Kg	1.3 Kg	1.4 Kg	1.5 Kg
Height	4-6 m	4-6 m	6-8 m	6-8 m	8-10 m

### • Center luminance

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