

Phaesun PN-OP LED Lamps

03.2012

High efficiency LED lamp in shape of a popular A19 bulb for off-grid application, especially where a connection to the grid is missing, e.g. chalet, tent, caravan. One of the world's first LED based off-grid LED bulbs. Through its very low power consumption it can be used with a 5 W solar panel and a small battery of 7-10 Ah only for a light time of min. 8 hours. Thus the total system cost can be reduced to a minimum.

The light output is comparable to a 30 W incandescent lamp, with the benefit of long live span of >50,000 hours. The lamps are suitable for a voltage of 12-24VDC. Additionally PN-OP LED lamps do not contain any mercury and they do not emit any UV/IR Radiation, which attracts insects. There is no flickering and cold start problem as known from CFLs. Also switching on/off does not affect lifespan, such as CFLs.



Technical Data	PN-OP 300 (warm white)	PN-OP 300 (cool daylight)	PN-OP 400 (warm white)	PN-OP 400 (cool daylight)
Input voltage [VDC]	12 - 24			
Luminous intensity 5000k [lm]	290	300	380	410
As bright as incandescent [W]	30			
Power Consumption [W]	4.2	4.2	5.3	5.3
Lifetime (L70) [hrs]	50,000			
Ignition time [ms]	<1			
Color rendering index [k]	80 for 3,000	70 for 5,000	80 for 3,000	70 for 5,000
Beam Angle	180°			
Available Colours [k]	3,000	5,000	3,000	5,000
Lamp base/Socket	E27			
Dimmable	on request			
Dimensions (X x Y x Z) [mm]	Ø 56			
Weight [g]	100			
Protection	IP22			
Article No.	303659	303660	303661	303662