

It runs with
the Sun

PowerCom

GREEN

LED Bulb Lighting

Product Description-Bulb >>

Chips-On-Board is a new technology of LED integration for LED light engine. Multi LED chips are integrated together as one lighting module. COB can increase 10 times more lighting area. Solar power driven LED BULB is new cutting edge technology with advantage of saving energy and very long lifespan compare to traditional lighting such as fluorescent and incandescent lamp. POWERCOM-an ISO 9001:2008 certified company is offering lucrative GREEN LED BULB to the rural people of Bangladesh in solar application with economy price and quality.



Technological Disadvantages >>

- * Viewing angle not 360 deg
- * As it is super bright in a small size, it cause uncomfortable glare
- * Do loss light efficacy when it pass through diffuser
- * Photo biological safety recommended due to blue-hazard

Technological Advantages >>

- * **Tremendous Energy Saving:** In the same brightness saving more than 80-90% energy compared with conventional lamps
- * **Super Long Lifespan:** Lifespan can be up to 50000 hours, equivalent to energy-saving lamps 5 -10 times
- * **Low Heat Dissipation:** Solid cold light source, epoxy resin packaging, lower heat dissipation
- * **Healthy and Eco-friendly:** No flash, no mercury or other hazardous materials, accord with RoHS
- * **Good Color Rendering:** Lossless, color restore, visual clarity
- * **Vibration Resistance:** Made of Space aluminum, Strong and not easy to damage or break
- * **Efficiency:** Instant start, Low maintenance cost, No RF Interference, good performance

Technical Parameters: Optical and Electrical >>

Model	Operating Voltage	Power	Luminous Flux in lm	CCT(°K)	Luminous Color
PCM01B	12VDC	1W	90	6500	cool white
PCM03B	12VDC	3W	270	6500	cool white
PCM05B	12VDC	5W	450	6500	cool white

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Beam angle	: >170°
LED working lifetime	: >35000Hr
Electrical lifetime	: >50000Hr
Luminaire efficiency	: ±85%
Storage temperature	: -20 ~ + 40°C
Working temperature	: -10 ~ + 55°C
Working humidity	: 10%-70%RH
Color rendering index (CRI)	: Ra>75(6500°K)

Salient features >>

Parents company Approvals	RoHS,CE,UL
Color Tones	Cool Color/Warm color
Base/Holder	E27
Light Source Chip	CREE
LED integration	SMD
Body material	Integrated Stretching Aluminum
Diffuser	Milky PC / Frosted

General features >>

- * Easy hanging to wall and roof
- * Easy maintenance
- * Edison 27 holder to mitigate loose connection
- * No blackening problem
- * Huge illumination over the life time
- * 72hours aging test
- * Special circuit design, each LED working separately, no influence from broken ones
- * Adopting insulation power supply driver to make electrical performance stable and reliable. No RF interference problem
- * Applying surface oxidation treatment, to resist corrosion and oxidation
- * Parents' company have approval of biomedical safety test

Applications >>

- * Suitable for rural photovoltaic lighting in home, office etc
- * Suitable for indoor lighting in home, office, meeting room etc
- * Suitable for the lighting of shopping mall, exhibition hall, supermarket, hotel etc
- * Suitable for the lighting of light box and window advertising



Power Control & Management

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