

It runs with
the Sun

PowerCom

DAY LIGHT

LED Tube Lighting(AC)

Product Description-Tube >>

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.

Tube LED solar operated lighting is new cutting edge technology with advantage of saving energy and very long Life span compare to traditional lighting such as fluorescent and incandescent lamp. T5\T8 4 foot LED tube replacement bulb for tradition 37 Watt 4 foot fluorescent tube. Light output comparable to 37 Watt fluorescent tube. Consumes 17 Watts of power using 300 high power SMD LEDs. This tube contains no mercury and is in accordance with CE and FCC testing standards in addition to being UL classified. Available in Pure White or Cool White or Warm White with 120° beam angle. POWERCOM-an ISO 9001: 2008 certified company is exploring radiant LED lighting for the civilian people of energy-starved Bangladesh with very bottom rock price maintaining quality management system.

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



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Technical Parameters: Optical and Electrical »

Product Specifications			
Beam Pattern	120 degree	Bulb Type	T5/T8
CRI	80 CRI	Dimmable	No
Efficacy	94 lm/w	IP Rating	Non-Weatherproof
LED Quantity	300 LEDs and on wattage	LED Type	SMD
Lens Color	Diffuser	Lifetime	50000 Hours
Lumen	1600 Lumen	Lumen Per Foot	400 lm/ft
Lumen Per LED	5.3	MCD Per Foot	127500 mcd/ft
MCD Per LED	1700	Polarized	No
Standards And Certifications	CE/FCC/ROHS Compliant/UL Classified	Total Power Consumption ¹	17 Watts
Type	Tubes	Viewing Angle	120 degree
Operating Voltage Range	100~270 VAC		
Dimensions: 121.9cm(47.99") x 3.3cm(1.3") x 3.3cm(1.3")			
All specifications are subject to change without notice			
1. Total product power consumption, measured in watts, including drive circuitry and controllers that make up the entire lamp			

Features »

- * Universal voltage range 100~270VAC
- * 17 Watt LED T5/T8 tube replaces traditional 37 Watt fluorescent bulb
- * Internal driver, no external ballast or starter needed
- * Easy retrofitting to fluorescent's fixture
- * Low energy and maintenance cost
- * High Color Rendering Index: 80 CRI
- * Large operating temperature range: - 20 ~ + 55°C
- * Instant on even in extremely cold temperatures
- * No strobing or flickering
- * 5 year limited warranty
- * Certifiably Safe & Environmentally Sustainable

Salient features »

Parents company Approvals	RoHS,CE,UL
Color Tones	Cool Color/Warm color
Base/Holder	3-PIN /G4
Tube Diameter	T8/T5
Light Source Chip	CREE
Integration of LED	SMD
Body material	Extruded Aluminum
Diffuser	Milky PC/Frosted

General features »

- " Easy mounting to wall and roof by CLOP
- " Easy maintenance
- " Auto lock pin holder or G4 to mitigate loose connection and wrong polarity
- " No blackening problem
- " Huge illumination over the life time
- " 72hours aging test
- " Special circuit design, each LED working separately, no influence from broken ones
- " Isolated driver to protect RF interference and electrical wave
- " Applying surface oxidation treatment, to resist corrosion and oxidation
- " Parents' company accord with biomedical safety test

Applications »

Hotels / Conference Rooms / Factories / Offices / Commercial Complexes / Residential / Institutional Buildings / Schools, Colleges & Universities / Hospitals

Certifiably Safe & Environmentally Sustainable »

- * 100% Recyclable * Mercury, Lead, and UV free * RoHS compliant, no Pb * FCC, CE certified * UL classified



Power Control & Management

Head Office & Factory : BSCIC Electronics Complex, Level-06, 1/1 Industrial Plot Main Road - 03, Avenue - 04, Section - 07, Mirpur-11, Dhaka-1216, Bangladesh

Phone : +88-02-9014710, 8035077, Fax : +88-02-8051042

Email : info@powercom.com.bd, Web : www.powercom.com.bd

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