



## Environmental LED Lighting Solutions

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# 22-Watt LED TUBE LIGHT

|                   |  |
|-------------------|--|
| LED SOURCE / CHIP | High Powered Bridgelux 3528 LED's                |
| WATTAGE           | 22 watts + 1.5 watts for Constant Current Driver |
| INPUT VOLTAGE     | 240V   |
| LUMEN             | Warm White = 1950Lm, Cool White = 2112Lm         |
| LIGHT COLOR       | Warm White, Cool White, Red, Green, Blue, Yellow |
| BEAM ANGLE        | 120 Degrees                                      |
| DRIVER            | Australian Certified High Quality LED Driver     |
| DIMMABLE          | No (Dimmable models available)                   |
| LIFESPAN          | >50,000 Hours                                    |
| STANDARDS         | Australian C Tick, CE & RoHS                     |
| HOUSING           | Polycarbonate, Aluminum Alloy Back               |
| DIMENSIONS        | Face Diameter: 106mm, Height: 70mm               |
| WARRANTY          | 2 Years  |

**It's a once-in-a-generation breakthrough in business and home lighting** - an alternative to harsh fluorescent tubes. The T8 tube combines the energy savings and no maintenance of eco-friendly LED technology with affordability and excellent colour quality. So take a look at what these lights can do for your business, and you'll never look at light the same way again.

Energy-efficient T8/bi-pin LED lighting tubes are the latest fluorescent replacement LED lighting product available. The T8 bi-pin LED fits into standard G13 bases and is designed to directly replace conventional T8 fluorescent tubes that provide general lighting for commercial, residential and architectural lighting applications. The 22watt T8 long white tubes provide the equivalent light output of 36 to 56-watt fluorescent tubes while consuming less than a maximum of 24-watts.

When it comes to rated life, **the Enviro T8 22watt LED Tube series is unbeatable**. While conventional fluorescent lamps typically have a rated life in the range 6,000 to 20,000 hours, the Enviro T8 22watt tube has an operating life of 50,000 hours and more or 5.7 years of continuous light. Furthermore, since the LED lights produce so little wasted heat, the temperature inside the fixture does not build up as it does with conventional fluorescent tubes. The sturdy construction of a UV-resistant polycarbonate housing over the LED tube provides increased protection (no glass to break) and shielding against many environmental effects. Allowing them to be placed in locations where typical lights would be more vulnerable to the elements. In addition, LEDs perform well in temperatures from -35C° to +75C°, making them ideal for applications subject to frequent on-off cycling, such as garages and basements, while the aluminum back cover helps with heat dissipation and a longer lifetime for the LEDs.



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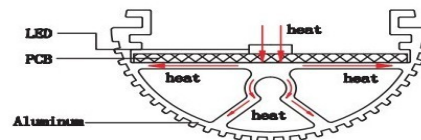


The Enviro T8 LED Tube delivers up to 2,112 lumens at a color temperature of 6500K (cool white) and 1,950 lumens at a color temperature of 3000K (warm white), compared to the average 810 lumens for equivalent conventional fluorescent tubes. They provide a brightness of up to 429 maximum foot candela across a 114-degree beam pattern, with an impressive CRI of 80.

Other benefits of LEDs over fluorescents include:

- Quick and easy installations to minimize retrofit costs
- No ballast and starter needed, thus no radio frequency to interfere with radio and television signals
- Instant, full-strength light up
- No buzzing or flickering
- Directional distribution of light
- Suitable for interior task lighting

### Excellent heat dissipation



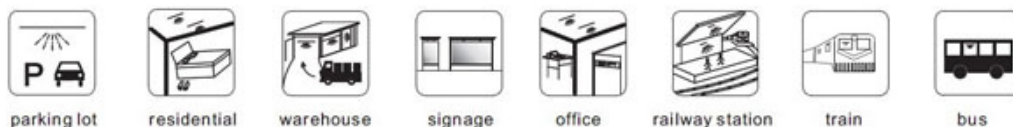
Solid-state design renders LEDs resistant to shock, vibration, frequent switching and environmental extremes. Savings from reduced maintenance costs and downtime quickly return the capital investment expenditure, making them as friendly to the environment as they are to the operating budget. The positive environmental impacts of LED lights additionally come from the consistent, reduced power consumption, long service life, high-quality light, and cold temperature operation, with the corresponding reduction in greenhouse gases and the reduced waste from fewer replacements. **Unlike conventional fluorescent bulbs, LED lights are not disposed of as hazardous waste at the end of life.**

The Enviro T8 LED Tubes comply with RoHS-the lead-free and mercury-free directive, as well as the CE safety assurance. They emit no infrared or ultraviolet radiation, and effectively reduce light pollution.

The Enviro T8 LED Tube (1200mm) comes in two colors: Warm White or Cool White. Other viewing angles, tube lengths and a variety of LED colors are available for OEM customers. Large-quantity discounts are available for qualified distributors.

### Application:

Widely used in supermarkets, hotels, Residential lighting, underground car parks, business offices, schools, factories, gyms, lighting boxes, building decorative lighting projects and so on.



### Package:

1. Adopts imported high-grade environmental Riley Long thick card as packaging material;
2. Professional box lined design, the T8 LED tube are well protected in transit
3. Neutral Screen
4. Net weight of each product: 345g±3g



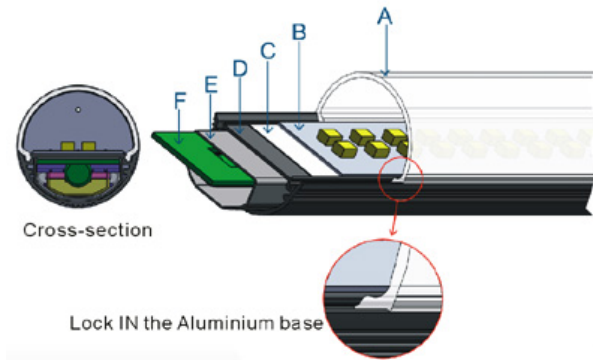
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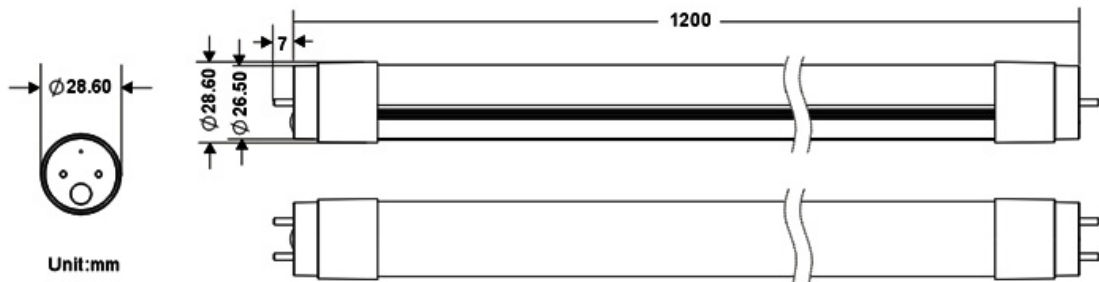


### External Structure:

- A. PC cover with Japan material
- B. Al-base
- C. Silicone thermal pad (ZSA)
- D. D-shape Aluminum slot
- E. PC cover of power supply
- F. Power supply



### Dimensional drawing:



### 1. Basic Parameters

| Type     | LED type | Size         | Input voltage | Frequency | Working temperature | Life   |
|----------|----------|--------------|---------------|-----------|---------------------|--------|
| EV-FT-22 | 3528 SMD | φ28.6×1200mm | AC90-265V     | 50-60HZ   | -35-75°C            | 50,000 |

### 2. Technical Parameters:

| Type        | CCT Range  | Colour Temperature | LED Q'ty | Lumens of each LED | Power | Comparison with traditional ones |
|-------------|------------|--------------------|----------|--------------------|-------|----------------------------------|
| EV-FT-22-CW | Cool White | 5000-7000K         | 336PCS   | 7.0~8.0lm          | 22W   | 58W                              |
| EV-FT-22-WW | Warm White | 3000-3500K         | 336PCS   | 7.0~8.0lm          | 22W   | 58W                              |

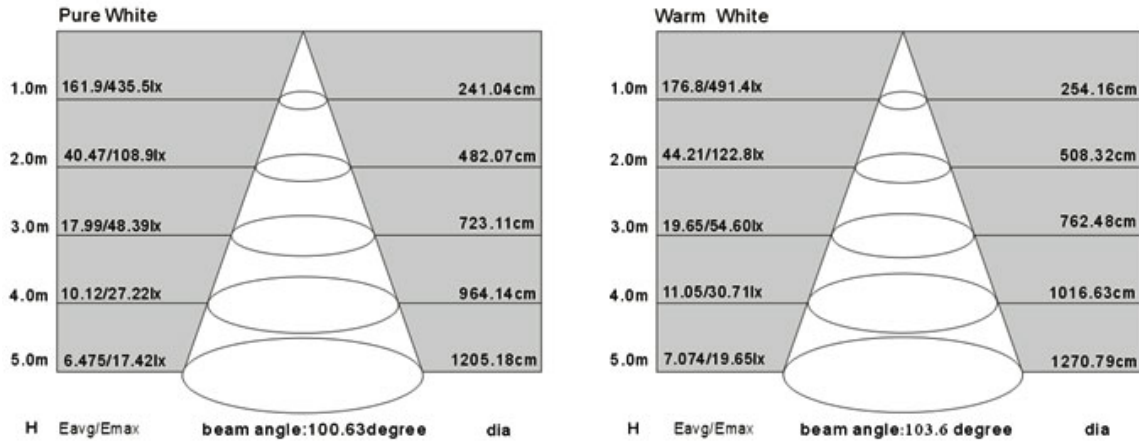


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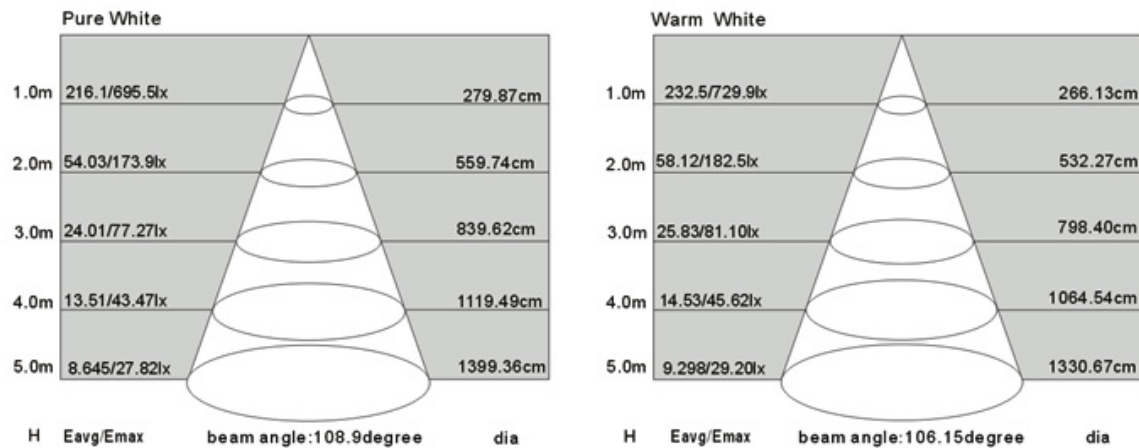


### Illumination map of PC milky cover:



Note: Curve for the T8 LED tube under different light projection distance and the average intensity of regional

### Illumination map of PC transparent cover:



Note: Curve for the T8 LED tube under different light projection distance and the average intensity of regional

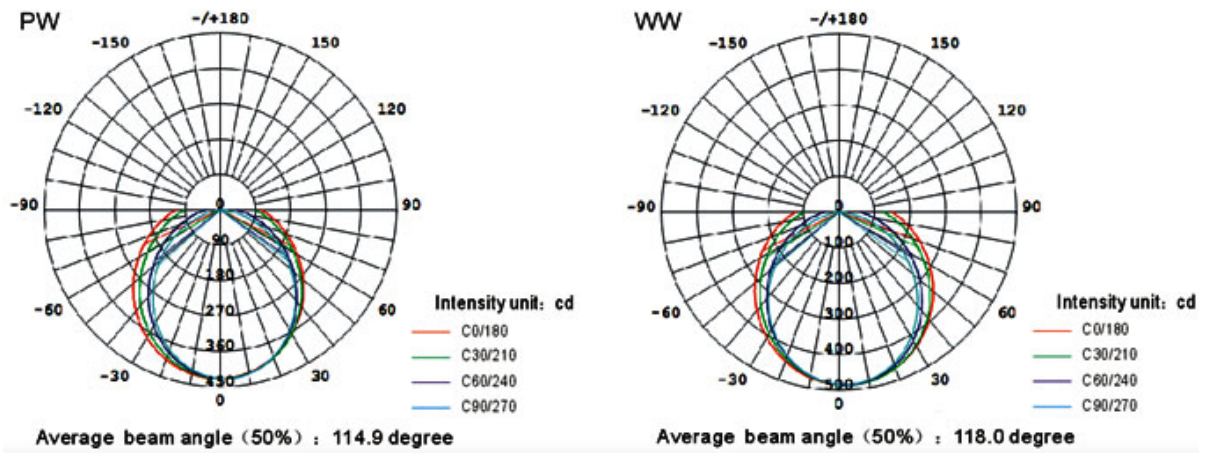


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### Light distribution curve of PC milky cover:



### Light distribution curve of PC transparent cover:

