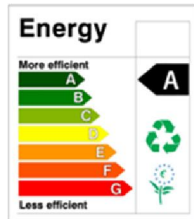


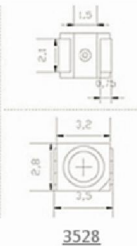


## All in one LED Emergency Tube

— integrated the lamp, battery, charger and control equipment.



LED chip: EPISTAR  
Conductive Adhesive: SHINETSU  
Phosphors: Nemoto



**CHLIK** 创力卡

LED lighting design • manufacturing

### Product design:

- In recent years, emergency lighting has started to move away from the traditional two-head unit - with manufacturers stretching the concept of emergency lighting to accommodate and integrate emergency lighting **into the architecture**.
- Modern Emergency Light, that a more focused, brighter, wide-coverage and longer-lasting light that can illuminate an area quite well to complete key work to reduce losses.
- UK code of practice requires that there must be at least one emergency lighting in every five lightings
- All in one LED Emergency Tube® which integrated the lamp, battery, charger and control equipment, that means 'all in one'.
- All in one LED Emergency Tube® which be install similar to that of normal tube, make efficiency is increased and installation costs are lower.

## Product overview:

- Integrated, easier to transport and install
- Function and Discharge test button, maintained operation
- Battery OFF button
- Indicator light: Green(Charging) ; Red(discharging)
- IP52 rating(Interior use)
- Backup duration: >3 hours
- high-temperature battery



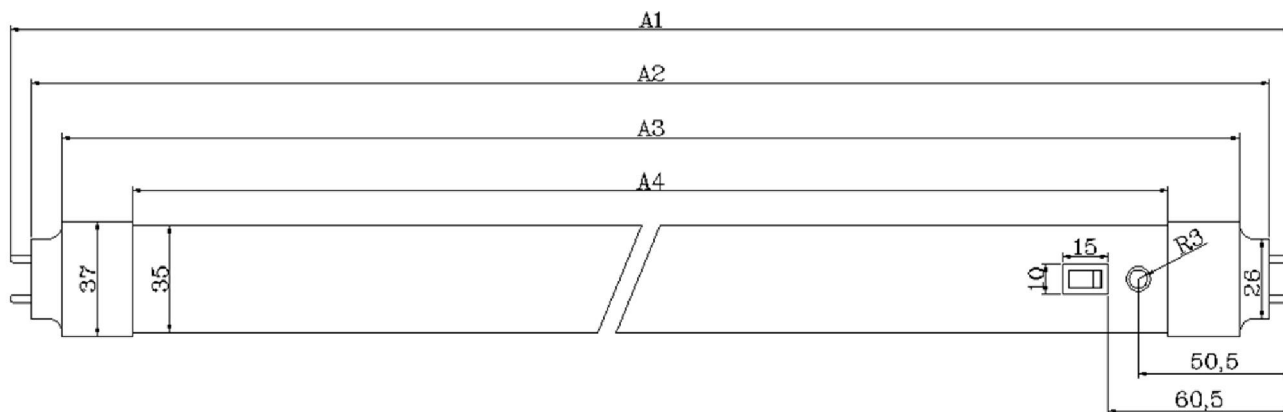
## Electrical Characteristics:

- |   |   |
|---|---|
| 1. Input Voltage: 100V-240V AC 50/60Hz                                  | 2. Derating of unit LED electric current: <18mA       |
| 3. Power factor: $\geq 0.95$  | 4. THD: <15%  |
| 5. Isolate Driver   | 6. Off-State Power: zero                              |
| 7. EMC&EMI: included  |   |
| 8. Operating temperature: -30 (min), 45 (max) C    T-case maximum: 55°C | 9. Battery capable of 500 charge and discharge cycles |
| T-Storage: -40 (min), 65 (max) C  |   |

## Datasheet:

Model No.	length	Cap-base	Power	Power (emergency state)	Battery capacity	Charging current(mA)	Discharging current(mA)	Backup duration	Dimension(mm)
T1228F-AE	60cm/2ft	G13	8W	2.5W	4.8V 1800mAh	300mA	45mA	>3 hours	A1: 614mm A2: 600mm A3: 580mm A4: 533mm
T12418F-AE	120cm/4ft	G13	18W	4.5W	12V 1600mAh	200mA	100mA	>3 hours	A1: 1214mm A2: 1200mm A3: 1180mm A4: 1133mm

## Dimensioned drawing:(mm)



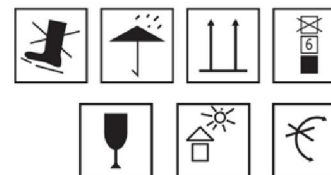
Model No.(example) Net weight:

2ft: T1228F-AE 358g/pcs

4ft: T12418F-AE 1250g/pcs

## Safety information:

- The Tube and its components can not be mechanically pressed.
- Correct electrical polarity needs to be observed.
- Pay attention to ESD precautions during assembling.
- Parallel connection is highly required as safe electrical operation mode.



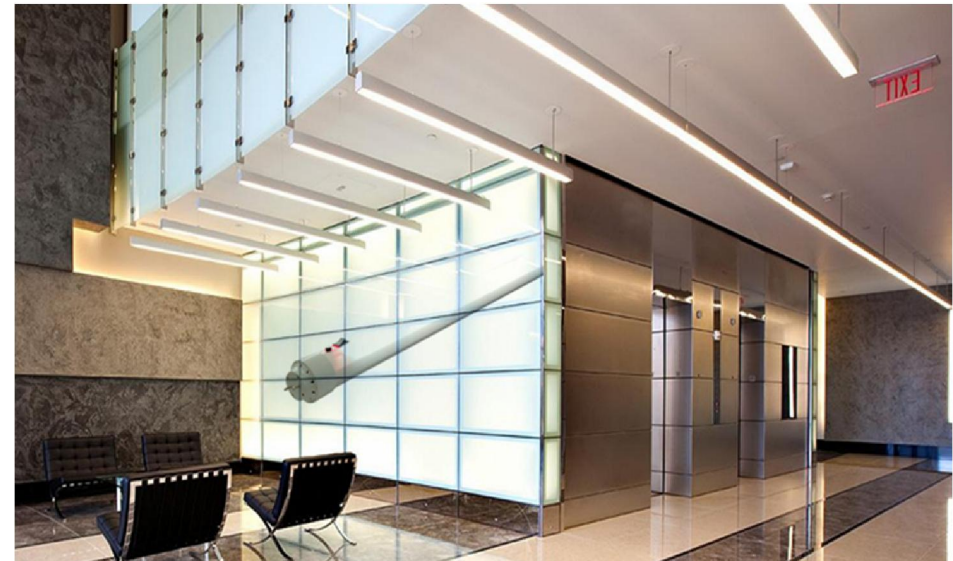
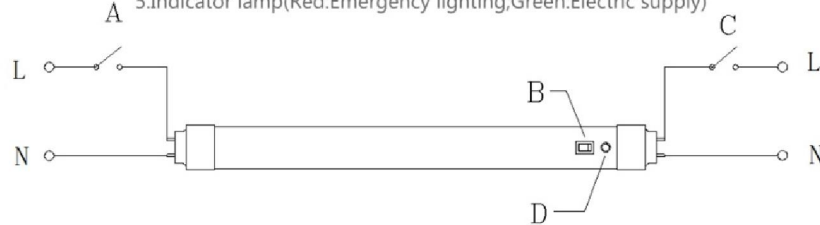
## Pictures:



## All in one LED Emergency Tube

Wiring connecting and function:

- 1.General Lighting (switch A)
- 2.Emergency Lighting (switch B)
- 3.Battery Charge (switch C)
- 4.Function Test (button D)
- 5.Indicator lamp (Red:Emergency lighting;Green:Electric supply)



## Warranty Policy

### Warranty Duration

Normally 3-year warranty is offered.

### Warranty Cost

During the warranty time the new products are compensated by us to replace defective ones which have been confirmed by mutual sides.

### Warranty Criteria of Defects

1. One or over one piece SMD or COB LED fails to illuminate.
2. The whole or half of light fails to illuminate.
3. The ray of lights obviously flickers.
4. Other reasons that have been confirmed by mutual sides.

### Warranty Procedure

Photos of the defective parts will be taken by the customers and sent back to us. Through the pictures,

- a) If we can figure out the defective reason, then shipping the defective ones back is not necessary but directly compensating new products.
- b) If we cannot figure out the defective reason, the defective ones will be shipped back to us for deeper analysis. Freight cost will be paid by us.

Shenzhen Chlik Electronic Technology CO.,Ltd.  
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