

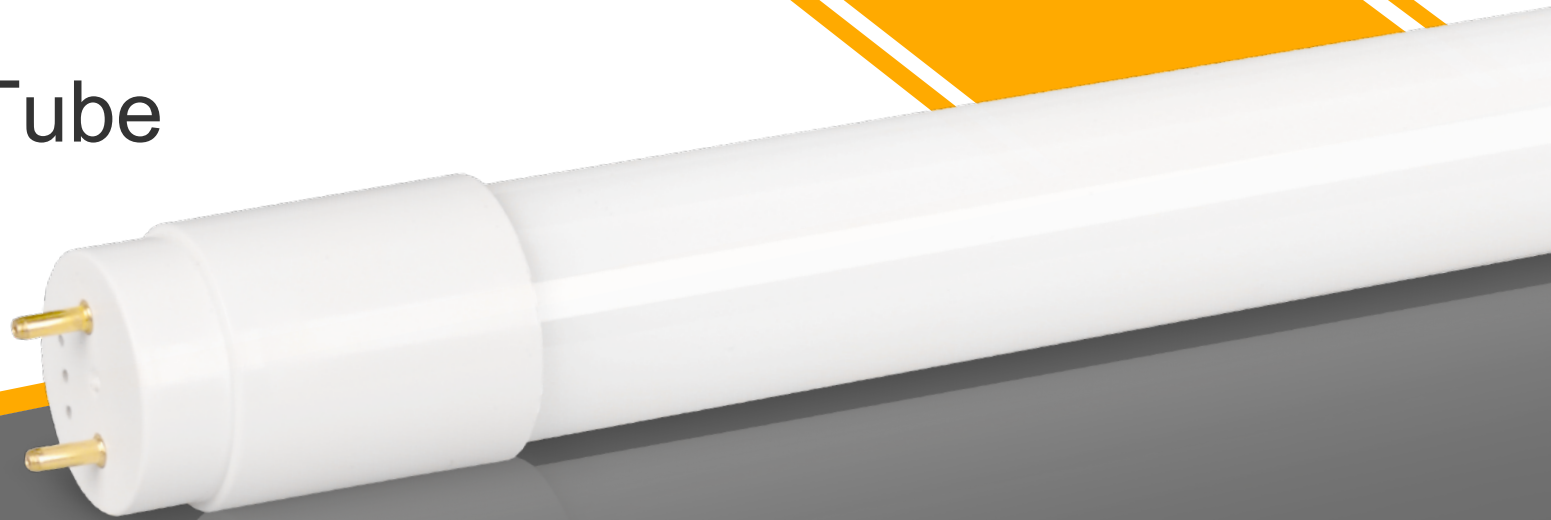


Flicker free


Class A: 210lm/w

Class B: 185lm/w

T8 LED Glass Tube



 No.47,XiangYuan Rd, Hangzhou

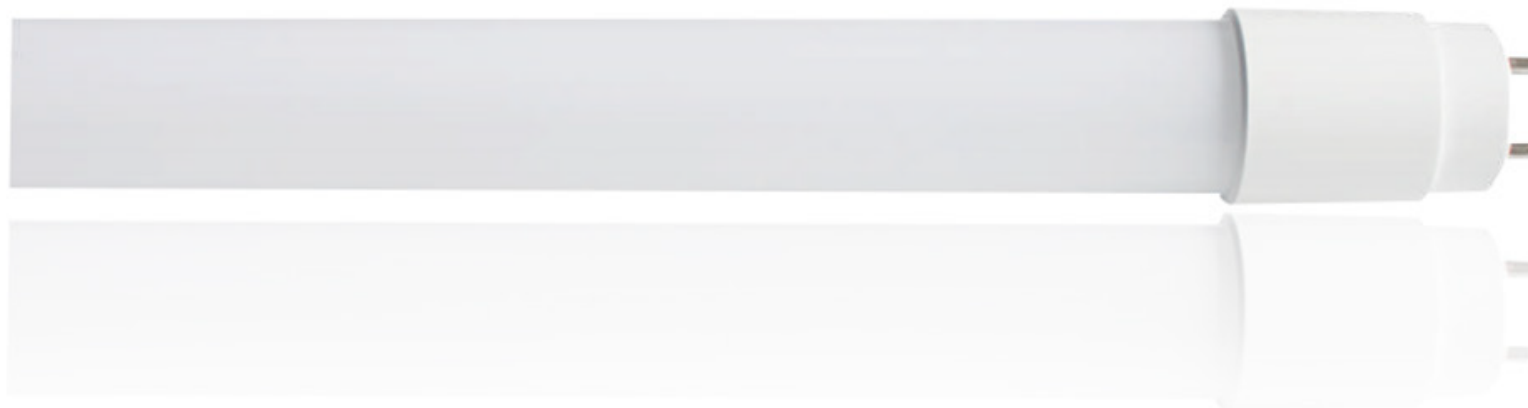
 +86-571-56017172

 www.holux.cc

ErP
(EU) 2019/2020



Product Details



Advantages



Product Features

● Highly reliable

New innovation led package inside, together with most reliable electronic and other materials to ensure good performance during -20°C to 45°C ambient temperature.

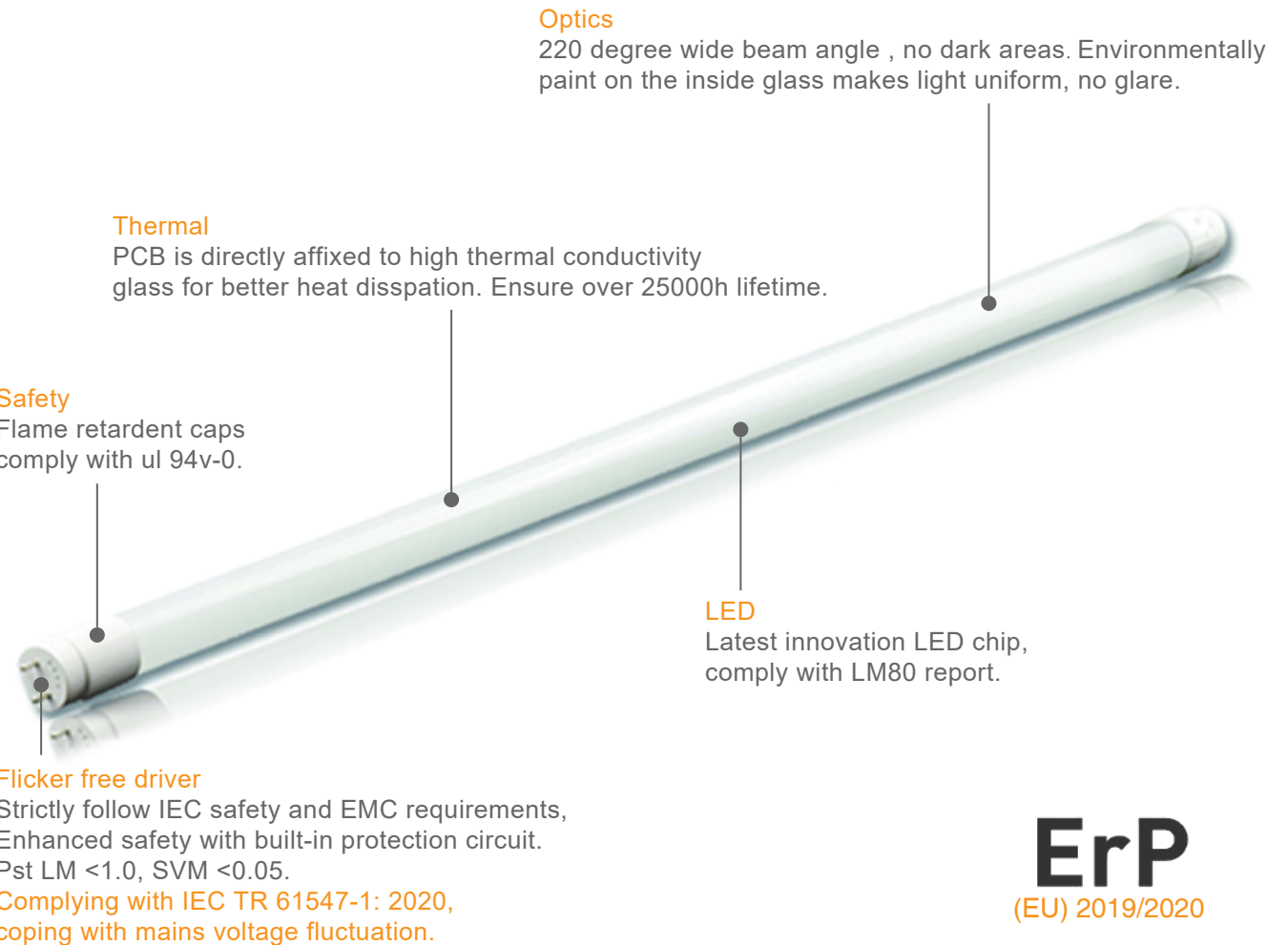
Strictly controlled THD and EMI, ensuring good performance under complex application conditions.

● Highly safe

Protection circuit inside ensuring peoples safety in case of mis-use, complying with IEC safety requirements.

Passed 4KV high-pot test,insulation& safety guaranteed.

Passed 1KV surge test,avoiding the damage caused by input voltage fluctuation and lightning strike.



ErP
(EU) 2019/2020

| Advantages



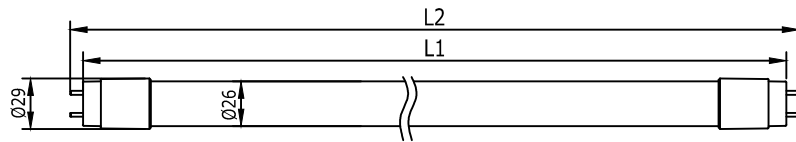
LED PC+Aluminum tube VS LED Glass tube



Light Transmittance
Aging Resistant
Deformation
Thermal conductivity
Beam Angle

	PC+Aluminum	Glass
Light Transmittance	Low	High
Aging Resistant	No	Yes
Deformation	Yes	No
Thermal conductivity	High	General
Beam Angle	120°	220°

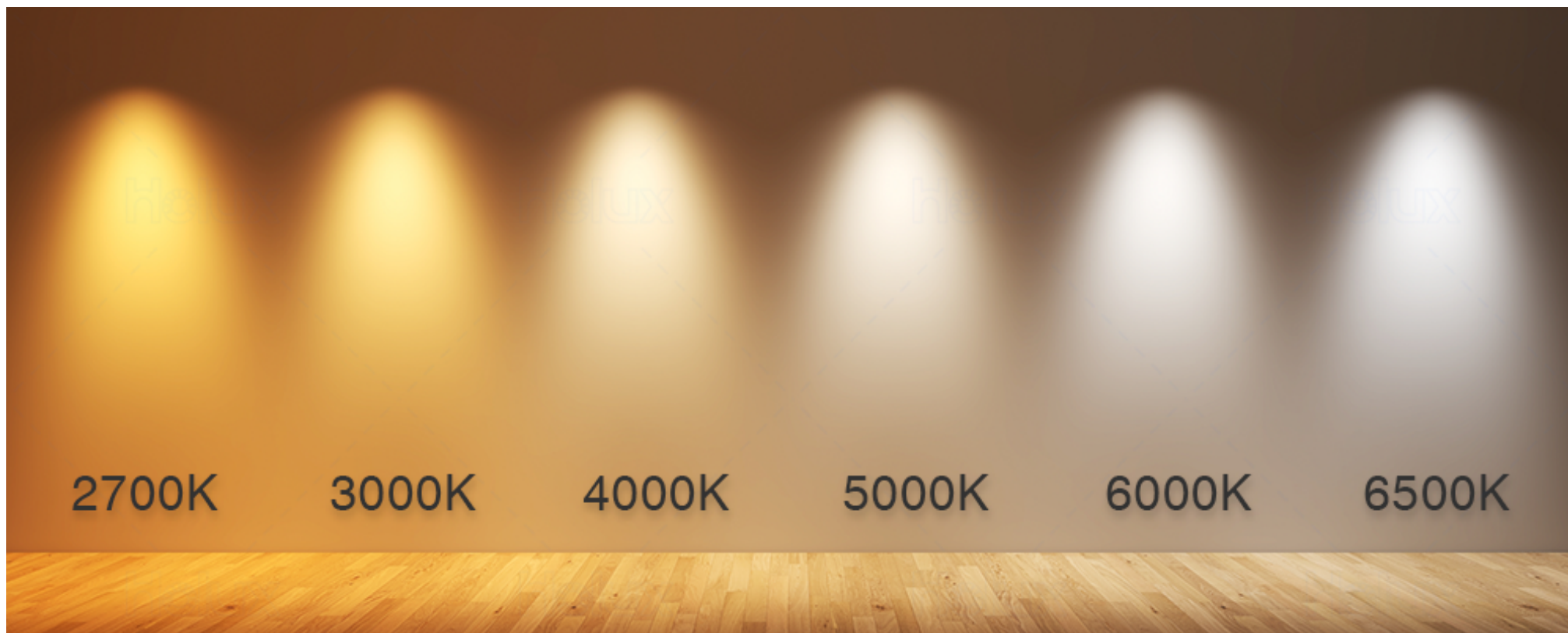
Specifications



Dimension Length	L1	L2
0.6M	588	602
1.2M	1198	1212
1.5M	1498	1512


Product Code	Size (mm)	Wattage	Input Voltage	Light Efficiency	Luminous Flux	CCT	CRI	PF	Energy Efficiency Classes	Beam Angle
T8-L12-12A2	$\Phi 26 \times 1212$ mm	12W	220-240V	210 lm/W	2520 lm	3000-6500 K	>80	>0.9	A	220°
T8-L15-17A2	$\Phi 26 \times 1512$ mm	17W	220-240V	210 lm/W	3570 lm	3000-6500 K	>80	>0.9	A	220°
T8-L06-09B2	$\Phi 26 \times 602$ mm	9W	220-240V	175 lm/W	1575 lm	3000-6500 K	>80	>0.9	C	220°
T8-L12-15B2	$\Phi 26 \times 1212$ mm	15W	220-240V	185 lm/W	2775 lm	3000-6500 K	>80	>0.9	B	220°
T8-L15-20B2	$\Phi 26 \times 1512$ mm	20W	220-240V	185 lm/W	3700 lm	3000-6500 K	>80	>0.9	B	220°
T8-L06-7.5C2	$\Phi 26 \times 602$ mm	7.5W	220-240V	160 lm/W	1200 lm	3000-6500 K	>80	>0.9	C	220°
T8-L12-15C2	$\Phi 26 \times 1212$ mm	15W	220-240V	160 lm/W	2400 lm	3000-6500 K	>80	>0.9	C	220°
T8-L15-20C2	$\Phi 26 \times 1512$ mm	20W	220-240V	160 lm/W	3200 lm	3000-6500 K	>80	>0.9	C	220°
T8-L06-09D1	$\Phi 26 \times 602$ mm	9W	220-240V	135 lm/W	1215 lm	3000-6500 K	>80	>0.5	D	220°
T8-L12-18D1	$\Phi 26 \times 1212$ mm	18W	220-240V	135 lm/W	2430 lm	3000-6500 K	>80	>0.5	D	220°
T8-L15-22D1	$\Phi 26 \times 1512$ mm	22W	220-240V	135 lm/W	2970 lm	3000-6500 K	>80	>0.5	D	220°
T8-L06-09E1	$\Phi 26 \times 602$ mm	9W	220-240V	110 lm/W	990 lm	3000-6500 K	>80	>0.5	E	220°
T8-L12-18E1	$\Phi 26 \times 1212$ mm	18W	220-240V	110 lm/W	1980 lm	3000-6500 K	>80	>0.5	E	220°
T8-L15-22E1	$\Phi 26 \times 1512$ mm	22W	220-240V	110 lm/W	2420 lm	3000-6500 K	>80	>0.5	E	220°

| Color Temperature Reference



Certificates



Prüfbericht - Produkte Test report - Products		TÜVRheinland®	
Prüfbericht-Nr.: Test Report No.: 60397809 001	Auftrags-Nr.: Order No.: 244329159	Seite 1 von 19 Page 1 of 19	
Kunden-Referenz-Nr.: Client Reference No.: -	Auftragsdatum: Order date: 2021.05.06		
Auftraggeber: Client: Hangzhou Holux Lighting Technology Room 407, No.47 Xiangyuan Road, Hangzhou China 310015			
Prüfgegenstand: Test item: LED Tube			
Bezeichnung / Typ-Nr.: Identification / Type No.: T8-L12-18E1			
Auftrags-Inhalt: Order content: Testing report			
Prüfgrundlage: Test specification: Regulation (EU) 2017/1368 COMMISSION REGULATION (EU) 2019/2020 COMMISSION DELEGATED REGULATION (EU) 2019/2015 COMMISSION DELEGATED REGULATION (EU) 2021/340 and COMMISSION REGULATION (EU) 2021/341, also considered			
Wareneingangsdatum: Date of receipt: 2021.02.10			
Prüfmuster-Nr.: Test sample No.: 10pcs for each model			
Prüfzeitraum: Testing period: 2021.02.10 - 2021.07.20			
Ort der Prüfung: Place of testing: Hangzhou Holux Lighting Technology			
Prüflaboratorium: Testing laboratory: TÜV Rheinland (Shanghai) Co., Ltd.			
Prüfresultat: Test result: Siehe Sonstiges / See Other aspects			
geprüft von: tested by: Fernando Dai	genehmigt von: authorized by: Alex Yan		
Datum: 2021.08.01 Date: <i>Fernando Dai</i>	Datum: 2021.08.01 Date: <i>Alex Yan</i>		
Stellung / Position: PE	Stellung / Position: Reviewer		
Sonstiges / Other: The requirements of 2019/2020 for light source were performed and 3600h test results see test report. Energy efficiency class according to COMMISSION DELEGATED REGULATION (EU) 2019/2015 is also considered, and the result is for reference. All models are same except CCT. After considering, full test performed on model T8-L12-18E1 (4000K). Model T8-L12-18E1 (6000K) only test initial value. Appendix: Photos of tested samples.			
Zustand des Prüfgegenstandes bei Anlieferung: Condition of the test item at delivery: Prüfmuster vollständig und unbeschädigt Test item complete and undamaged			
<small>* Legende: (P) = Prüfobjekt (z.B. Prüfobjekt) (F) = Freigegeben (z.B. Freigegeben) (N) = Nicht genehmigt (N) = Not tested (A) = Passiert (z.B. Passiert) (F) = Freigegeben (z.B. Freigegeben) (N) = Nicht genehmigt (N) = Not tested</small>			
<small>Dieser Prüfbericht bezieht sich nur auf das o.g. Prüfmuster und darf ohne Genehmigung der Prüfstelle nicht ausgegeben werden. Dieser Bericht berechtigt nicht zur Verwendung eines Prüfzeichens. This test report only relates to the a. m. test sample. Without permission of the test center this test report is not permitted to be duplicated in extracts. This test report does not entitle to carry any test mark.</small>			

VERIFICATION OF CONFORMITY

Reference No. : WTN22N10216581E

Applicant : Hangzhou Holux Lighting Technology Co.,Ltd.

Address : No.47 Xiangyuan Road, Hangzhou China 310015

Manufacturer : Same as applicant

Address : Same as applicant

Product : T8 LED TUBE

Model No. : T8-L15-24E1, others see attachment

Technical data : 220-240V~, 50/60Hz, other details see attachment

Test Standards:
EN IEC 55015-2:2019+A1:2020
EN 61547:2009
EN IEC 61000-3-2:2019+A1:2021
EN 61000-3-3:2013+A1:2019+A2:2021

The above product has been tested by us with the listed standards and found in compliance with the European Electromagnetic Compatibility Directive 2014/30/EU. It is possible to use CE marking to demonstrate the compliance with this EMC Directive.

EN IEC 55015: Limits and methods of measurement of radio Disturbance characteristics of electrical lighting and similar equipment.
EN 61547: Equipment for general lighting purposes – EMC immunity requirements
EN IEC 61000-3-2: Electromagnetic Compatibility (EMC) Part 3-2: Limits for harmonic current emissions (Equipment input current up to and including 16A per phase)
EN 61000-3-3: Electromagnetic Compatibility (EMC) Part 3-3: Limits – Limitation of voltage changes, voltage fluctuations and flicker in public low-voltage supply systems, for equipment with rated current ≤ 16 A per phase and not subject to conditional connection

The referred test report(s) show that the product complies with standard(s) recognized as giving presumption of compliance with the essential requirements in the above mentioned EU Directive. Other relevant Directives have to be observed.

After preparation of the necessary technical documentation as well as the EU Declaration of Conformity, the CE marking as shown below can be affixed on the equipment under the sole responsibility of the manufacturer.

CE

WALTEK TESTING GROUP (NINGBO) CO., LTD.
APPROVED: 2023-01-11

The statement is based on a single evaluation of the sample of above mentioned product. It does not imply an assessment of the whole production.

Walttek Testing Group (Ningbo) Co., Ltd.
Hotline: 400-840-2288 E-mail: nb@waltek.com.cn
Http://www.waltek.com.cn

NEW ERP

EMC/CE

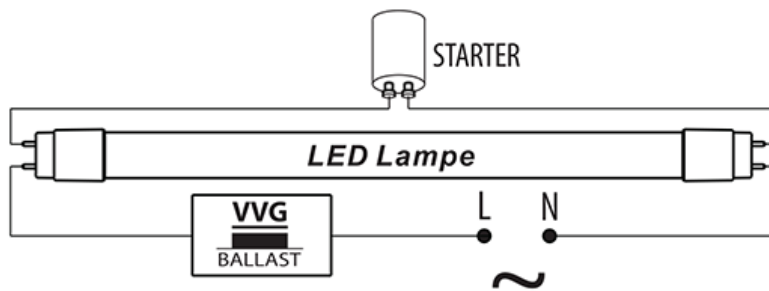
EMC/CE

LVD/CE

Installation

A: Traditional fluorescent tube fitting with inductive (magnetic) ballast.

1. Turn off the power.
2. Remove the traditional T8 tube lamp and starter from the bracket.
3. Install LED T8 tube and starter bridge.

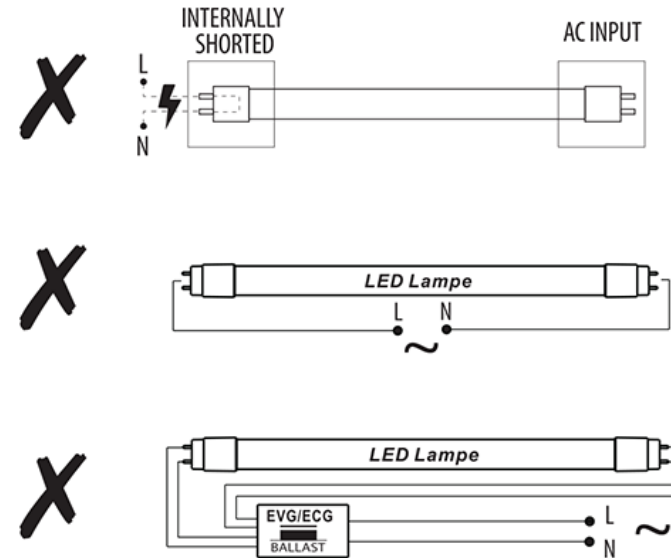


B: AC 200-240 V connection

1. Turn off the power.
2. Installation according to the following sketch only by qualified personnel!



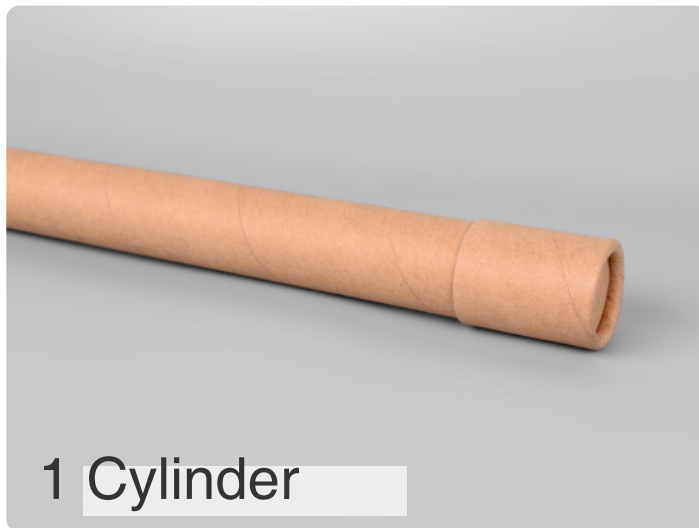
Warning



Operating instructions

1. IP20 (Indoor use only);
2. Not exceeding the standard voltage;
3. To be used, lamp should be prevented static from damaging;
4. At any time, lamp couldn't be covered by substrate or something of the kind;
5. Application Temperature/Humidity: $-20 - 45^{\circ}\text{C} / 10^{\circ}\text{C} - 95^{\circ}\text{C}$;
6. Storage Temperature/Humidity: $-20 - 60^{\circ}\text{C} / 10^{\circ}\text{C} - 95^{\circ}\text{C}$.

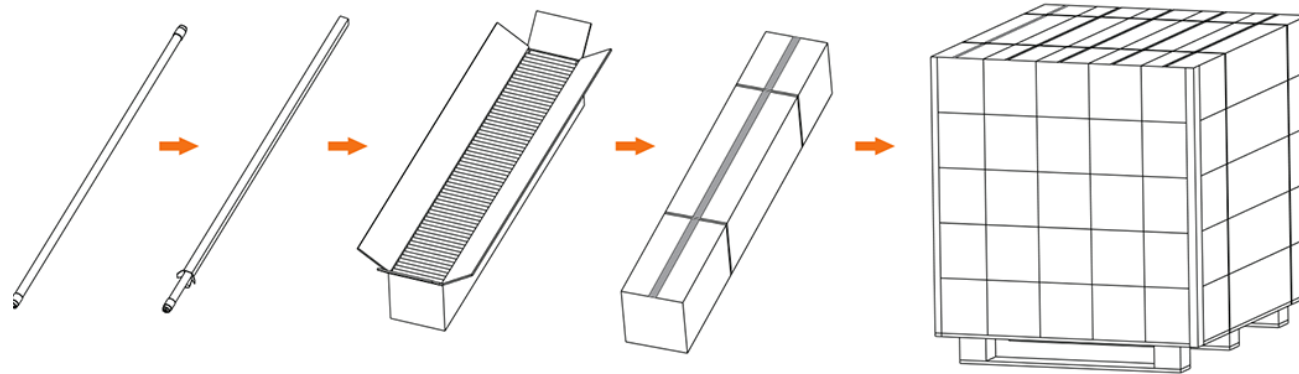
| Different boxes for your choice



Package



Package



Size and weight

Model	600 mm	1200 mm	1500 mm
QTY/CTN	25pcs	25pcs	25pcs
Size/CTN	680 * 200 * 205 mm	1300 * 200 * 205 mm	1600 * 200 * 205 mm
G.W/CTN	4.8 kg	7.9 kg	10 kg
CTN/PLT	50CTN	25CTN	25CTN
QTY/PLT	1300pcs	625pcs	625pcs
Size/PLT	1300 * 1100 * 1150 mm	1300 * 1100 * 1150 mm	1600 * 1100 * 1150 mm
G.W/PLT	258 kg	215 kg	275 kg