

SPECIFICATION FOR APPROVAL



Customer Name : _____

Product Name : HH-T8WSMDTS06-144S _____

Issue Date : Rev A (2009-07-20) _____



**POWERLIGHTING
OPTOELECTRONICS TECHNOLOGY CO., Ltd .**

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Our LED tubes are made up with special different view angles mixing lighting design, T8 specs, inner high efficiency constant current driver, with less degradation and 50000hour lifespan replacing T8, T10 fluorescent lamp, brighter than fluorescent lamp, better than most similar product.

Features of the Products:

- No RF interference
- Electric wave resistant
- Energy saving up to 65%. high intensity
- Good light quality and good heat dissipation
- Special different view angles mixing lighting design
- New inner high efficiency (90%) constant current driver, with heat protection system, can work under unstable voltage
- Special circuit design, each LED work separately, avoiding the single broken LED influence problem

Applications:

- Hotels
- Hospitals
- Factories & Offices
- Commercial Complexes
- Conference / Meeting rooms
- Residential / Institution Buildings
- Schools, Colleges & Universities
- Places where need energy saving and high color rendering index lighting



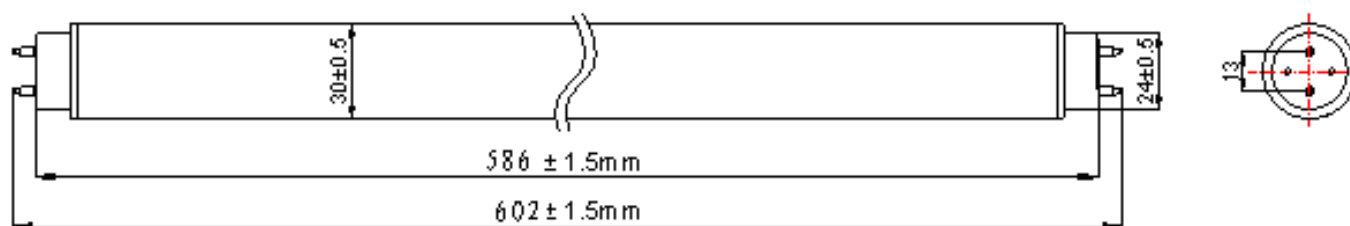
Part Numbers:

Part Number	Description	Unit
HH-T8WSMDTS06-144S	Cool White, 144 SMD LEDs, 0.6m, 90-260V, 115 degree, Clear Lens	pcs

Note :

CW mean Cool White CCT: 6000-7000K
W mean Daylight CCT: 4500-5500K
WW mean Warm White CCT: 2800-3300K

Mechanical Dimensions: (Unit:mm)



Notes:

1. All dimensions unit in mm .
2. The tolerance is +/- 1mm unless otherwise noted

Technical Specifications:

Physical Specifications

Dimension	L602*D30 mm
Weight	250 g
Housing	PC
Socket Type	T8
Work Environment	Indoor use (applicable for dry environment)

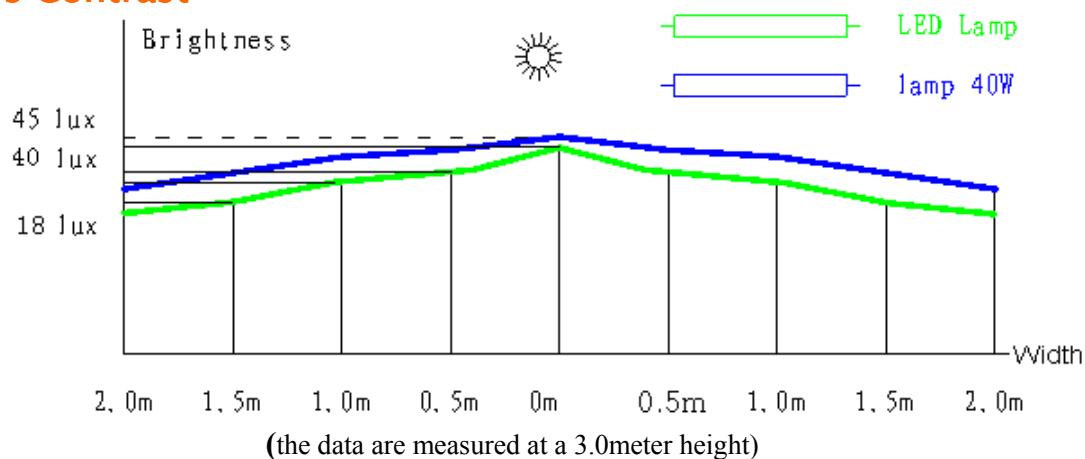
Electrical Specifications

Part Number	HH-T8WSMDTS06-144S
Input Voltage	90-260V
Power Consumption	8±1W
Lighting Source	3528 SMD
LED Quantity	144 pcs
Operation Temperature	-20~40℃ (-4~104°F)

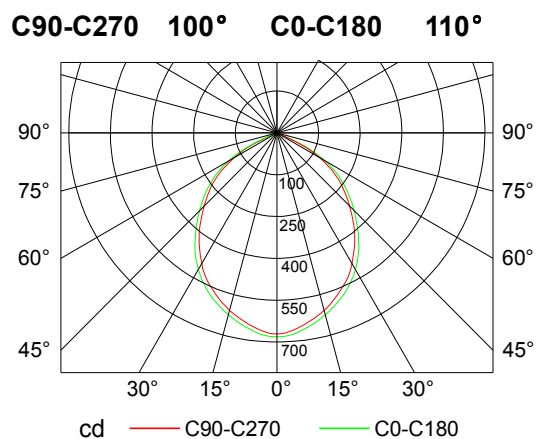
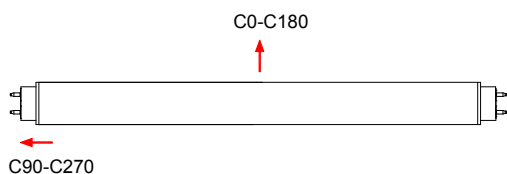
Optical Specifications

Part Number	HH-T8CWSMDTS06-144S	HH-T8WSMDTS06-144S	HH-T8WWSMDTS06-144S
Lumens	600-700lm	500-600lm	500-600lm
Luminous Efficacy	75~85 lm/W	70~80 lm/W	70~80 lm/W
Color Temperature	6000~7000 K	4500-5500 K	2800~3300 K
CRI	>75	>82	>80
Beam Angle	115		
Lumen Maintenance	>95%@1,000hours		

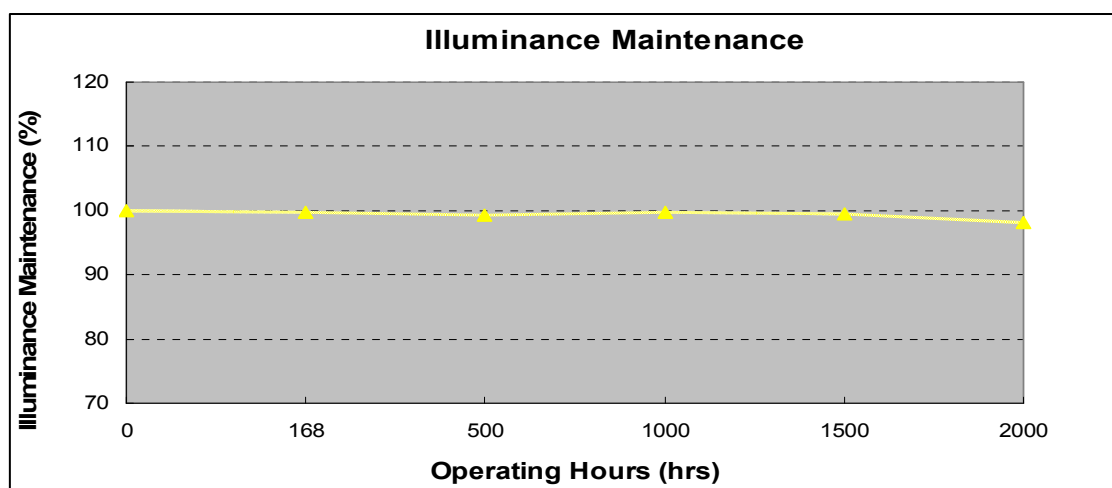
Brightness Contrast



View Angel



Illuminance Maintenance



Test Conditions: TA=25℃, RH=65%, Light work lasting

Operating Hours (hrs)	0	168	500	1000	1500	2000
Illuminance Maintenance (%) Point A	100	98.7	98.5	99.2	98.6	97.9
Illuminance Maintenance (%) Point B	100	100.2	99.4	99.8	99.1	98.8
Illuminance Maintenance (%) Point C	100	100.4	99.8	100.2	98	97.6.
Illuminance Maintenance (%) Average	100	99.8	99.2	99.7	99.4	98.1

Test Conditions: TA=25℃, RH=65%, Light work lasting

package

Inner Box: 1255*185*136mm (24pcs/box)

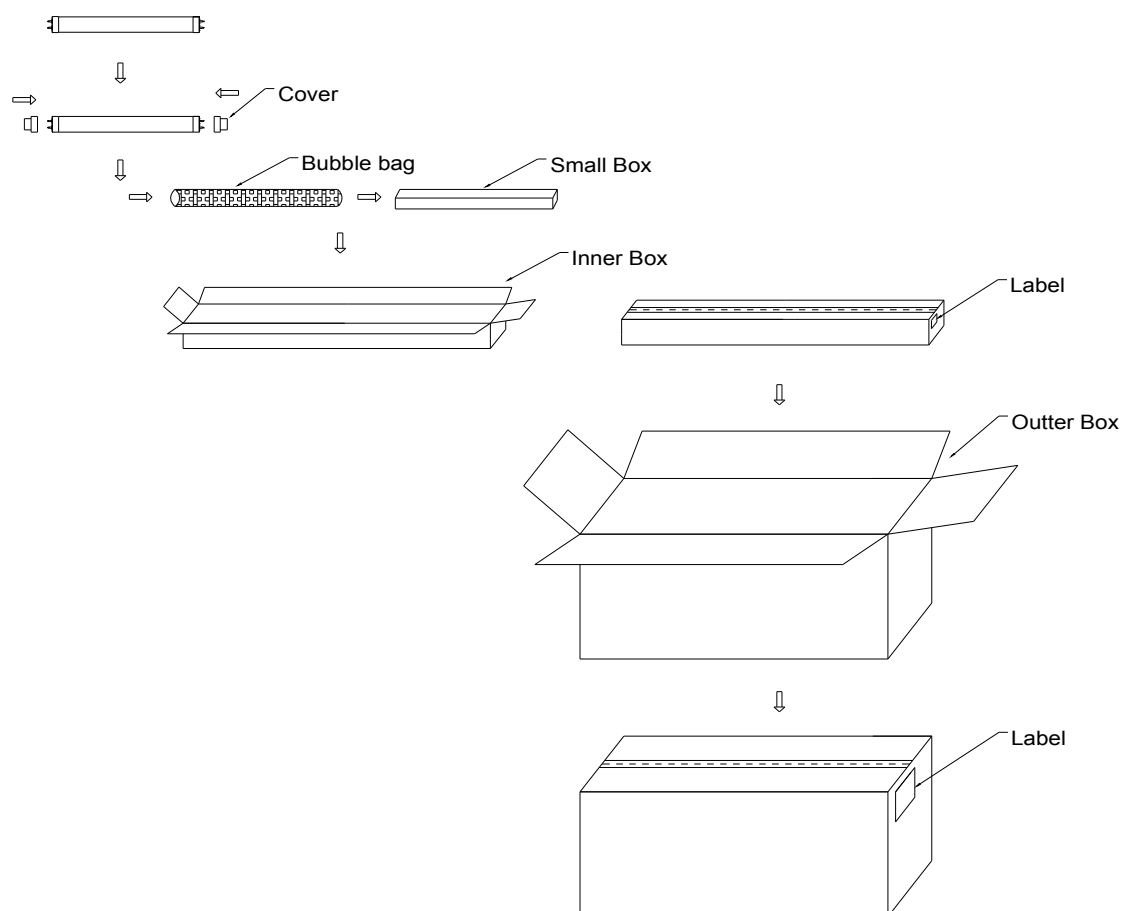
Outer Carton: 1270*390*295mm (96pcs/box)

Gross Weight: 28 kg

Net Weight: 23 kg

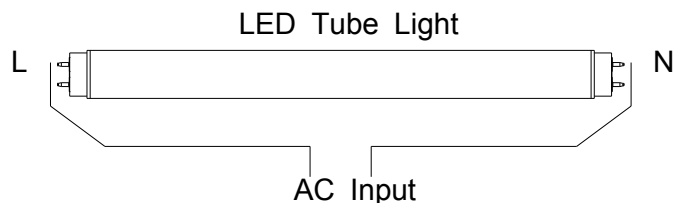
Quantity: 96PCS/CTN

Sketch

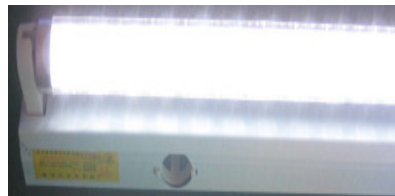


Installation

Connection Drawing



Working picture



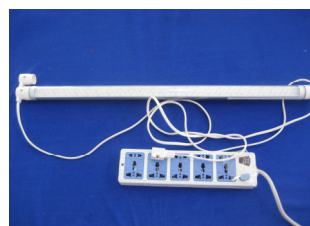
Install Instructions

Note: cut off the current before installation, and make sure the voltage is in right range

Type 1. With direct holder: Direct usage



Direct holder with wire

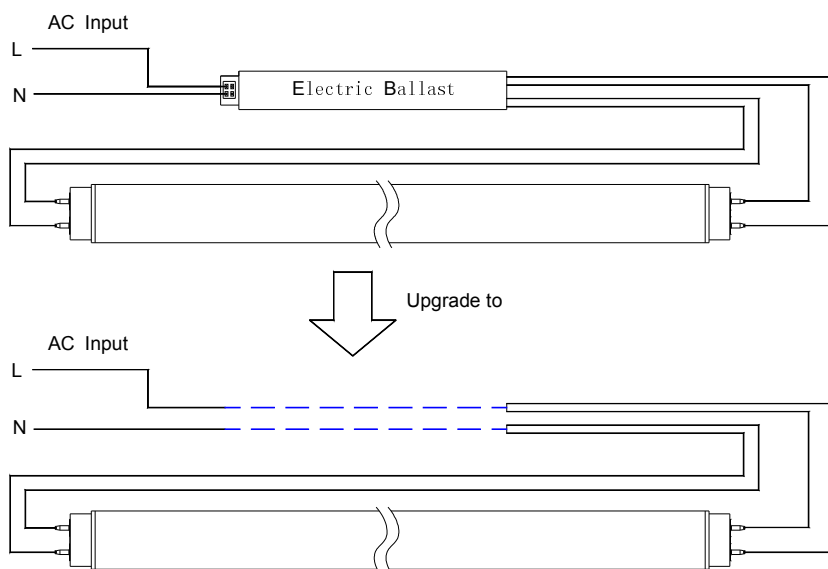


Connect to the power

Type 2. With the standard light fixture

A. Remove the starter (and the ballast for saving more energy) as follows:

(just suitable for electronic ballast)



Note:

- ✧ Don't take the tube apart
- ✧ Recommend indoor use
- ✧ The tube must work under the right voltage according to the specification.
- ✧ Can be placed in conventional T8 or T10 fluorescent brackets (remove starter before replacement !)