



## T8 LED waterproof light fixture –Single



### Description

The LED tube fixture Light designed with Waterproof, dustproof, corrosion proof and excellent perfect lampshade, which is durable and fixable without glare. It widely used in tunnel, Rail-way station, Metro station, Supermarket, stair well, corridor, evacuation passage, especially parking lots.

### Feature

- ◆ Adopt high-grade ABS base and PC cover fitting, good quality seal for better waterproof, IP65 protection rate
- ◆ Surface mounted or hanging installation option
- ◆ Using high brightness SMD2835 led chips as T8 tube light source
- ◆ Adopt SAA T8 LED tube with single end power input
- ◆ Available in 2ft 1x9w; 4ft 1x12w/14w/18w; 5ft 1x22w.
- ◆ Approved by SAA and C-tick
- ◆ 3 years warranty

## Specification

Model	ZL-WPP9-2FS	ZL-WPP18-4FS	ZL-WPP22-5FS
Rated Power	1x9W	1x12W/14W/18W	1x22W
Suggested Replacement For Fluorescent tube	20W	40W	60W
Input power Supply	AC90-130V/AC220-265V/50-60HZ		
Power Factor	>0.9		
LED chip	54pcs SMD2835	100pcs SMD2835	110pcs SMD2835
Luminous Flux (@6000K )	650lm	1300lm	1700lm
Colour Temperature	2800-7000K		
Rendering Index	RA>80		
Luminous Efficacy	65-75lm/W		
Beam Angle	120 degree		
Operating Temperature	-20°C to 40°C		
Protection Rating	IP65		
Dimensions	568*88*100mm	1268*88*100mm	1568*88*100mm
Rated Operating Life	50, 000 hours		
Warranty	3 Years		

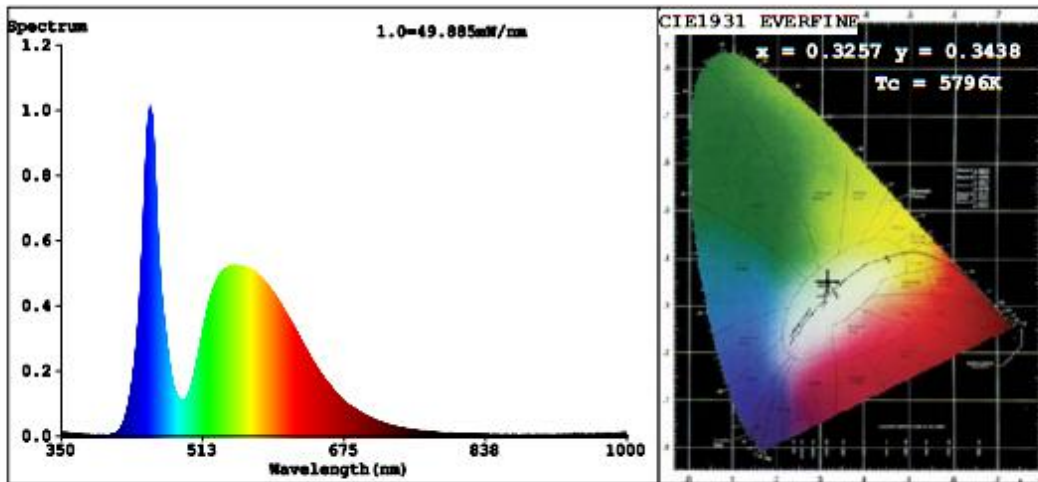
# Everfine Test Report



EVERFINE HAAS-1200 Test Report

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## Spectrum Test Report



### Color Parameters:

Chromaticity Coordinate:  $x=0.3257$   $y=0.3438$   $u'=0.2013$   $v'=0.4779$

$T_c=5796K$  (Duv=0.0044) Dominant WL:Ld =511.2nm Purity=2.4%

Ratio:R=14.2% G=82.2% B=3.6% Peak WL:Lp=452.2nm HWL:Lhd=20.5nm

Render Index:Ra=73.4

R1 =71	R2 =78	R3 =80	R4 =73	R5 =71	R6 =68	R7 =84	
R8 =62	R9 =0	R10=45	R11=68	R12=38	R13=72	R14=89	R15=67

### Photo Parameters:

Flux = 1640 lm Eff. : 64.86 lm/W  $F_e = 4.745$  W

### Electrical parameters:

V = 220.4 V I = 0.1171 A P = 25.29 W PF = 0.9797

LEVEL:OUT WHITE:ANSI\_5700K

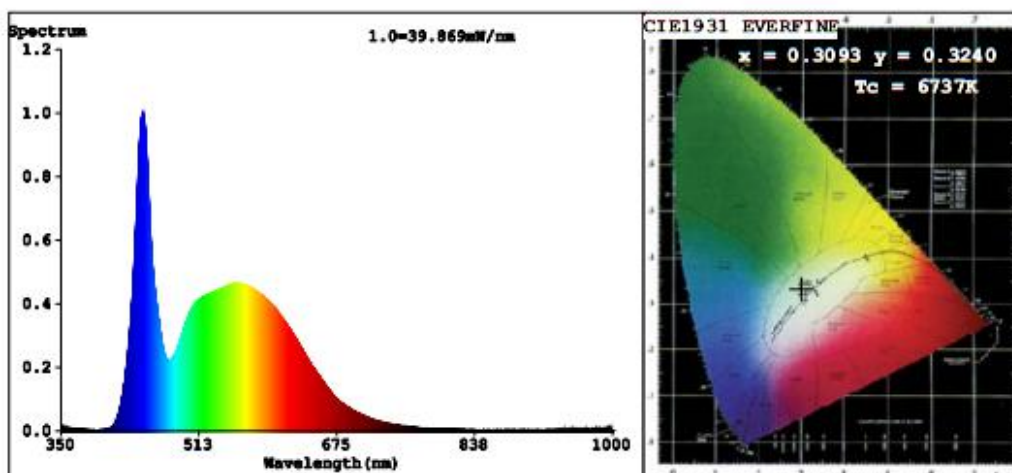
Status: Integral T = 10 ms  $I_p = 49178$  (75%)

Model:SINGLE T8-1.5M FIXTURE  
Tester:001  
Temperature:25.3Deg  
Manufactory:COMLED

Number:  
Date:2012-12-12  
Humidity:65.0%  
Remarks:---



Spectrum Test Report



Color Parameters:

Chromaticity Coordinate:  $x=0.3093$   $y=0.3240$   $u'=0.1974$   $v'=0.4651$   
 $T_c=6737K$  (Duv=0.0023) Dominant WL:  $L_d=486.5nm$  Purity=8.8%  
 Ratio: R=14.4% G=80.5% B=5.0% Peak WL:  $L_p=447.1nm$  HWL:  $L_{hd}=22.2nm$   
 Render Index:  $R_a=83.1$   
 R1 =82 R2 =85 R3 =88 R4 =85 R5 =84 R6 =81 R7 =87  
 R8 =73 R9 =14 R10=66 R11=85 R12=65 R13=82 R14=93 R15=78

Photo Parameters:

Flux = 1278 lm Eff. : 67.33 lm/W Fe = 3.957 W

Electrical parameters:

V = 220.4 V I = 0.09170 A P = 18.99 W PF = 0.9394

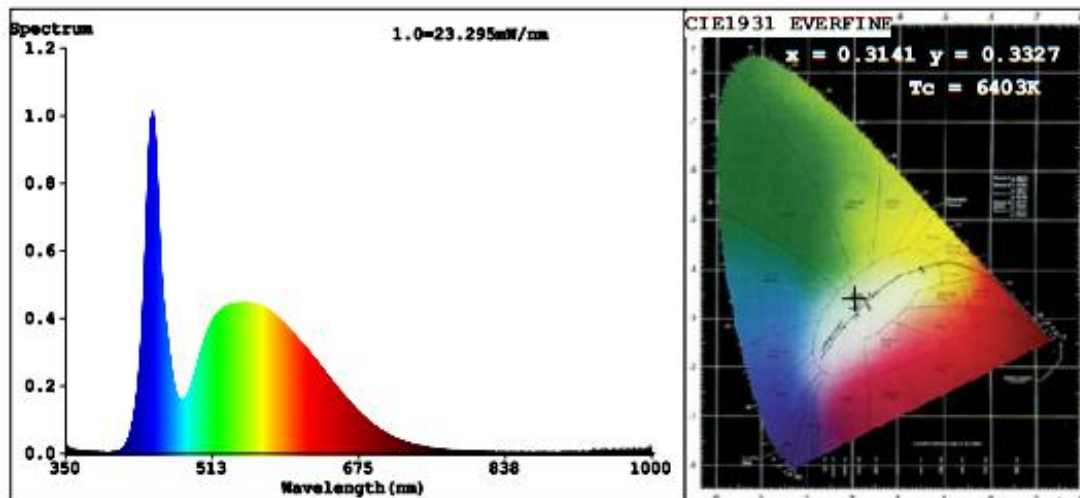
LEVEL:OUT WHITE:ANSI\_6500K

Status: Integral T = 14 ms Ip = 52639 (80%)

Model: SINGLE T8-1.2M FIXTURE	Number:
Tester: 001	Date: 2012-12-12
Temperature: 25.3Deg	Humidity: 65.0%
Manufactory: COMLED	Remarks: ---



Spectrum Test Report



Color Parameters:

Chromaticity Coordinate:  $x=0.3141$   $y=0.3327$   $u'=0.1974$   $v'=0.4705$   
 $T_c=6403K$  (Duv=0.0044) Dominant WL:Ld =491.3nm Purity=6.5%  
 Ratio:R=14.4% G=81.3% B=4.3% Peak WL:Lp=446.4nm HWL:Lhd=19.0nm  
 Render Index:Ra=80.6  
 R1 =80 R2 =82 R3 =84 R4 =82 R5 =81 R6 =77 R7 =86  
 R8 =73 R9 =14 R10=58 R11=82 R12=57 R13=79 R14=91 R15=76

Photo Parameters:

Flux = 654.5 lm Eff. : 73.48 lm/W Fe = 2.160 W

Electrical parameters:

V = 220.4 V I = 0.04241 A P = 8.907 W PF = 0.9530  
 LEVEL:OUT WHITE:ANSI\_6500K

Status: Integral T = 23 ms Ip = 50415 (77%)

Model:SINGLE T8-0.6M FIXTURE	Number:
Tester:001	Date:2012-12-12
Temperature:25.3Deg	Humidity:65.0%
Manufactory:COMLED	Remarks:---

### Certificates



APPROVALS®

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## Certificate of Suitability

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**Certificate No.:**      **SAA141914**

**Certificate Holder:**      Shenzhen COMLED Electronic Technology Co.,Ltd  
9E, Xinbaoyi Building, Houting Village,  
Shajing Town, Baoan District, Shenzhen City,  
Guangdong Province 518104  
P.R. China

**Class Description:**      Non-Declared

**Product Description:**      LED Waterproof Light Fixture

**Brand Name:**      Shenzhen COMLED Electronic Technology Co., Ltd.

**Model No.:**      ZL-WPP20-4FD

**Markings:**      240V~ 50/60Hz, 2×20W Max  
IP65 Class I

**Standard:**      AS/NZS 60598.2.1:2014  
AS/NZS 60598.1:2013

**Conditions:**      Nil

**Certification Mark:**      SAA141914 or RCM

**Date First Registered:**      17 October 2014

**Date of Expiry:**      17 October 2019



For and on Behalf of  
SAA Approvals Pty Ltd



www.jas-anz.org/register



Issued: 17-10-14 141914/2

SAA Approvals Pty Ltd Electrical Product Safety Certification Scheme as accredited by JAS-ANZ under ISO/IEC Guide 65 certifies that the electrical product described on this certificate complies with the minimum electrical safety requirements for which the application has been made.

For SAA Contact Details and to verify this Certificate go to:  
[www.saaapprovals.com.au](http://www.saaapprovals.com.au)

## Detail picture



## Mark/ Label on the fixture



## Packing Specification

	2FT	4FT	5FT
BOX Size(1 unit/box)	730*105*110mm	1320*140*110mm	1600*105*120mm
Carton Size	740*440*220mm	1335*440*220mm	1610*440*260mm
Gross Weight	8.94Kg	14.9Kg	26.39Kg
Net Weight	6.32Kg	10.24Kg	19.54Kg
Quantity	8 pcs/carton		





## Installation

**1. Open the package, take out the accessory metal buckles.**



**2. Check the fixture and make sure T8 tube and cover clips fixed well. if necessary, open the cover and check.**



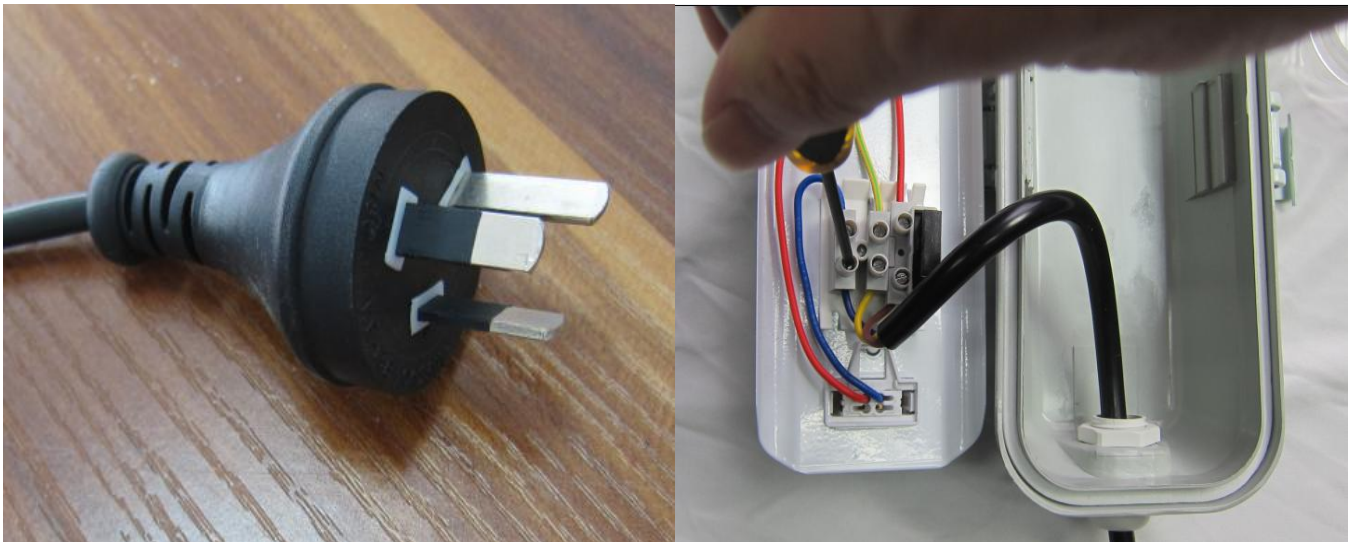
**3. Tack two plastic studs on the ceiling and Put the metal buckle on the wall with a screw.**



**4. Install the fixture on metal buckle by press.**



**5. Connect the plug to wall surface socket (if go with AU plug and lead) or wiring mains supply to inside terminal block.**



**6. Turn on the AC power.**



## **Maintenance**

- 1. In order to extend lifetime of the product and more safe operation, please keep it clean, maintenance and don't using it in more than 40 Celsius or less than minus -20 degree environment and avoiding 7x24h full power light on.**
- 2. While cleaning the lamp, please use the soft cloth with soap water and wring it, then try to sweep.**
- 3. Don't use the volatile chemic liquid such as alcoholic, gasoline or pesticide to sweep, otherwise, easily damage the lamp, thereby affect the lifetime of product.**
- 4. If there are any doubts or problems while you are installing, please contact your supplier or manufacturer.**

## **Cautions**

- 1. Before installation, please make sure there is no AC power connected.**
- 2. For indoor and outdoor use.**
- 3. Please notice that don't use any objectives to cover the lamp.**
- 4. Maintenance should only be done by a professional technician.**