



# CE Tubes

americanlite®

We light your world™





# LED Tube

**SUPERBRITE® AL/PC body**

<b>VOLTS</b> 100-277	<b>Lumens</b> 130 l/w	*40,000
<b>CRI</b> 80	140° Beam Angle	-25°C to 45°C
<b>PF</b> >0.95	<b>THD</b> <20%	<b>5 YEAR</b> Warranty

- Made of high quality SMD LED, with low light decrease:  
 < 96% lumen maintenance after 5,000 hours (temp. of tube <105°)  
 < 90% lumen maintenance after 10,000 hours (temp. of tube <90°)
- Specially designed housing with good heat dissipation, and no heat buildup
- Aluminum housing with good heat dissipation, and no heat buildup inside
- Driver with built in 2kV surge suppressor
- Opal Diffuser
- Powered on one end

## Ordering information

americanlite. Patented Chip

Model	W	Base	Color Temperature	Input Voltage	Lumens	Length
AL572516	<b>9w</b>	G13	3000K	100-277V	1055	60cm
AL572517			4000K	100-277V	1110	60cm
AL572518			6500K	100-277V	1170	60cm
AL572519	<b>14.5w</b>	G13	3000K	100-277V	1800	120cm
AL572520			4000K	100-277V	1800	120cm
AL572511			6500K	100-277V	1860	120cm
AL572522	<b>18w</b>	G13	3000K	100-277V	2175	120cm
AL572523			4000K	100-277V	2225	120cm
AL572524			6500K	100-277V	2340	120cm
AL572525	<b>20w</b>	G13	3000K	100-277V	2345	120cm
AL572526			4000K	100-277V	2470	120cm
AL572527			6500K	100-277V	2600	120cm
AL572540	<b>25w</b>	G13	3000K	100-277V	2890	120cm
AL572541			4000K	100-277V	3040	120cm
AL572542			6500K	100-277V	3200	120cm
AL572545	<b>25w</b>	G5	3000K	100-277V	2890	120cm
AL572546			4000K	100-277V	3040	120cm
AL572547			6500K	100-277V	3200	120cm

## Packing information

Color Sleeve packing

Model	CBM per master	Pieces per master	Box Dimensions (cm)	Gross weight (Kg)
9w	0.0215	20	21 x 16 x 64	6
14.5w / 18w / 20w / 25w	0.0498	25	21 x 19 x 125	9



\* Average life hours based on daily use of 12 hours. The use of more than 12, to 24 hours will not harm the performance but will decrease the lifetime of the product between 25% to 35%.



# LED Tube

AL/PC body

<b>VOLTS</b> 100-277	<b>Lumens</b> 110 l/w	*40,000
<b>CRI</b> 80	140° Beam Angle	-25°C to 45°C
<b>PF</b> >0.95	<b>THD</b> <20%	<b>5 YEAR</b> Warranty

- Made of high quality SMD LED, with low light decrease:  
< 96% lumen maintenance after 5,000 hours (temp. of tube <105°)  
< 90% lumen maintenance after 10,000 hours (temp. of tube <90°)
- Specially designed loop circuit, one LED fail will not affect most of the other LEDs
- Aluminum housing with good heat dissipation, and no heat buildup inside
- G13 standard socket  
R17D or Mono point available for 36w, 45w and 50w
- Clear or Opal Diffuser
- Driver with built in 2kV surge suppressor
- G13 powered on one end / R17D one or two end power / FA8 two end power only

## Ordering information

Model	W	Base	Color Temperature	Input Voltage	Lumens	Diffuser	Length
AL571037	<b>9w</b>	G13	3000K	100-277V	890lm	Opal	60cm
AL571038			4000K	100-277V	940lm	Opal	60cm
AL571039			6500K	100-277V	990lm	Opal	60cm
AL571001		G13	3000K	100-277V	935lm	Clear	60cm
AL571002			4000K	100-277V	990lm	Clear	60cm
AL571003			6500K	100-277V	1040lm	Clear	60cm
AL571040	<b>18w</b>	G13	3000K	100-277V	1785lm	Opal	120cm
AL571041			4000K	100-277V	1880lm	Opal	120cm
AL571042			6500K	100-277V	1980lm	Opal	120cm
AL571004		G13	3000K	100-277V	1875lm	Clear	120cm
AL571005			4000K	100-277V	1975lm	Clear	120cm
AL571006			6500K	100-277V	2080lm	Clear	120cm
AL571043	<b>20w</b>	G13	3000K	100-277V	1985lm	Opal	120cm
AL571044			4000K	100-277V	2090lm	Opal	120cm
AL571045			6500K	100-277V	2200lm	Opal	120cm
AL571007		G13	3000K	100-277V	2085lm	Clear	120cm
AL571008			4000K	100-277V	2195lm	Clear	120cm
AL571009			6500K	100-277V	2310lm	Clear	120cm
AL571046	<b>23w</b>	G13	3000K	100-277V	2280lm	Opal	120cm
AL571047			4000K	100-277V	2400lm	Opal	120cm
AL571048			6500K	100-277V	2530lm	Opal	120cm
AL571010		G13	3000K	100-277V	2390lm	Clear	120cm
AL571011			4000K	100-277V	2520lm	Clear	120cm
AL571012			6500K	100-277V	2655lm	Clear	120cm
AL571057	<b>36w</b>	G13	6500K	100-277V	3960lm	Opal	240cm
AL571061		R17D	6500K	100-277V	3960lm	Opal	240cm
AL571059	<b>45w</b>	FA8	6500K	100-277V	3960lm	Opal	240cm
AL571076		G13	6500K	100-277V	4950lm	Opal	240cm
AL571078		R17D	6500K	100-277V	4950lm	Opal	240cm
AL571077	<b>50w</b>	FA8	6500K	100-277V	4950lm	Opal	240cm
AL571053		G13	6500K	100-277V	5500lm	Opal	240cm
AL571054		R17D	6500K	100-277V	5500lm	Opal	240cm
AL571055		FA8	6500K	100-277V	5500lm	Opal	240cm

## Packing information

Color Sleeve packing

Model	CBM per master	Pieces per master	Box Dimensions (cm)	Gross weight (Kg)
9w	0.0215	20	21 x 16 x 64	6
18w / 20w	0.0420	20	21 x 16 x 125	10
23w	0.0521	20	21 x 16 x 155	13
36w / 45w / 50w	0.1800	30	30 x 24 x 250	40



\* Average life hours based on daily use of 12 hours. The use of more than 12, to 24 hours will not harm the performance but will decrease the lifetime of the product between 25% to 35%.



# LED Tube

AL/PC body ECO

<b>VOLTS</b> 90-265	*30,000	<b>CRI</b> 70
<b>PF</b> >0.90	140° Beam Angle	-25°C to 45°C
<b>THD</b> <20%	<b>5 YEAR</b> Warranty	

- Aluminum housing with good heat dissipation, and no heat buildup inside
- G13 or FA8 Socket
- Opal diffuser / Clear diffuser (for 6500K only)
- G13 powered on one end (G13) / FA8 two end power only

\*Bypass ballast for installation

## Ordering information

Model	W	Base	Color Temperature	Input Voltage	Lumens	Diffuser	Length	
AL573008	<b>36w</b>	G13	3000K	90-265V	2600lm	Opal	240cm	
AL573009			4000K	90-265V	2750lm	Opal	240cm	
AL573010			6500K	90-265V	2900lm	Opal	240cm	
AL573011		FA8	FA8	6500K	90-265V	2900lm	Clear	240cm
AL573012				3000K	90-265V	2600lm	Opal	240cm
AL573013				4000K	90-265V	2750lm	Opal	240cm
AL573014				6500K	90-265V	2900lm	Opal	240cm
AL573017	6500K	90-265V	2900lm	Clear	240cm			
AL573034	<b>36w</b>	G13	3000K	90-265V	3000lm	Opal	240cm	
AL573035			4000K	90-265V	3100lm	Opal	240cm	
AL573036			6500K	90-265V	3200lm	Opal	240cm	
AL573037		FA8	FA8	6500K	90-265V	3200lm	Clear	240cm
AL573038				3000K	90-265V	3000lm	Opal	240cm
AL573039				4000K	90-265V	3100lm	Opal	240cm
AL573040				6500K	90-265V	3200lm	Opal	240cm
AL573041	6500K	90-265V	3200lm	Clear	240cm			
AL573018	<b>40w</b>	G13	3000K	90-265V	3250lm	Opal	240cm	
AL573019			4000K	90-265V	3450lm	Opal	240cm	
AL573020			6500K	90-265V	3600lm	Opal	240cm	
AL573021		FA8	FA8	6500K	90-265V	3600lm	Clear	240cm
AL573022				3000K	90-265V	3250lm	Opal	240cm
AL573023				4000K	90-265V	3450lm	Opal	240cm
AL573024				6500K	90-265V	3600lm	Opal	240cm
AL573025				6500K	90-265V	3600lm	Clear	240cm

## Packing information

Color Sleeve packing

Model	CBM (master)	Pieces per master	Box Dimensions (cm)	Gross weight (Kg)
35w / 40w	0.0728	12	245 x 27 x 11	



\* Average life hours based on daily use of 12 hours. The use of more than 12, to 24 hours will not harm the performance but will decrease the lifetime of the product between 25% to 35%.



# LED Tube

Full PC body

<b>VOLTS</b> 90-265	<b>Lumens</b> 100 l/w	<b>*30,000</b>
<b>CRI</b> 80	<b>180°</b> Beam Angle	<b>-25°C to 45°C</b>
<b>PF</b> >0.90	<b>THD</b> <20%	<b>5 YEAR</b> Warranty

- Specially designed housing with good heat dissipation, and no heat buildup
- Double shell design, outside is a complete polycarbonate shell, avoiding current leakage in any situation
- SMD LED
- Opal diffuser / Clear diffuser (for 6500K only)
- Powered on one end

\*Bypass ballast for installation

## Ordering information

Model	W	Base	Color Temperature	Input Voltage	Lumens	Diffuser	Length
AL573007	<b>9w</b>	G13	3000K	90-265V	750lm	Opal	60cm
AL573006			4000K	90-265V	850lm	Opal	60cm
AL573000			6500K	90-265V	900lm	Opal	60cm
AL573001			6500K	90-265V	900lm	Clear	60cm
AL573005	<b>18w</b>	G13	3000K	90-265V	1500lm	Opal	120cm
AL573004			4000K	90-265V	1700lm	Opal	120cm
AL573002			6500K	90-265V	1800lm	Opal	120cm
AL573003			6500K	90-265V	1800lm	Clear	120cm

## Packing information

Color Sleeve packing

Model	CBM (master)	Pieces per master	Box Dimensions (cm)	Gross weight (Kg)
9w	0.0167	20	63.5 x 17.5 x 15	3.3
18w	0.0324	20	123.5 x 17.5 x 15	6



\* Average life hours based on daily use of 12 hours. The use of more than 12, to 24 hours will not harm the performance but will decrease the lifetime of the product between 25% to 35%.



# LED Tube

with *Microwave Radar Sensor*  
*AL/PC Housing*

<b>VOLTS</b> 100-277	<b>Lumens</b> 110 l/w	*40,000
<b>CRI</b> 80	140° Beam Angle	-25°C to 45°C
<b>PF</b> >0.95	<b>THD</b> <20%	<b>5 YEAR</b> Warranty

- Made of high quality SMD LED, with low light decrease:  
< 96% lumen maintenance after 5,000 hours (temp. of tube <105°)  
< 90% lumen maintenance after 10,000 hours (temp. of tube <90°)
- Specially designed loop circuit, one LED fail will not affect most of the other LEDs
- Aluminum housing with good heat dissipation, and no heat buildup inside
- Opal Diffuser
- Powered on one end

### Microwave Radar Sensor

- Control chip, built inside the tube, sensitive to human body, animals and vehicles, self adjustable according to the environment
- When the lamps detects movement it will work full range, 100% bright. When movement stops, the tube will work full range for 25-35 seconds and then sets to stand-by mode. In stand-by mode the tube will turn off
- No ambient temperature or noise interruption like PIR or voice controlled sensor
- Maximum mounting height is 8m
- 140° detect angle
- Relay time 25-35 seconds

### Ordering information

Model	W	Base	Color Temperature	Input Voltage	Lumens	Diffuser	Length
AL572640	<b>18w</b>	G13	3000K	100-277V	1785lm	Opal	120cm
AL572641			4000K	100-277V	1880lm	Opal	120cm
AL572642			6500K	100-277V	1980lm	Opal	120cm

### Packing information

Model	CBM per master	Pieces per master	Box Dimensions (cm)	Color Sleeve packing
				Gross weight (Kg)
18w	0.042	20	21 x 16 x 125	10



\* Average life hours based on daily use of 12 hours. The use of more than 12, to 24 hours will not harm the performance but will decrease the lifetime of the product between 25% to 35%.



**16W SMD SB Test Report**

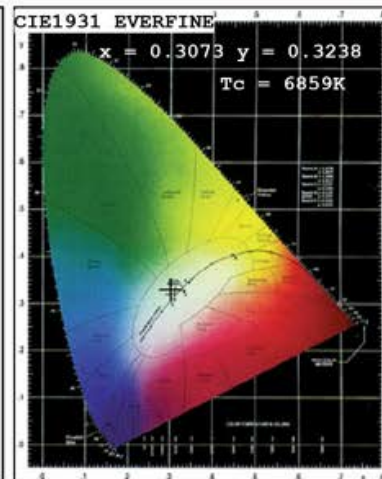
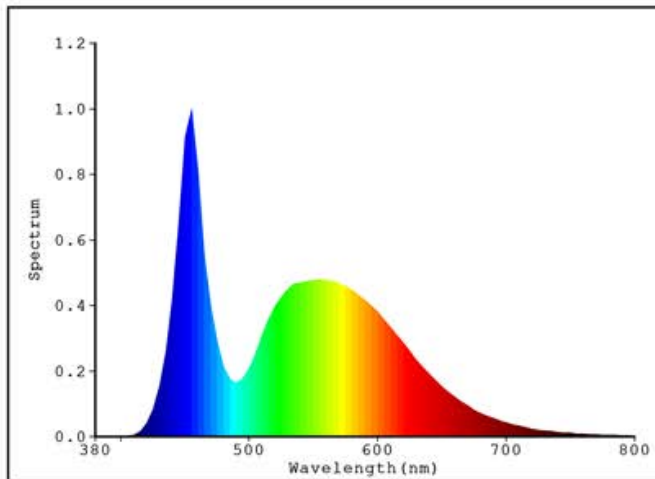


Spectrophotometer Test Report

1 Of 1

**QIN NENG GUANG DIAN**

**Light Source Test Report**



**Color Parameters:**

Chromaticity Coordinate:  $x=0.3073$   $y=0.3238$   $u'=0.1960$   $v'=0.4647$   
 $T_c=6859K$  Dominant WL:  $L_d=486.9nm$  Purity=9.5% Centroid WL:  $539.0nm$   
 Ratio: R=13.5% G=81.7% B=4.9% Peak WL:  $L_p=455.0nm$  HWL:  $24.9nm$   
 Render Index:  $R_a=77.3$   
 R1 =75 R2 =83 R3 =85 R4 =76 R5 =75 R6 =74 R7 =86  
 R8 =65 R9 =-13 R10=56 R11=72 R12=45 R13=77 R14=91 R15=71

**Photo Parameters:**

Flux: 2156.1 lm Fe: 6.8790 W Efficacy: 130.2 lm/W  
 LEVEL: WHITE:OUT

**Electrical Parameters:**

Luminaire: U=221.5V I=0.07834A P=16.56W PF=0.9541

**Instrument Status:**

Scan Range: 380.0nm-800.0nm Interval: 5.0nm[0]  $I_p=21499(G=3, D=59)$   
 REF=24882 (R=3)  $\% = 0.375\%$  PMT: 29.8 centigrade [42.3]

**Frequency: 220V 50HZ**

Product 16w Superbrite  
 Number: 05  
 Temperature: 26.8 deg  
 Test Operator: Jacky  
 Software: V2.00.100

Manufacturer: Americanlite®  
 Test Department:  
 Humidity: 65.0%  
 Test Date: 2014-10-12 20:01:07  
 Instrument: PMS-80\_V1 (SN:1006011)





## Warranty

Americanlite® is pleased to provide a 5 year limited warranty covering the LED Tubes on this catalogue. Americanlite® warrants that the LED Tubes comply with Americanlite®'s published specifications and are free from defects in materials and workmanship.

All our equipment is CE, TUV, FCC or UL approved and manufactured with approved components. Americanlite® reserves the right to change or improve the design or components of any of its products due to parts availability or changes in standards, without assuming any obligation to modify any product previously manufactured and without notice. All equipment is tested and inspected before shipment.

This warranty is void if the product is operated outside of its normal operating conditions. The foregoing warranty does not apply to failures caused by acts of God or as a result of any abuse, misuse, abnormal use, or use in violation of any applicable standard, code or instructions for use in installations, including, but not limited to, those contained in the Standards for the International Electrotechnical Commission. Americanlite® reserves and has the right to examine failed lamp to determine the cause of failure, excessive lumen depreciation and patterns of usage.