

T8 LED Tube

ARK Lighting's LED light tube produces the same amount of light as conventional light tube. It uses less power and fits into any normal fitting to replace your existing tube. The tube contains no mercury or toxic element. LED tubes generate less heat than conventional tubes and are safe. Changing your light tube to ARK Lighting LED based tube leads to cleaner and lower energy use which helps to fight climate change and protect the environment.

TECHNICAL SPECIFICATIONS

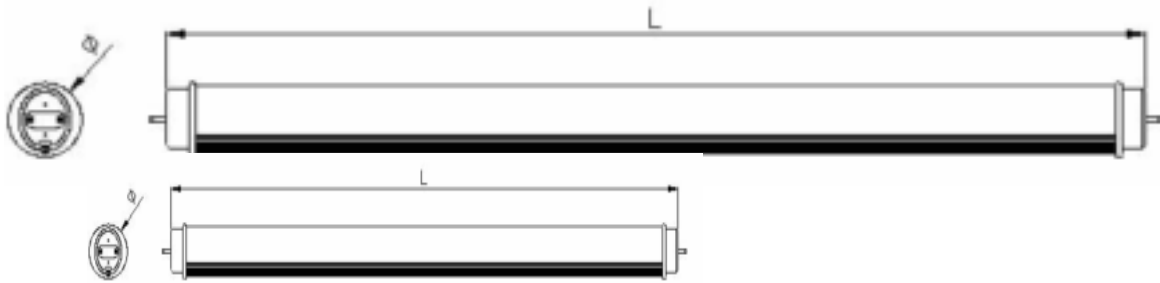
Power	8W	12 W	16 W
Art NO.	FZ/001/T08060/FC010E	FZ/001/T08090/FC14E	FZ/001/T08012/FC20E
Input voltage/frequency	AC 85-265 V, 50-60 Hz	AC 85-265 V, 50-60 Hz	AC 85-265 V, 50-60 Hz
Length	600mm	900mm	1200mm
Luminous Flux	889lm ± 10 %	1259 lm ± 10 % ^[1] / 1122 lm ± 10 % ^[2]	1778 lm ± 10 %
LED Life	50,000 h	50,000 h	50,000 h
Viewing Angle	120°	120°	120°
Materials	Cast Aluminium Body; Frosted/ Clear PC Cover	Cast Aluminium Body; Frosted/ Clear PC Cover	Cast Aluminium Body; Frosted/ Clear PC Cover
Dimensions	Ø 26 mm × 600 mm	Ø 26 mm × 900 mm	Ø 26 mm × 1200 mm
Weight	202 g	270 g	345 g
Color Temperature	2700-3500 K (Warm White) / 6000-6500 K (Cool White)	2700-3500 K (Warm White) / 6000-6500 K (Cool White)	2700-3500 K (Warm White) / 6000-6500 K (Cool White)
Packaging DimensionsNN	643 mm × 195 mm × 1195mm	948 mm × 195 mm × 1195mm	1248mm × 195mm × 195mm
Power supply	External power supply	External power supply	External power supply

^[1] With Clear PC Cover

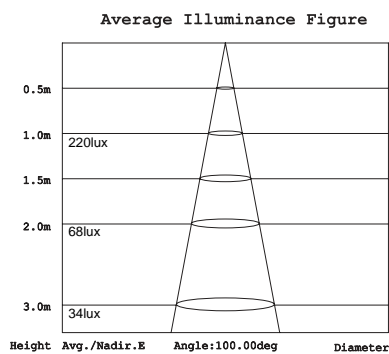
^[2] With Frosted PC Cover



Dimensions

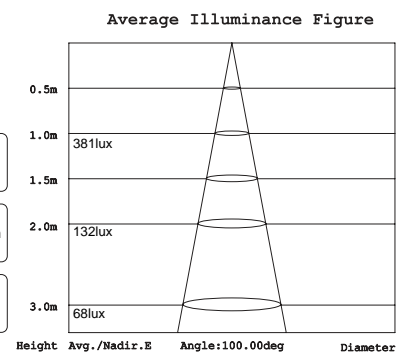


Specifications



SMD LED Tube	85-265V AC	10W
		889 lm
	Driver Incl.	T8 0.6M

FZ/001/T08060/FC010E



SMD LED Tube	85-265V AC	20W
		1778 lm
	Driver Incl.	T8 1.2M

FZ/001/T08012/FC20E

Model #	Color	LED Type	CCT	Rated Power Consumption	CRI	Luminous Flux	Working Voltage	Beam Angle	Weight
FZ/001/T08060/FC010E	White	3528 SMD	5000K	8W	75	889 lm	85-265 Vac	140°C	180g
FZ/001/T0 012/FC20E	White	3528 SMD	5000K	16W	75	1778 lm	85-265 Vac	140°C	300g

Absolute Maximum Rating

Parameter	Rating	Units
Aluminum Heat sink Temperature	61	° C
Operating Temperature	-20~+40	° C
Storage Temperature	-40~+80	° C
Equilibrium Temperatur	58	° C

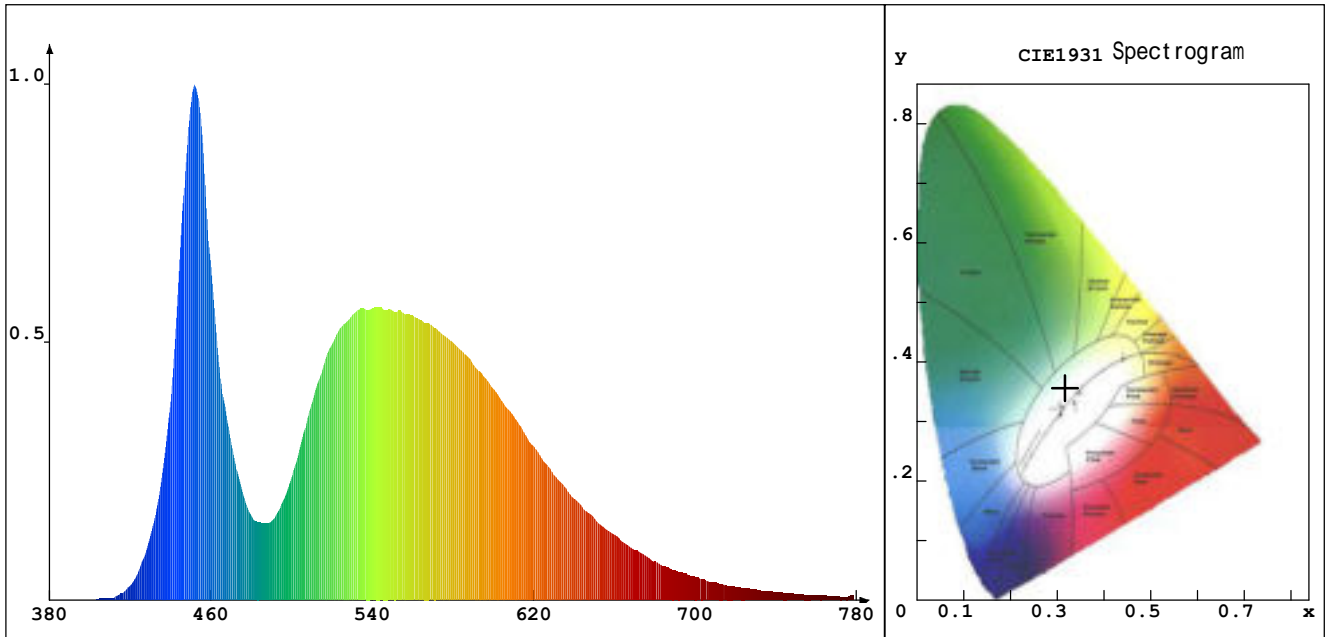


Test Report

Product Identification

Model: T8 - 20+-1 W ,Clear Cover
Environment Temp: 29
Tester: Qing Xiangxiao

Manufacturers: ARK Lighting
Environment Humi: 26 %
Date: 2010.5.3



Color parameters

Coordinate: $x=0.3172$ $y=0.3565$ $u=0.1910$ $v=0.3220$ $duv=0.0145$
Color Temp: $T_c=6136K$ Main Wavelength: 513.1 nm Color Purity: 5.2%
Red Ratio: $R=11.5$ Peak Wavelength: 451.7nm Half-width: 20.9nm

CRI: $R_a=70.4$

$R_1=63.8$ $R_2=75.5$ $R_3=84.7$ $R_4=67.7$ $R_5=65.7$ $R_6=67.9$ $R_7=84.7$
 $R_8=53.9$ $R_9=-49.0$ $R_{10}=43.1$ $R_{11}=62.5$ $R_{12}=32.0$ $R_{13}=66.2$ $R_{14}=91.5$
 $R_{15}=56.9$

Brightness Parameter

Flux: 1877.24lm Light Efficiency: 97.21m/W Radiated Power: 5157.3mW

Power Parameters

Voltage: $U=220.8V$ Current: $I=0.090A$
Power: $P=19.3W$ Power Factor: $PF=0.974$

Instrument Status

Integration Time: 19.419ms Peak Signal: 13215 Dark Voltage: 1097
Scanning range: 380-780nm



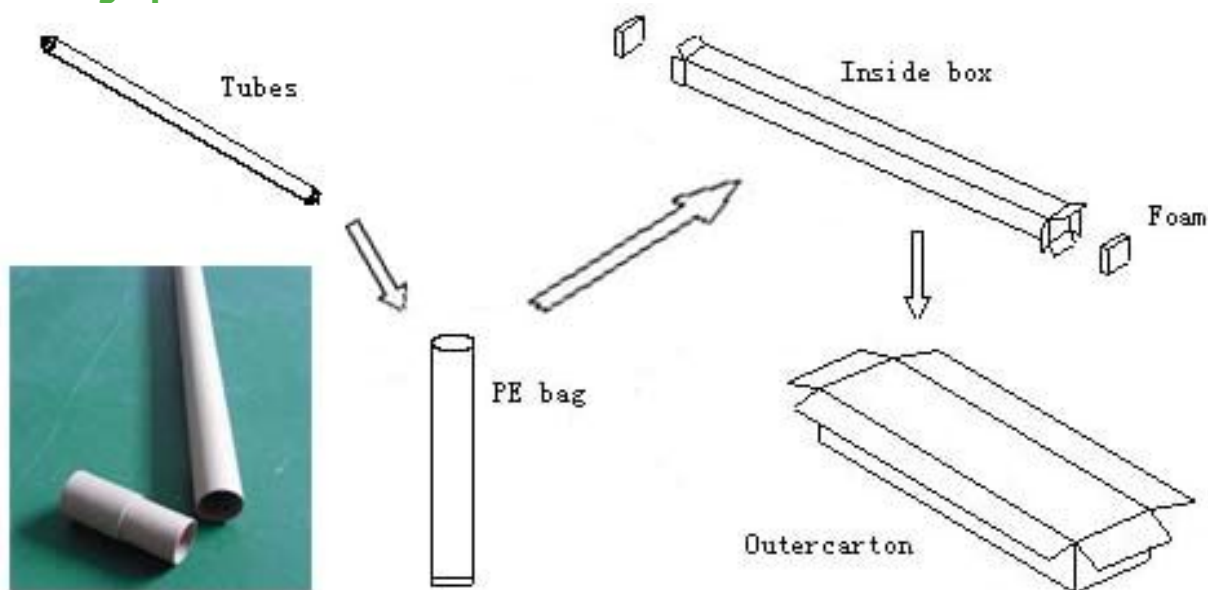
ARK Lighting Warranty

ARK Lighting warrants this product ("Product") against defects in material or workmanship for a period of three years from the date of purchase. If this Product is determined to be defective, ARK Lighting will repair or replace the Product, at its option. This warranty does not cover cosmetic damage or damage due to acts of God, accident, misuse, abuse, negligence, or modification of, or to any part of the Product. This warranty does not cover damage due to improper operation or maintenance, connection to improper voltage supply, or attempted repair by anyone than a facility authorized by ARK Lighting to service the Product.

Repair or replacement as provided under this warranty is the exclusive remedy of the customer. ARK Lighting shall not be liable for any incidental or consequential damages for breach of any express or implied warranty on this Product except to the extent prohibited by applicable law, any implied warranty of merchantability or fitness for a particular purpose on this Product is limited in duration to the duration of this limited warranty.

Some states do not allow the exclusion or limitation of incidental or consequential damages, or allow limitations on how long an implied warranty lasts, so the above limitations or exclusions may not apply to you. This warranty gives you specific legal rights, and you may have other rights which vary from state to state.

Packing Specification



Model	Case/pcs	G.W(kg)	Packing Size(L*W*H)
T8 600mm	25	4.8	643*195*195mm
T8 900mm	25	8.6	913*195*195mm
T8 1200mm	25	11.8	1248*195*195mm

