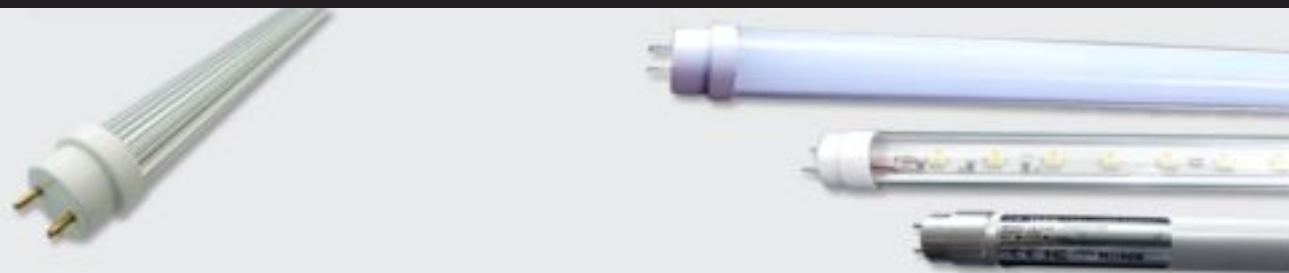




ARK LIGHTING (SHENZHEN) CO.,LTD

Add:Zone A,6/F,Bldg.D,Yinfeng Industry Park,Hangcheng Road,
Gushu,Xixiang,Baoan District,Shenzhen,China.



T10 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.

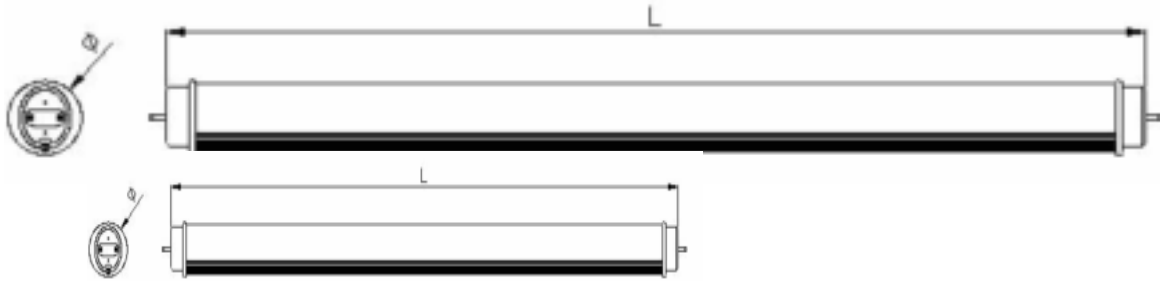
TECHNICAL SPECIFICATIONS

Power	11 W	15 W	20 W
Art NO.	FZ/001/T10060/FC011E	FZ/001/T10090/FC15E	FZ/001/T10012/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 32 mm × 600 mm	Ø 26 mm × 900 mm	Ø 26 mm × 1200 mm
Weight	224 g	440 g	450 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 × 1195 mm	948 mm × 195 mm × 1195 mm	1248mm × 195mm × 195 mm
Power supply	External power supply	External power supply	External power supply

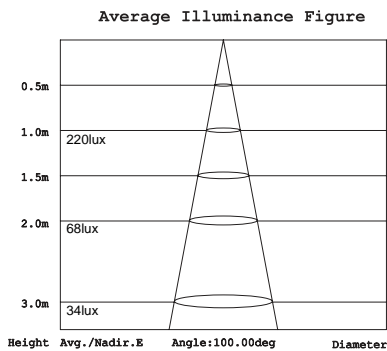
^[1] With Clear PC Cover

^[2] With Frosted PC Cover



Dimensions

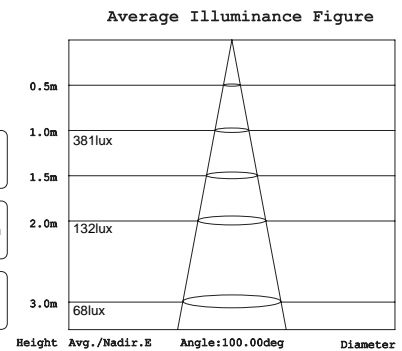


Specifications



FZ/001/T10060/FC11E

SMD LED Tube	85-265V AC	11W
		889 lm
	Driver Incl.	T10 0.6M



FZ/001/T10012/FC20E

Model #	Color	LED Type	CCT	Rated Power Consumption	CRI	Luminous Flux	Working Voltage	Beam Angle	Weight
FZ/001/T10060/FC11E	White	3528 SMD	5000K	11W	75	889 lm	85-265 Vac	140°C	180g
FZ/001/T10012/FC20E	White	3528 SMD	5000K	20 W	75	1778 lm	85-265 Vac	140°C	300g

Absolute Maximum Rating

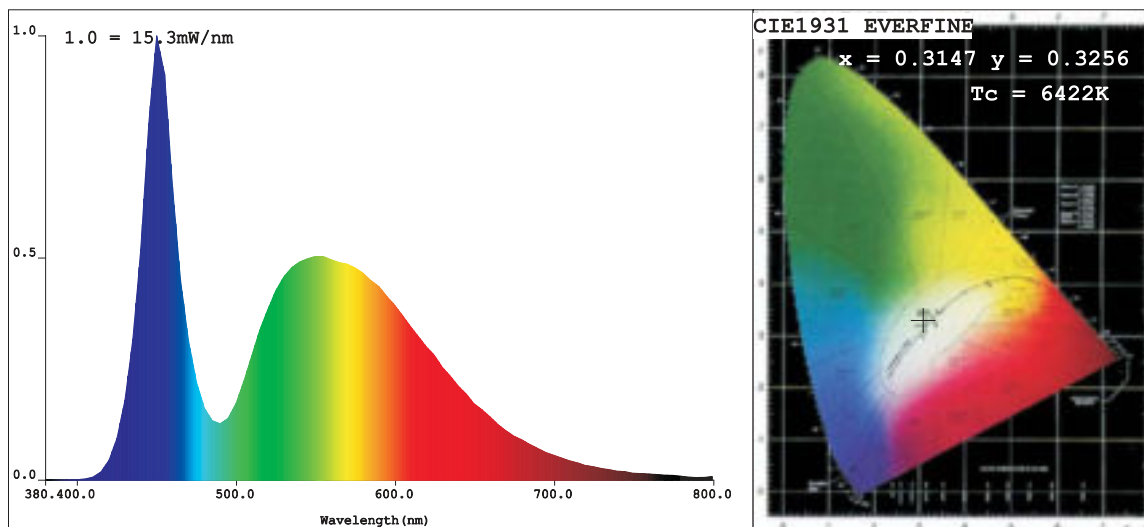
Parameter	Rating	Units
Aluminum Heat sink Temperature	61	° C
Operating Temperature	-20~+40	° C
Storage Temperature	-40~+80	° C
Equilibrium Temperatur	58	° C



FZ/001/T10060/FC11E

Spectrophotometer Test Report

Light Source Test Report



CIE Color Parameters:

Chromaticity Coordinate: x=0.3147 y=0.3256/u'=0.2005 v'=0.4668 (duv=4.38e-004)

CCT: Tc= 5422K Prcp WaveL: λ=486.2nm Purity=6.9%

Peak WaveL: λp=450nm Half Width: Δλ=24.3nm Ratio: R=12.8% G=82.9% B=4.4%

Average Wave: 544nm

CLASS: E_5700K

Rendering Index: Ra=75.3

Photo Parameters:

Flux: Φ=977.71(lm) Luminous Efficacy: 79.31(lm/W) Luminous Power: P=1.162(W)

Electrical Parameters:

U=211.2V I=0.0354A P=10.603W PF=0.940

Instrument Status:

Scan Range: 380.0nm-800.0nm

Interval: 5.0nm

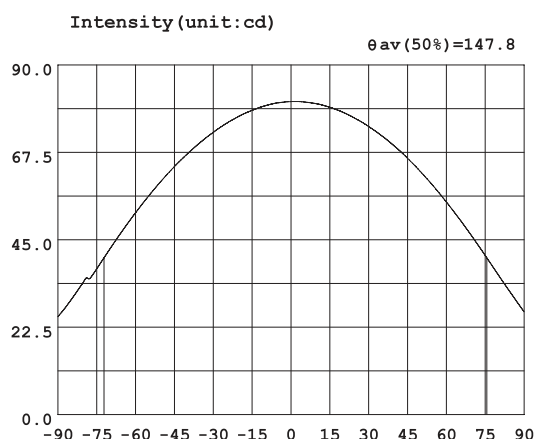
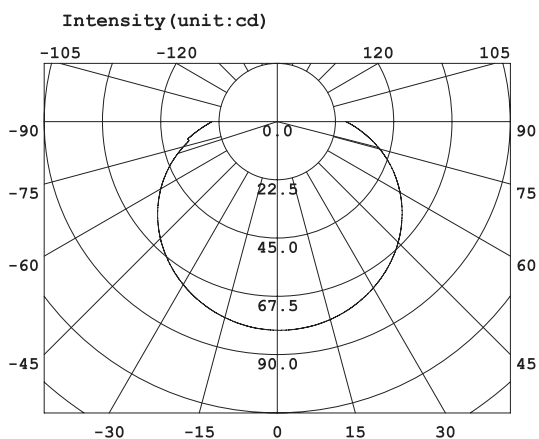
Ip = 18108(G=4,D=54)

REF = 15518

TMP(PMT) = 31.1(deg.celsius)

Test Mode: Fast Test

GONIOPHOTOMETER Test Report





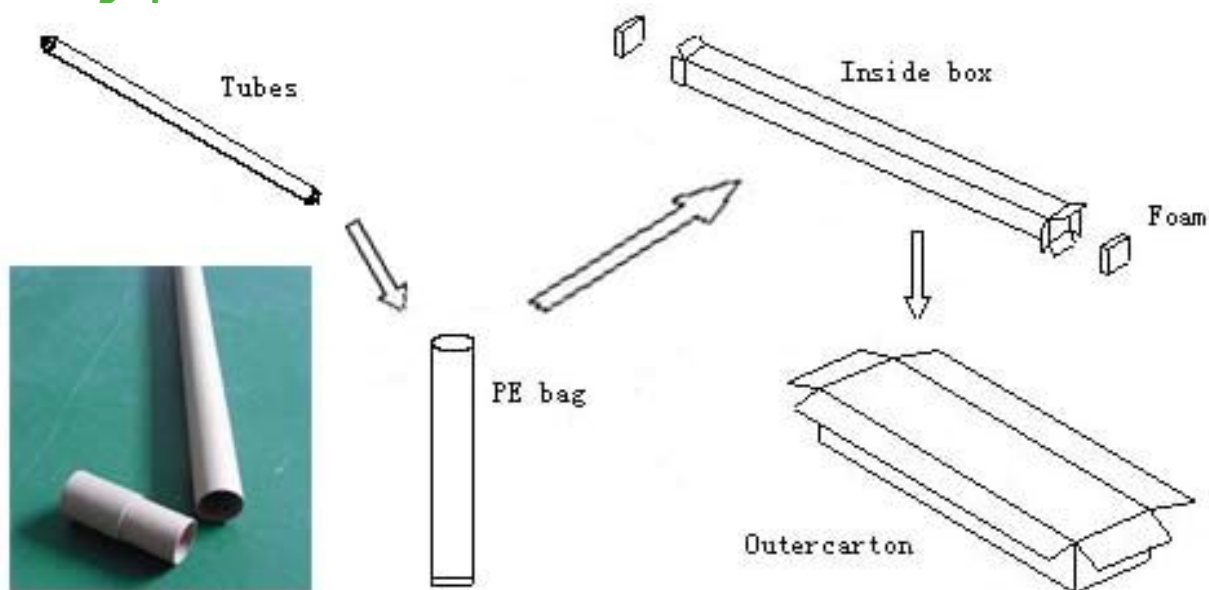
ARK Lighting Warranty

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)
T10 600mm	25	5	643*195*195mm
T10 900mm	25	9.2	913*195*195mm
T10 1200mm	25	12	1248*195*195mm

