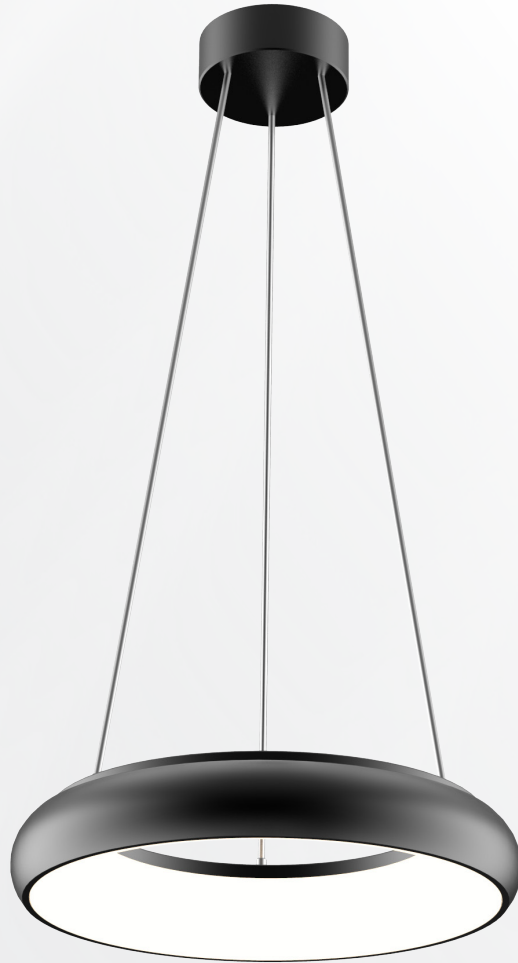




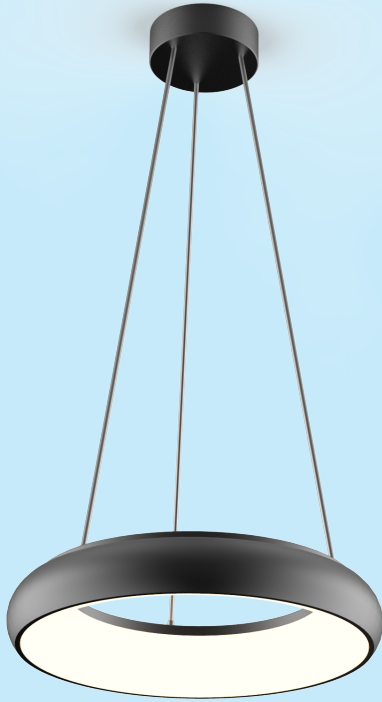
Up-shine® Lighting



Technical Application  
Guide for UP-SHINE  
LED Ceiling light

UP-AL24B-16-35W

# Introduction



The hollow shape is full of creativity which brings vitality into ordinary lamp body and shows faultless performance, provides a strong sense of space.

The curved light direction emphasizes target object in a smooth and dramatic atmosphere, revealing an unexpected art inspiration design, which brings a comfortable visual experience.

By having an arc luminous surface, we break traditional design. The circular light output offers a magic 3D effect.

- Up to 70% energy saving compared to standard CFL
- Long lifetime of 40,000 hours
- Triac dim
- 120° wide beam angle
- CCT: 3000K 4000K  
5000K 5700K
- No UV/IR light
- Environment friendly, without Mercury or any other hazardous substances

## Application notes

- IP40 for indoor use only
- Professional electrician for installation only
- Switch off before installation
- Do not touch when in use
- Keep away from hot steam and corrosive gas

## Application Areas

Suitable for leisure location, such as: home, hotel, library, restaurant, cafe shop etc.

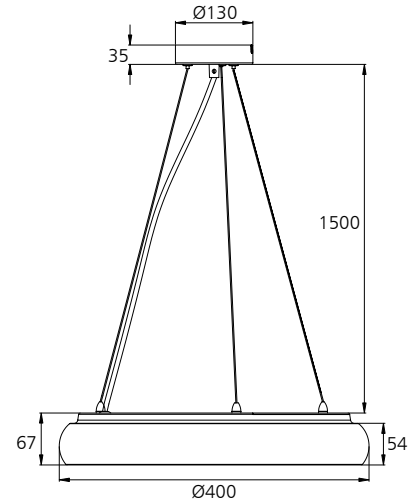
## Certificate



**RoHS**



# Product Information



## Technical Specifications

Model	Voltage	Power	Power Factor	Lumen ( $\pm 5\%$ )	Beam angle	CCT	Lifespan	CRI	Dimmable	Dimension
UP-AL24B-16-35W	AC100-240V	35W	$\geq 0.9$	2940	$120^\circ$	3000K	40000h	$\geq 80$	No	$\text{Ø}400 \times 67\text{mm}$
UP-AL24B-16-35W	AC100-240V	35W	$\geq 0.9$	3290	$120^\circ$	4000K	40000h	$\geq 80$	No	$\text{Ø}400 \times 67\text{mm}$
UP-AL24B-16-35W	AC100-240V	35W	$\geq 0.9$	2940	$120^\circ$	5000K	40000h	$\geq 80$	No	$\text{Ø}400 \times 67\text{mm}$
UP-AL24B-16-35W	AC100-240V	35W	$\geq 0.9$	3220	$120^\circ$	5700K	40000h	$\geq 80$	No	$\text{Ø}400 \times 67\text{mm}$
UP-AL24B-16-35W-D	AC230V	35W	$\geq 0.9$	2835	$120^\circ$	3000K	40000h	$\geq 80$	Yes	$\text{Ø}400 \times 67\text{mm}$
UP-AL24B-16-35W-D	AC230V	35W	$\geq 0.9$	3185	$120^\circ$	4000K	40000h	$\geq 80$	Yes	$\text{Ø}400 \times 67\text{mm}$
UP-AL24B-16-35W-D	AC230V	35W	$\geq 0.9$	2835	$120^\circ$	5000K	40000h	$\geq 80$	Yes	$\text{Ø}400 \times 67\text{mm}$
UP-AL24B-16-35W-D	AC230V	35W	$\geq 0.9$	3115	$120^\circ$	5700K	40000h	$\geq 80$	Yes	$\text{Ø}400 \times 67\text{mm}$

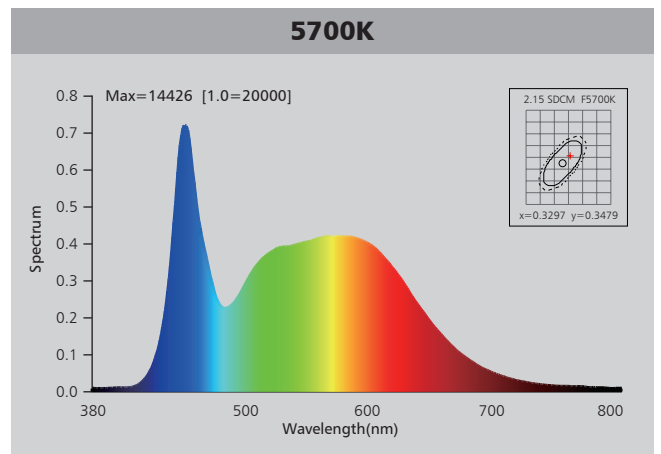
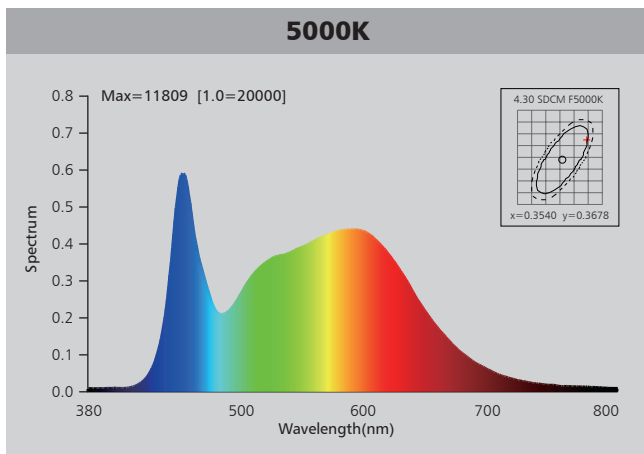
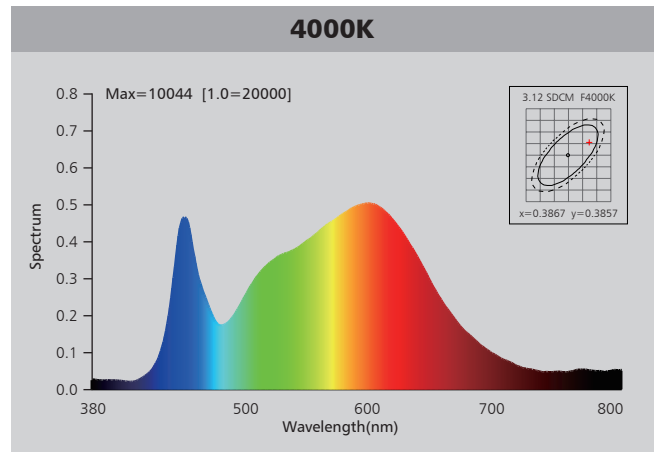
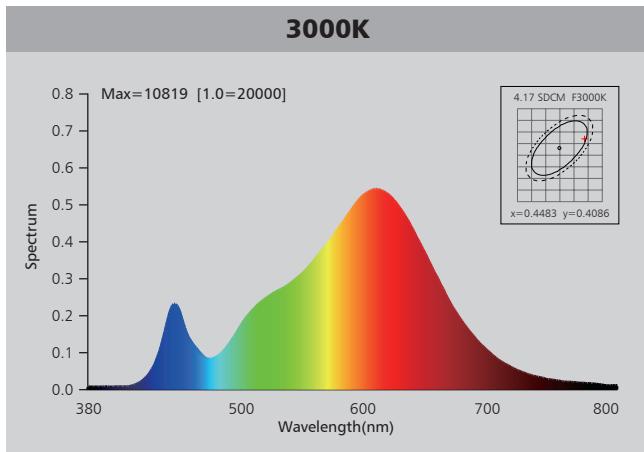
## Driver data Sheet

Driver data	DIM	Non dim
Input rated Voltage	AC230V	AC100-240V
Frequency	50Hz	50/60Hz
Input Voltage	AC200-240V	AC85-265V
Efficiency	$\geq 85\%$	$\geq 88\%$
Total load Wattage	$35\text{W} \pm 5\%$	$35\text{W} \pm 5\%$
Power Factor	$\geq 0.9$	$\geq 0.9$
Rated input current	$\leq 0.2\text{A}$	$\leq 0.46\text{A}$
Full load output Voltage	DC65-75V	DC65-75V
Rated output current	430mA	440mA
Output current range	$430\text{mA} \pm 5\%$	$440\text{mA} \pm 5\%$
Power tolerance	$\pm 5\%$	$\pm 5\%$
Current output tolerance	$\pm 5\%$	$\pm 5\%$
Dimming range	8%-100%	—
Dimmer	Triac dimmers	—
Short circuit protection	PASS	PASS
Over voltage protection	PASS	PASS
Over temperature protection	PASS	PASS
THD	$\leq 20\%$	$\leq 20\%$
Withstand voltage	—	—

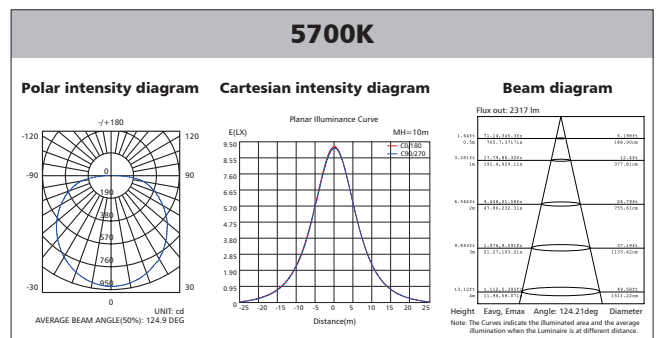
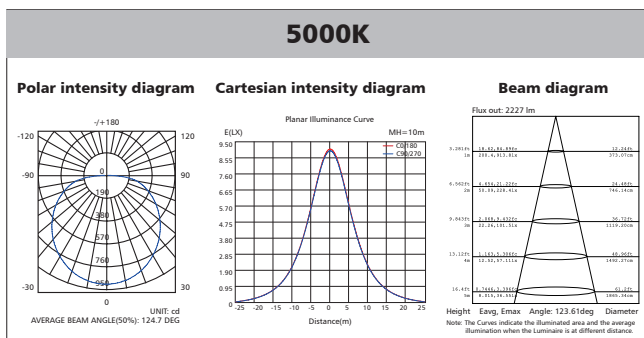
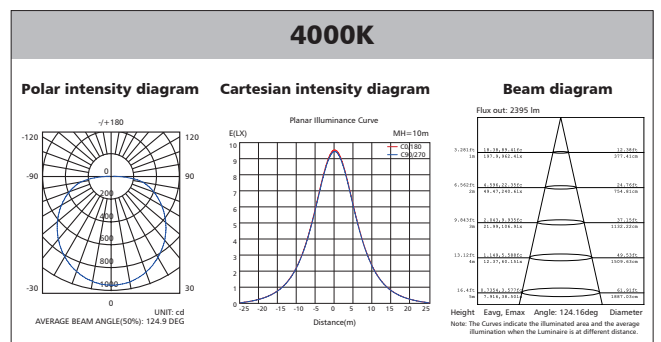
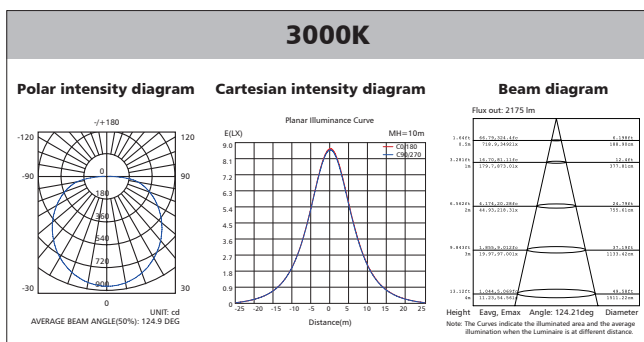
## Fixture Compatibility

Rated Wattage	Electrical Classification	Ingress Protection	Operating Temp	Operating Humidity	Storage Temp
35W	I	IP40	$-20^\circ\text{C} \sim 45^\circ\text{C}$	0~90%	$-20^\circ\text{C} \sim 65^\circ\text{C}$

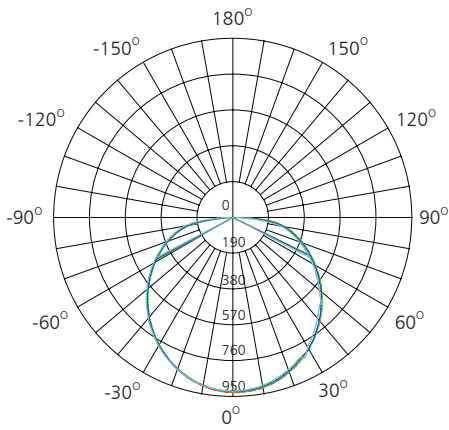
# Spectral Distribution



# Photometric Diagram



# Polar Diagram Comparison



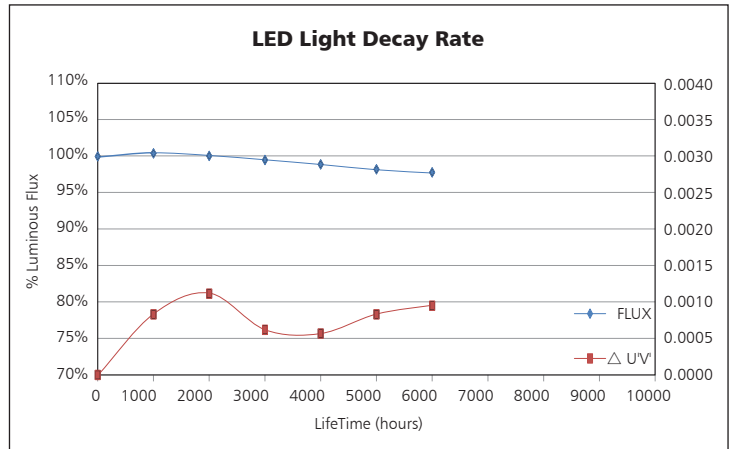
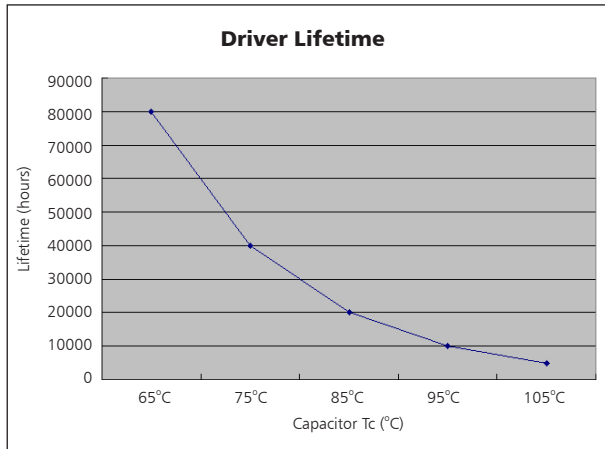
UNIT: cd

- C0/180, 124.9 deg
- C30/210, 124.8 deg
- C60/240, 124.9 deg
- C90/270, 124.8 deg



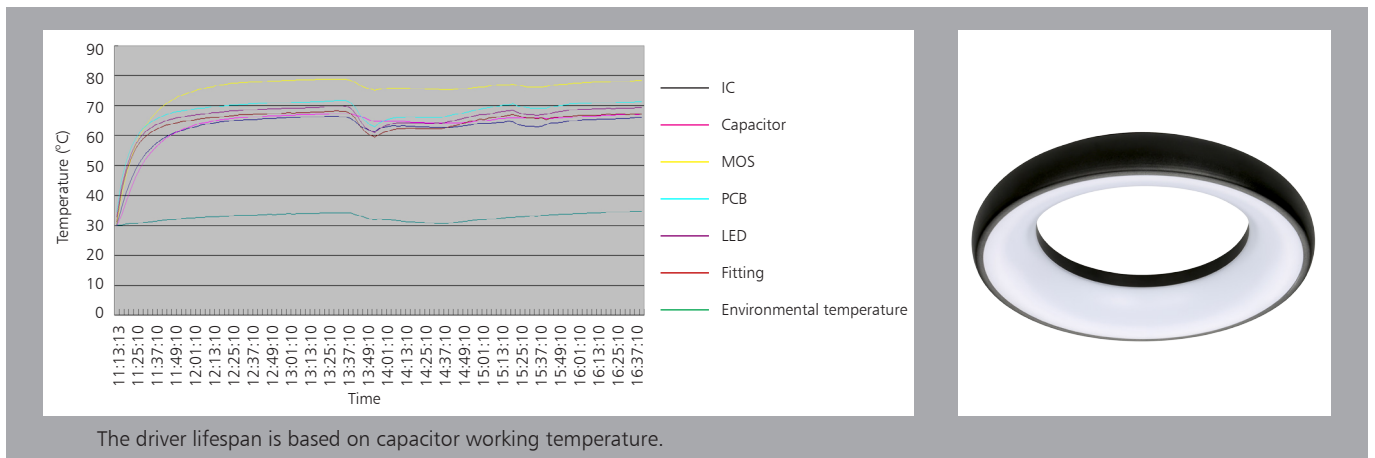
AVERAGE BEAM ANGLE (50%): 124.9DEG

# Driver lifetime & LED light decay rate



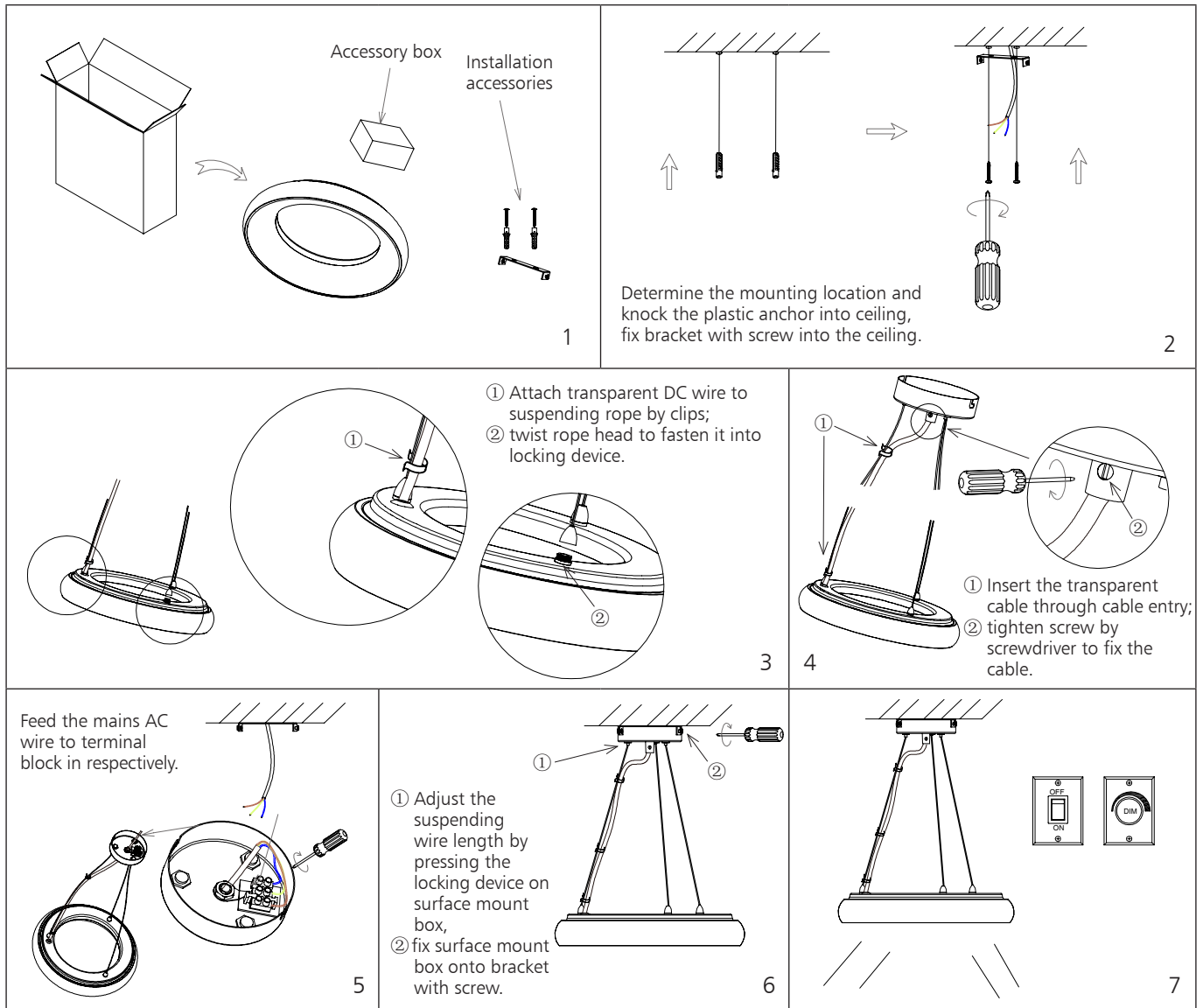
# Temperature

- The testing is operated at 25°C
- The lifetime of capacitor, minimum of 5,000 hours if operated at 105°C, will be doubled whenever the temperature drops 10°C
- The highest withstand temperature of IC, MOS could be 120°C
- The highest withstand temperature of LED junction temperature is 150°C



The driver lifespan is based on capacitor working temperature.

# Installation



# Packaging Information

	SIZE(CM)	N.W/pc (KGS)	G.W.(KGS)	Q'TY(PCs)
Carton	45.5*46*50	1.6	12	6

	CTNS	Q'TY(PCs)	VOLUME(CBM)
20" standard container	265	1590	28
40" standard container	530	3180	56

