



Technical Application
Guide for UP-SHINE
LED Step Light

UP-WL02-7070-3W

Introduction



WL02 LED Step Light is a new product simple and generous designed mainly for Oceania and European market. Wall mounted recessed installation, widely used for corridor, stairway, basement, carport application, and the most appropriate mounting height is 0.3m up to ground.

There are 4 sizes, users can choose according to specific demand. The reflector is made of high-reflectivity aluminum with specular finish, anti-aging, with light transmittance up to 90%. Light distributing through transparent tempered glass, uniform light creates comfortable visual experience. ADC12# Die-casting aluminum heat sink, powder spray painting surface treatment, glossy and corrosion resistance, excellent heat conducting. Moreover, it is designed with waterproof rubber ring for IP54 waterproof, safe and reliable, at the same time, reduce maintenance cost.

- Up to 70% energy saving compared to halogen lamp
- Long lifetime of 40,000 hours
- 60° beam angle
- CCT: 3000K 4000K 5000K 5700K
- No UV/IR light
- Environment friendly, without Mercury or any other hazardous substances

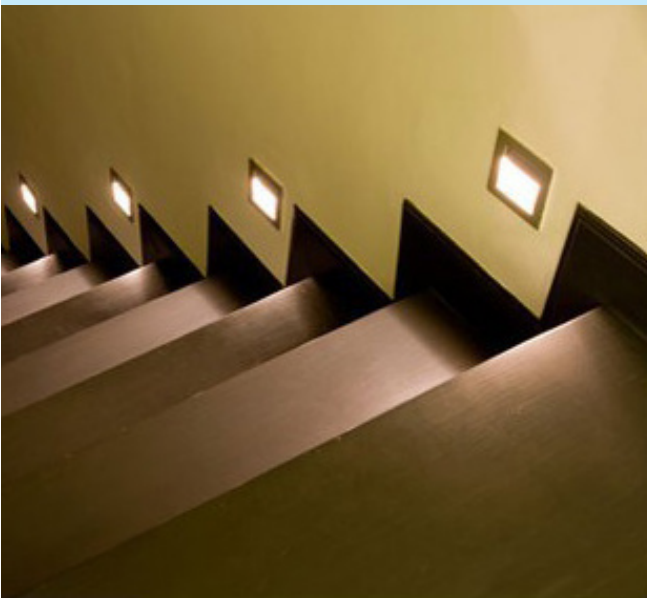
Application notes

- IP54 for indoor and semi-outdoor
- Professional electrician for installation only
- Switch off before installation
- Do not touch when in use
- Keep away from hot steam and corrosive gas

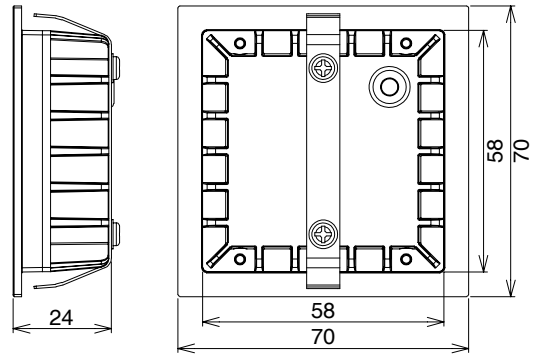
Application Areas

It is widely used for corridor, stairway, basement, carport application.

Certificates



Product Information



Technical Specifications

Model	Voltage	Power	Power Factor	Lumen (±5%)	Beam angle	CCT	Lifespan	CRI	Dimmable	Dimension
UP-WL02-7070-3W	AC100-240V	3W	≥0.5	180	60°	3000K	40000h	≥80	No	70*70*24mm cutout 60*60mm
UP-WL02-7070-3W	AC100-240V	3W	≥0.5	190	60°	4000K	40000h	≥80	No	70*70*24mm cutout 60*60mm
UP-WL02-7070-3W	AC100-240V	3W	≥0.5	220	60°	5000K	40000h	≥80	No	70*70*24mm cutout 60*60mm
UP-WL02-7070-3W	AC100-240V	3W	≥0.5	220	60°	5700K	40000h	≥80	No	70*70*24mm cutout 60*60mm

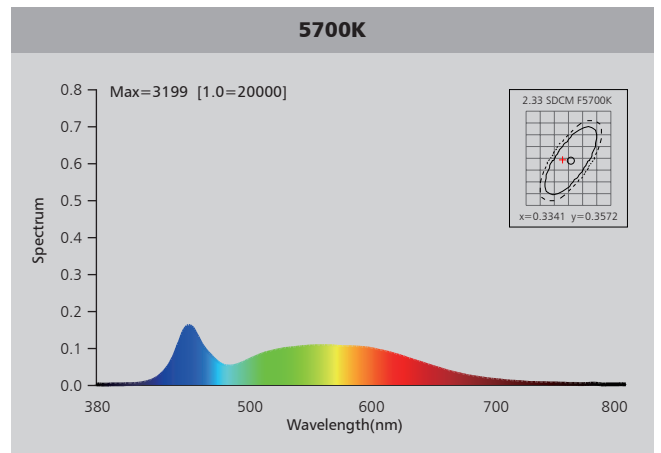
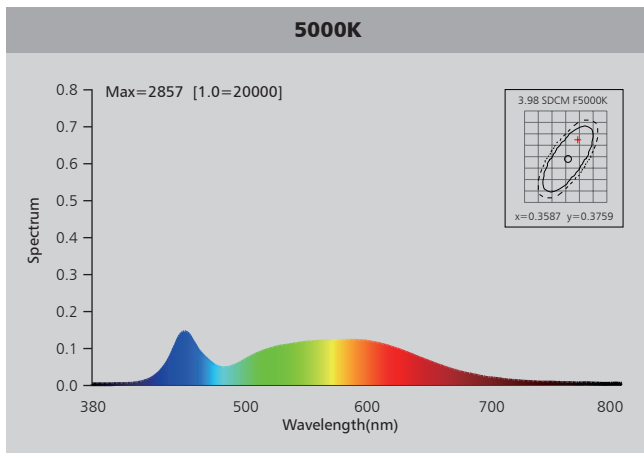
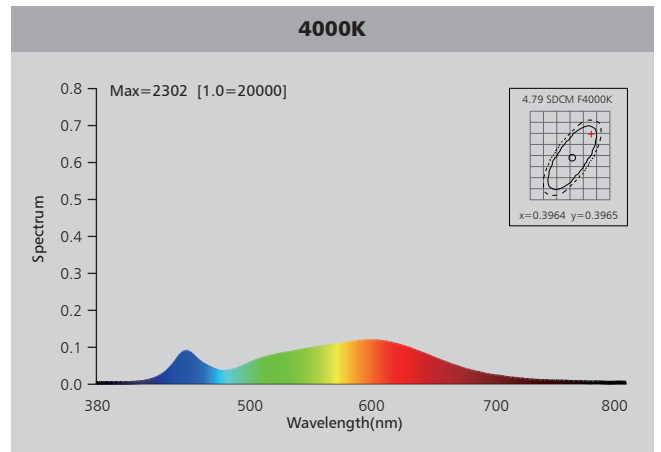
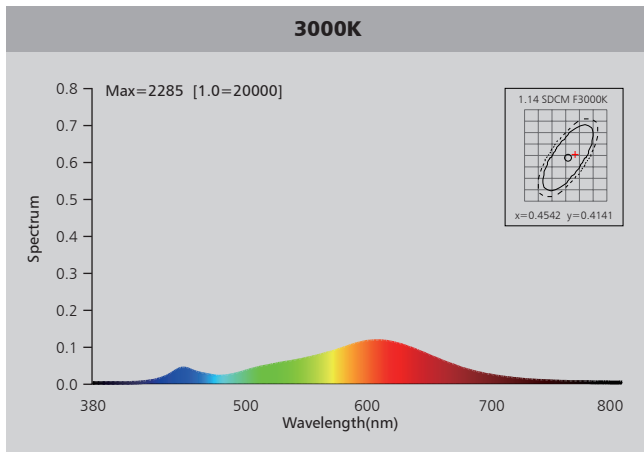
Driver data Sheet

Driver data	Non-dim
Input rated Voltage	AC100-240V
Frequency	50/60Hz
Input Voltage	AC85-265V
Efficiency	≥75%
Total load Wattage	3W±0.5W
Power Factor	≥0.5
Rated input current	≤0.06A
Full load output Voltage	DC9-11V
Rated output current	240mA
Output current range	240mA±5%
Power tolerance	±5%
Current output tolerance	±5%
Short circuit protection	PASS
Over voltage protection	PASS
Over temperature protection	PASS
Withstand voltage	AC3750V

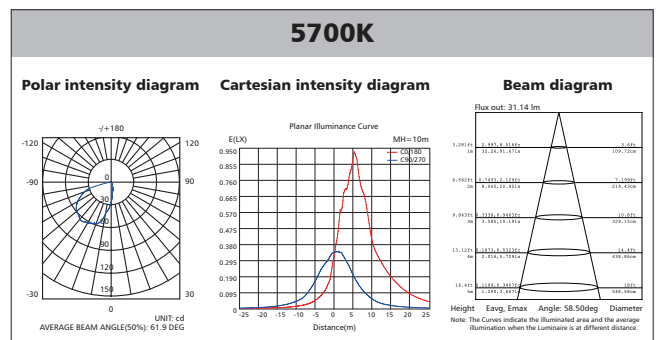
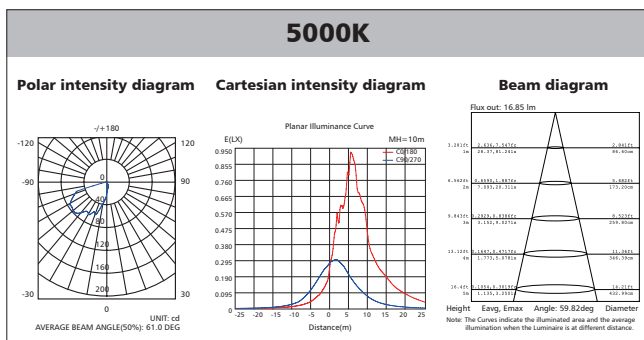
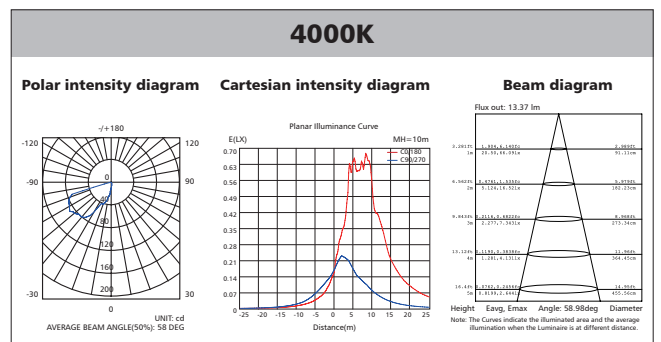
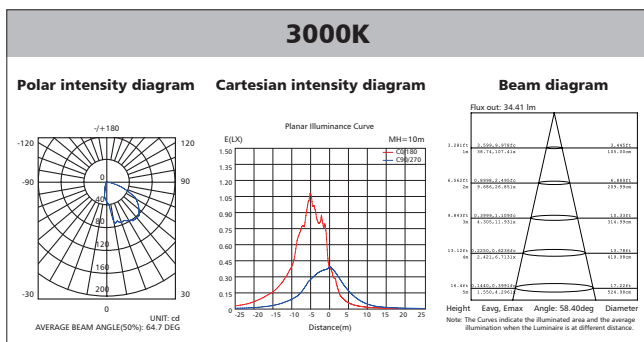
Fixture Compatibility

Rated Wattage	Electrical Classification	Ingress Protection	Operating Temp	Operating Humidity	Storage Temp
3W	II	IP54	-20°C~45°C	0~90%	-20°C~65°C

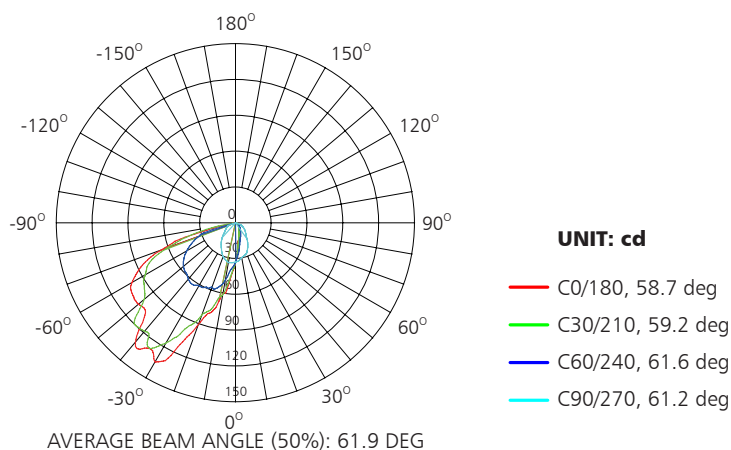
Spectral Distribution



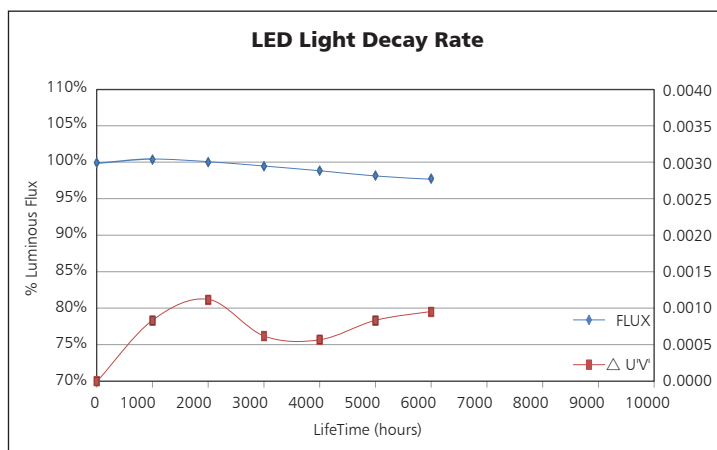
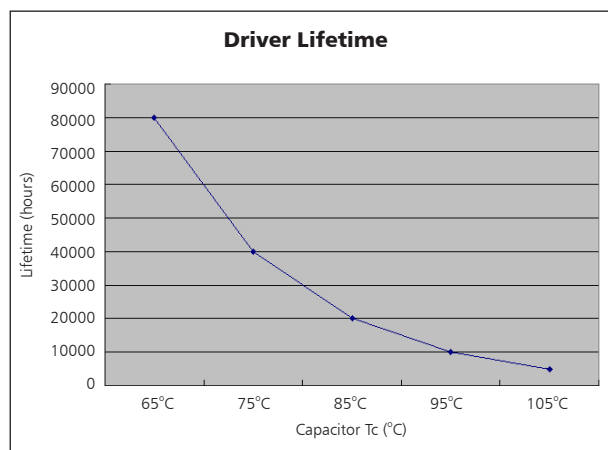
Photometric Diagram



Polar Diagram Comparison

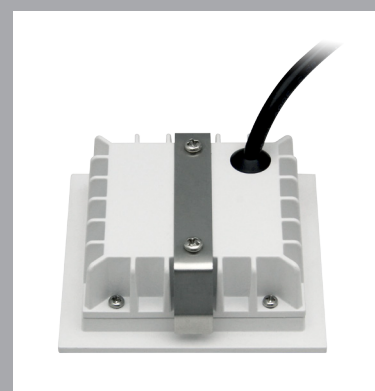
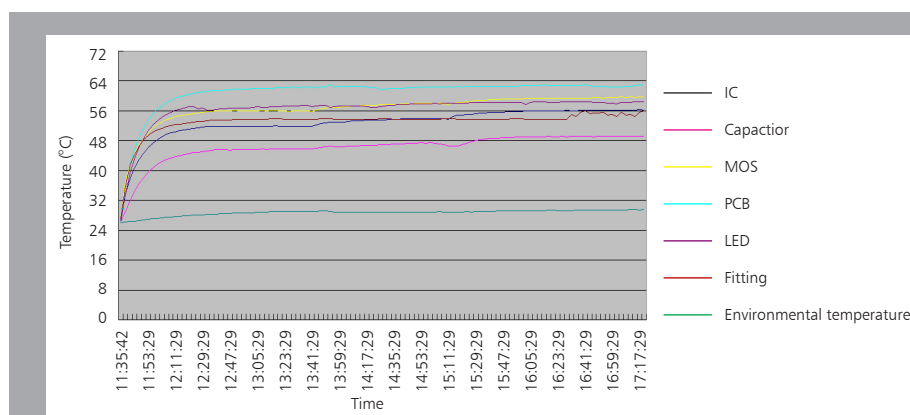


Driver lifetime & LED light decay rate



Temperature

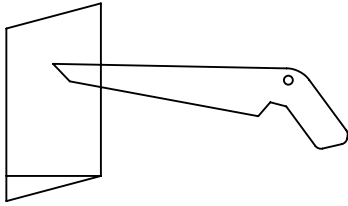
- The testing is operated at 25°C
- The lifetime of capacitor, minimum of 5,000 hours if operated at 105°C, will be doubled whenever the temperature drops 10°C.
- The highest withstand temperature of IC, MOS could be 120°C
- The highest withstand temperature of LED junction temperature is 150°C



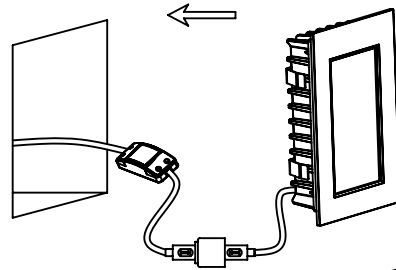
The driver lifespan is based on capacitor working temperature.

Installation

Step 1: Ceiling opening.



Step 2: Connect power supply, hold back spring clips and push wall light into wall.



Step 3: Restore mains power and check for correct operation.



Packaging Information

	SIZE(CM)	N.W/pc (KGS)	G.W.(KGS)	Q'TY(PCS)
Carton	47.5*47.5*16.5	0.22	12	50

	CTNS	Q'TY(PCS)	VOLUME(CBM)
20" standard container	732	36600	28
40" standard container	1464	73200	56

