



TRULUX
LIGHTING



Technical Application
Guide for TRULUX LED
Waterproof Batten
TRU-AL17F-42W

Introduction



TRULUX IP65 weatherproof batten is newly developed for the Australian market. It is available in 21W & 42W with size of 600mm and 1200mm. Featuring high grade polycarbonate diffuser and housing, they are suitable for commercial and industrial use where moisture or dust is prevalent.

Economy Weatherproof Batten range offers cost effective reliability and weatherproof resistance.

- Up to 70% energy saving compared to standard CFL
- Long lifetime of 40,000 hours
- 110° wide beam angle
- CCT: 3000K 4000K
5000K 5700K
- No UV/IR light
- Environment friendly, without Mercury or any other hazardous substances

Application Notes

- IP65 both for indoor and outdoor use
- 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

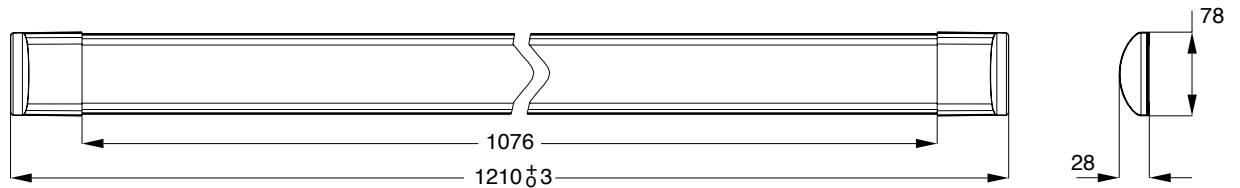
All commercial, industrial and domestic applications.



Certificate



Product Information



Technical Specifications

Model	Voltage	Power	Power Factor	Lumen (±5%)	Beam angle	CCT	Lifespan	CRI	Dimmable	Dimension
TRU-AL17F-42W	AC100-277V	42W	≥0.9	3490	110°	3000K	40000h	≥80	No	1210*78*28mm
TRU-AL17F-42W	AC100-277V	42W	≥0.9	3480	110°	4000K	40000h	≥80	No	1210*78*28mm
TRU-AL17F-42W	AC100-277V	42W	≥0.9	3570	110°	5000K	40000h	≥80	No	1210*78*28mm
TRU-AL17F-42W	AC100-277V	42W	≥0.9	3530	110°	5700K	40000h	≥80	No	1210*78*28mm

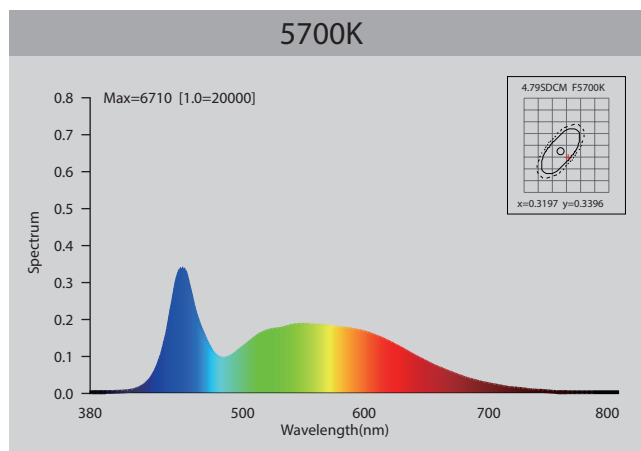
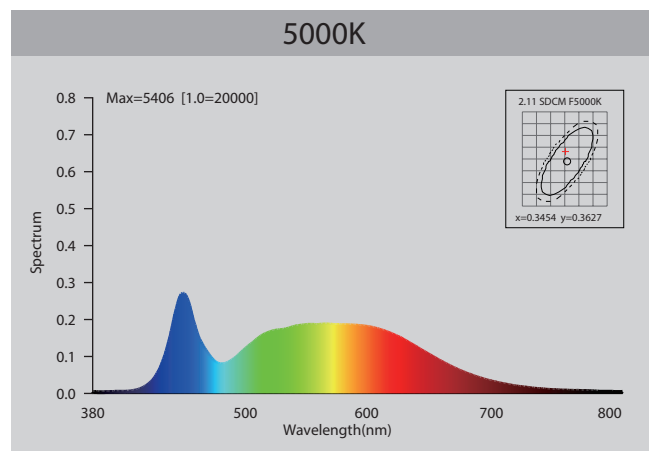
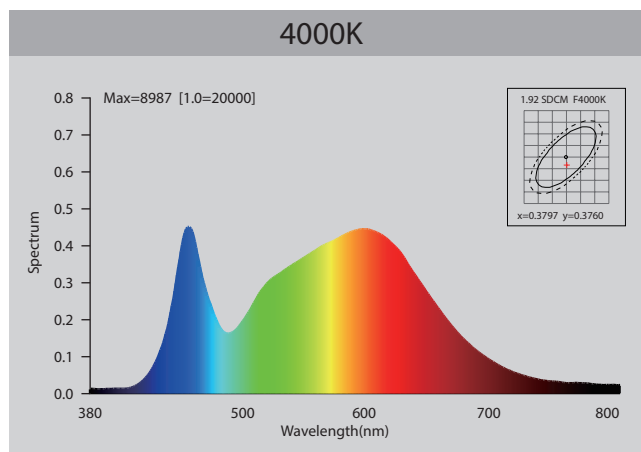
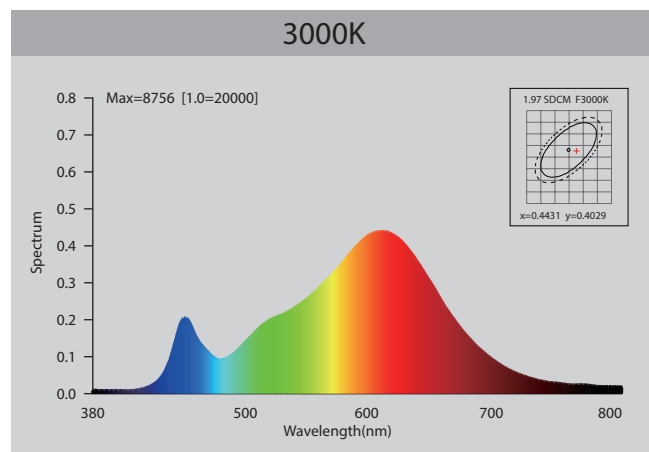
Driver data Sheet

Driver data	Non-dim
Input rated Voltage	AC100-277V
Frequency	50/60Hz
Input Voltage	AC90-305V
Efficiency	≥90%
Total load Wattage	2*21W±5%
Power Factor	≥0.9
Rated input current	≤2*0.24A
Full load output Voltage	DC60-72V
Rated output current	2*260mA
Output current range	2*260mA±5%
Power tolerance	±5%
Current output tolerance	±5%
Short circuit protection	PASS
Over voltage protection	PASS
Over temperature protection	PASS
Withstand voltage	AC3750V

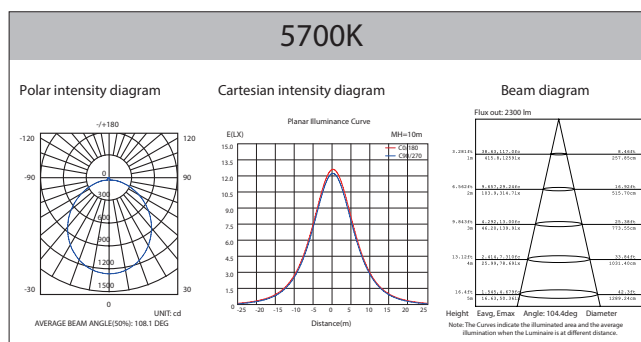
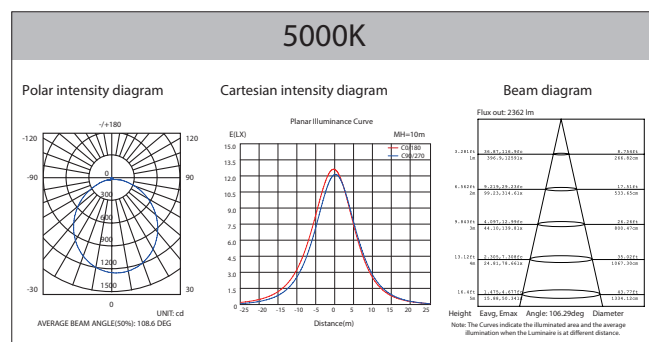
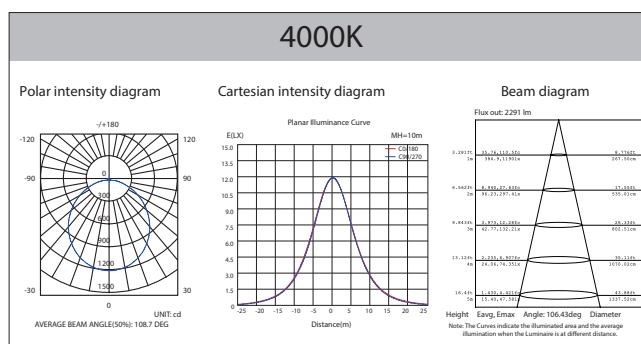
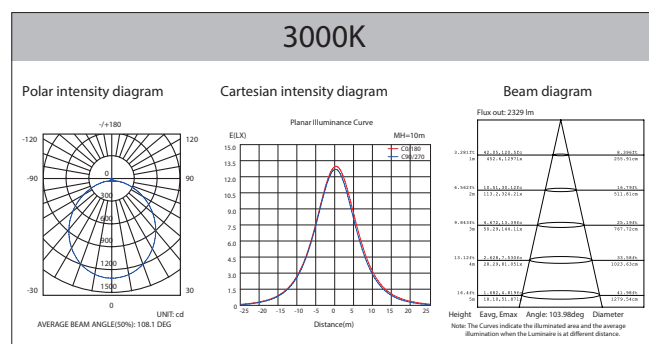
Fixture Compatibility

Rated Wattage	Electrical Classification	Ingress Protection	Operating Temp	Operating Humidity	Storage Temp
42W	II	IP65	-20°C~45 °C	0~90%	-20°C~65 °C

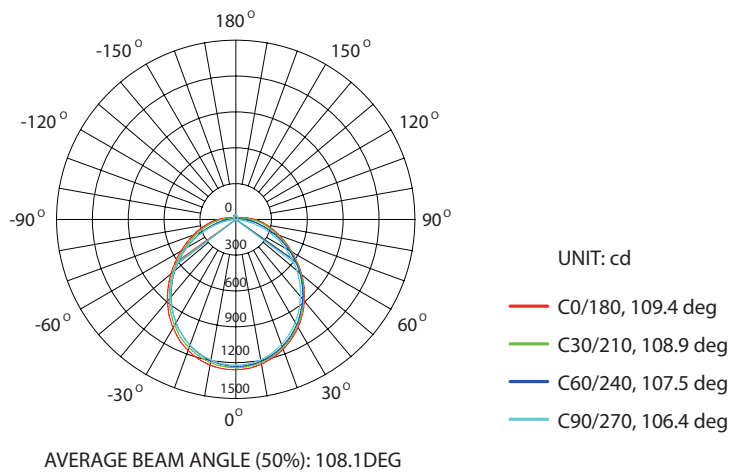
Spectral Distribution



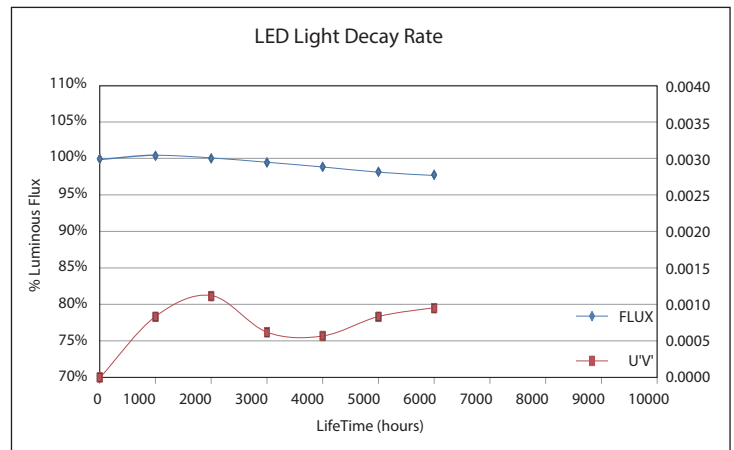
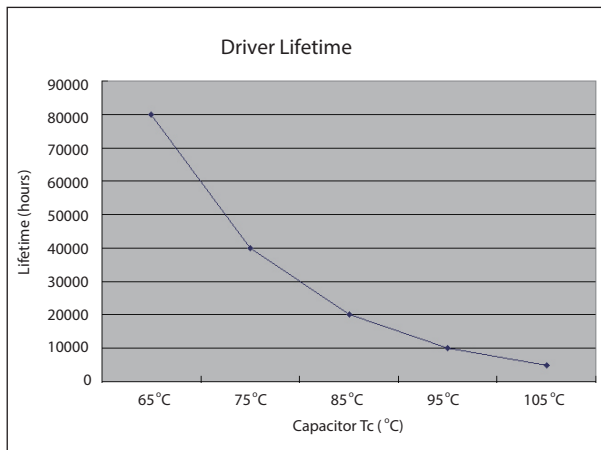
Photometric Diagram



Polar Diagram Comparison



Driver lifetime & LED light decay rate



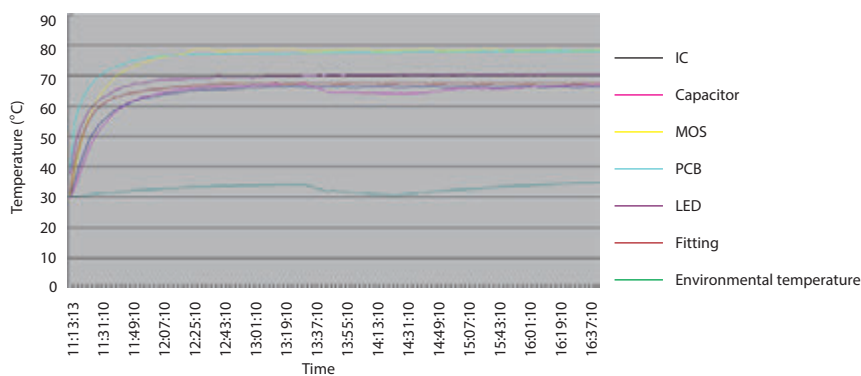
Temperature

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

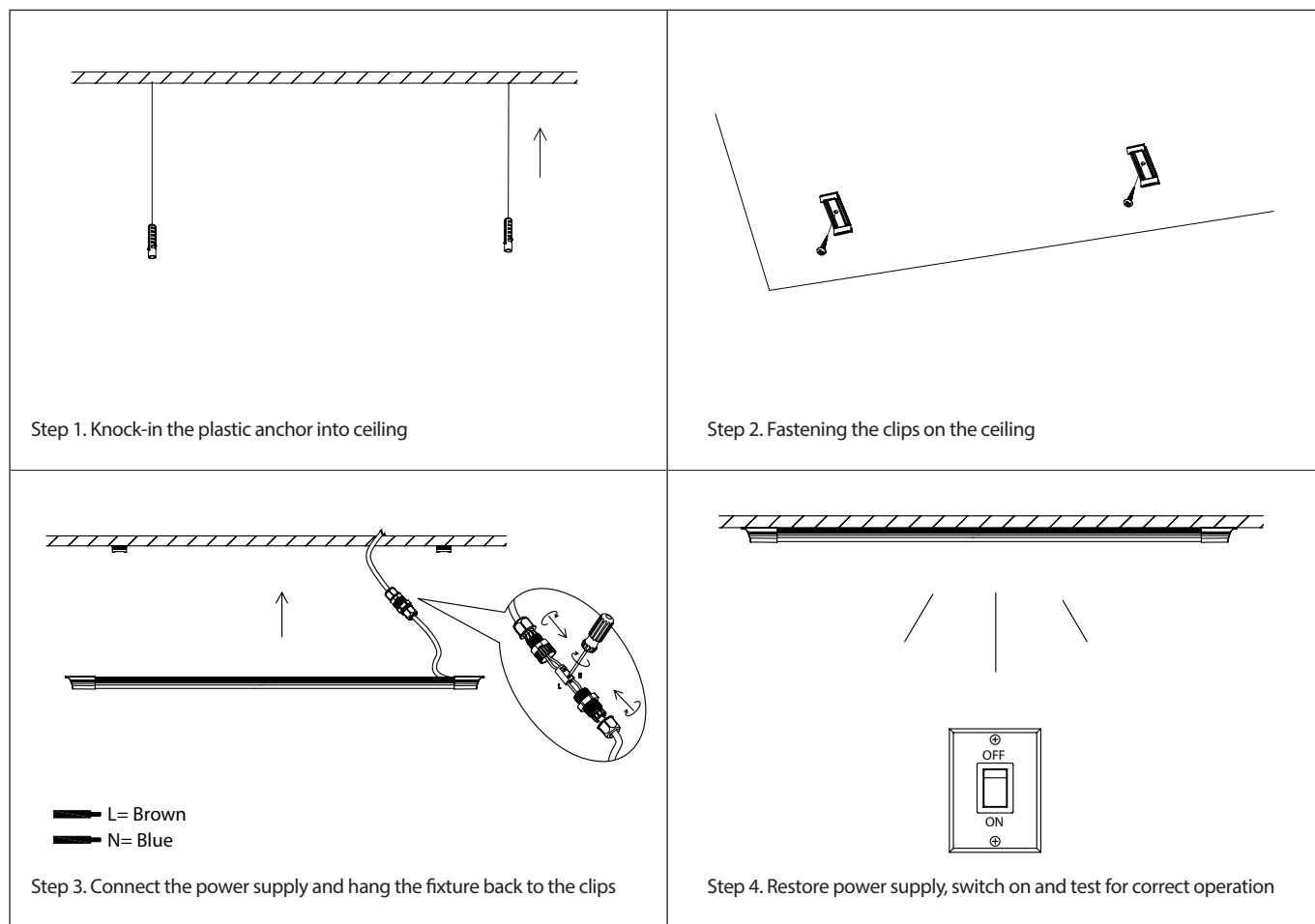
The highest withstand temperature of IC, MOS could be 120°C

The highest withstand temperature of LED junction temperature is 150°C



The driver lifespan is based on capacitor working temperature.

Installation



Packaging Information

	SIZE(CM)	N.W/pc (KGS)	G.W.(KGS)	Q'TY(PCS)
Carton	126*46*22.5	0.75	24.8	25

	CTNS	Q'TY(PCS)	VOLUME(CBM)
20" standard container	210	5250	28
40" standard container	420	10500	56

