alrouf
LIGHTING TECHNOLOGY CO. Ltd.

شركة الـــروف
لتقنيـــة الإنـــارة المحـــــدودة

ISO 9001-2015 QMS
ISO 45001:2018 HSE

ALROUF TRITON SERIES

INTEGRATED SOLAR STREET LIGHT

www.alroufled.com

Performance

30W~150W	IP66
195lm/W	IK08
Philips Lumileds	Monocrystalline silicon photovoltaic panels
PIR & Timer Dimming	LiFePO4 battery
MPPT Controller	Slip fitter
5000K (2500~6500K optional)	Operating Temperature: -30°C to +50°C (-22°F to 122°F)
60×100° / 70×135° / 75×150° / 80×150° / 110° / 150	Storing Temperature: -40°C to +80°C (-40°F to 176°F)

Extendable Solar Panel

With foldable solar panel extension, Triton offers more choices for higher wattage with the same structure for more demanding applications, be it long operation hours high power output or for harsh environment where high performance required in short sunny hours.

Product Features

- High luminous efficiency of 195lm/W to maximize battery performance.
- Environment friendly - 100% powered by the sun, solar panels reduce fossill fuel consumption, eliminating pollution.
- Off-grid roadway lighting made electric bill free.
- Self-contained solution - Light on/off controlled by automatic daylight sensing.
- IP66 Luminaire ensures long lasting and consistent high performance.
- No trenching or cabling work needed.
- Easy to install and maintain.
- Five Years Warranty.

Certification

CE RoHS

Specifications

Part#	Power	Solar Panel	Battery	Efficacy (IES)	Total Lumen	Product Dimensions
EL-TST-30	30W	60W/18V	12.8V/24AH	195 lm/W	5,850lm	950x405x270mm
EL-TST-40	40W	60W/18V	12.8V/30AH	195 lm/w	7,800lm	950x405x270mm
EL-TST-50	50W	70W/18V	12.8V/30AH	195 lm/w	9,750lm	1050x405x270mm
EL-TST-60	60W	70W/18V	12.8V/36AH	195 lm/w	11,700lm	1050x405x270mm
EL-TST-80	80W	80W/36V	25.6V/24AH	195 lm/w	15,600lm	1250x405x270mm
EL-TST-90	90W	100W/36V	25.6V/30AH	195 lm/w	17,550lm	1550x405x270mm
EL-TST-120	120W	120W/36V	25.6V/42AH	195 lm/w	23,400lm	1250x855x270mm (Extendable Solar Panel)
EL-TST-150	150W	150W/36V	25.6V/48AH	195 lm/w	29,250lm	1550x855x270mm (Extendable Solar Panel)

Applications

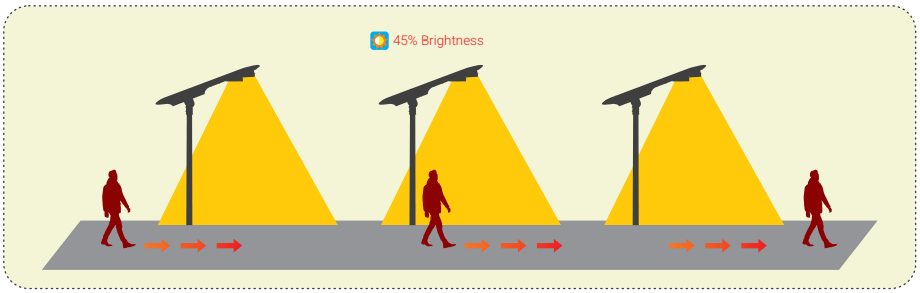
- Street Lighting
- Roadway Lighting
- Pathway Lighting
- Ramp Lighting
- Sidewalk Lighting
- Private Road Lighting
- Farm Lighting
- Wildlife Area Lighting
- Perimeter Security Lighting
- Park Lighting
- Railway Yard Lighting
- Fence Lighting
- Campus Lighting
- Ship Dock Lighting
- Remote Area Lighting
- Military Base Lighting
- Gate Lighting
- Jogging Path Lighting

SOLAR CONTROLLER - A

E-Lite Self Proprietary MPPT Controller

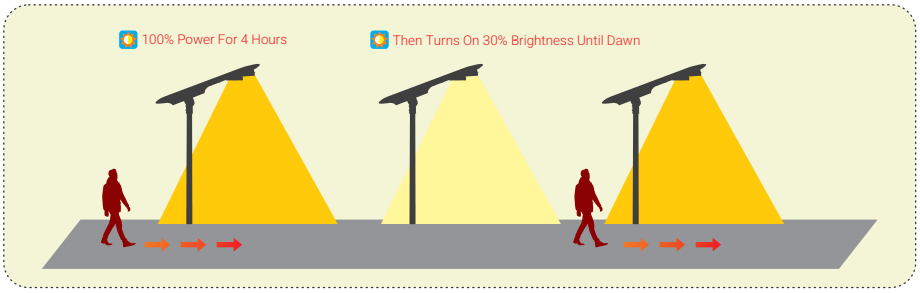
Constant Mode

Light will automatically turn on at dusk and keep constant 45% brightness in a set power in the period.



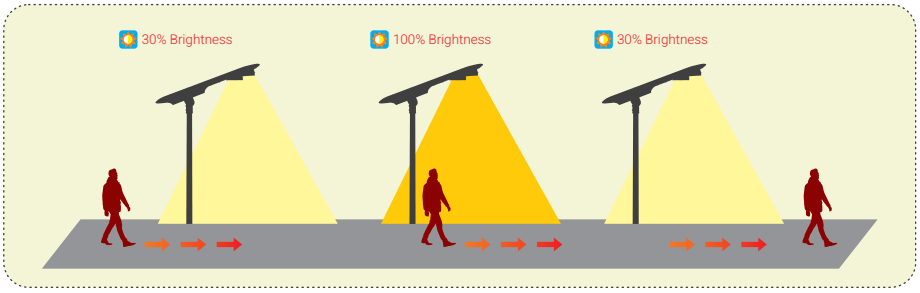
Dusk to Dawn Mode

Automatically turns on at dusk and remains at up to 100% brightness for 4 hours, then it automatically turns to 30% brightness until dawn.



Motion Sensor Mode

Automatically operates at 30% brightness. When motion is detected, light increases to 100% until no motion is detected for 30 seconds, then returns to 30% brightness.

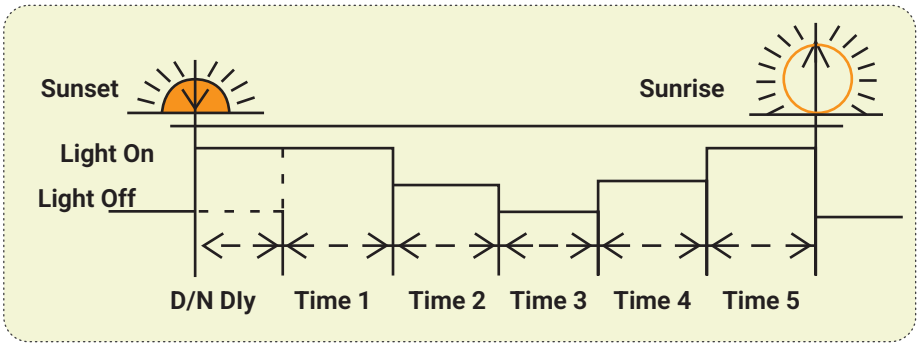


SOLAR CONTROLLER - B

Regular MPPT Controller

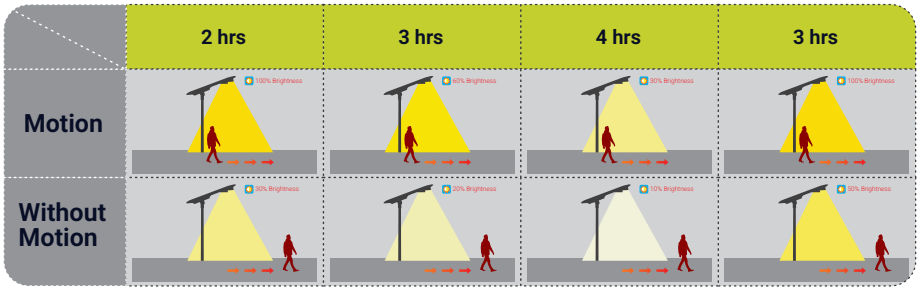
Five-Stage Mode

The lamps lighting divide into 5 stage, each stage time and dim can be setting according to demands. With diming setting, it is an efficient way to save energy, and keep the lamp working in best power and time.



Motion Sensor Mode

Motion:
2 hrs-100%; 3 hrs-60%;
4 hrs-30%; 3 hrs-100%;
Without Motion:
2 hrs-30%; 3 hrs-20%;
4 hrs-10%; 3 hrs-50%;

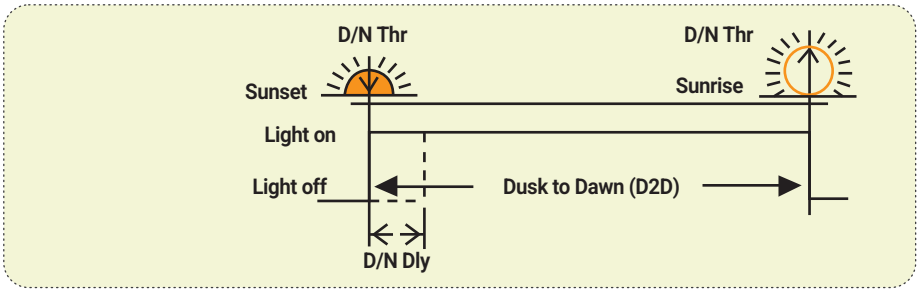


SOLAR CONTROLLER - C

Hybrid MPPT Controller

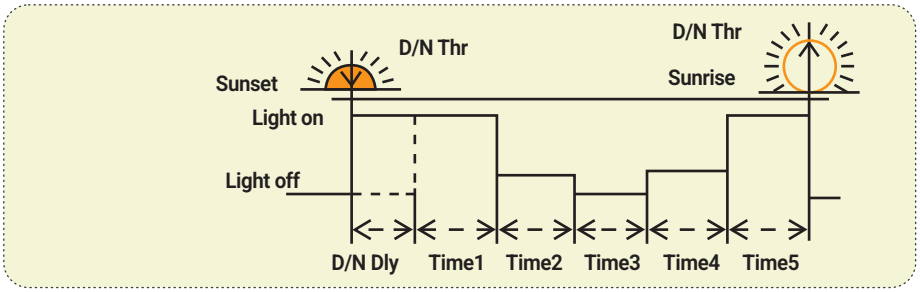
Dusk to Dawn (D2D)

When fixture is set to D2D, it works in dusk to dawn mode. The fixture will turn on while the sun is down, as determined by the solar panel voltage.



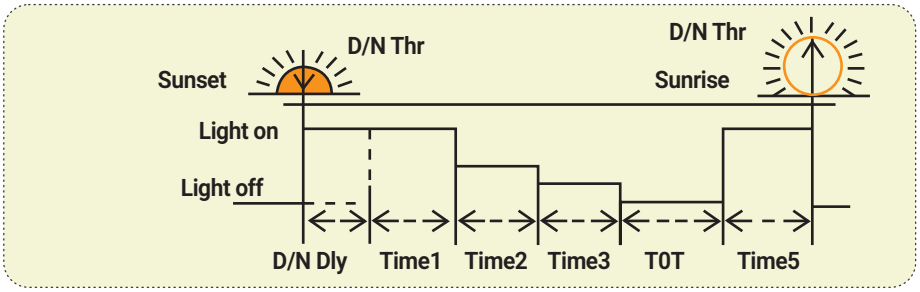
Five-stage Night Mode

The lamps lighting divide into 5 stage, each stage time and dim can be setting according to demands. With diming setting, it is an efficient way to save energy, and keep the lamp working in best power and time.



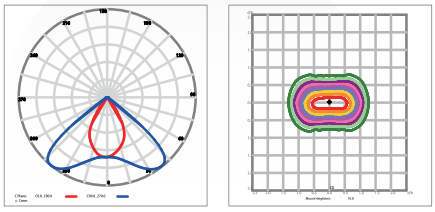
TOT Mode

(Can set the load on time before morning coming.) When fixture is set to T0T then it will determine Time4 based on Time5 and previous data on the time of sunrise.

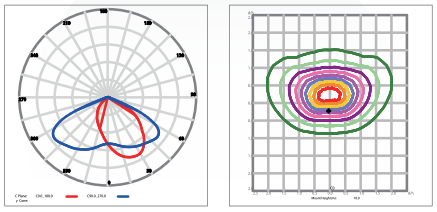


Photometrics

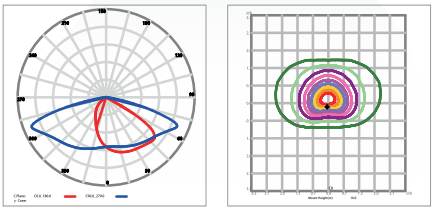
60×100°（TYPE Ⅰ-VS）



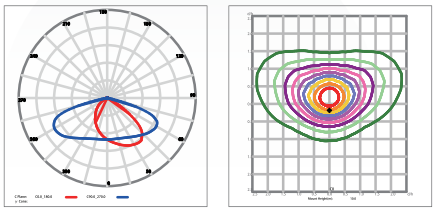
70×135°（TYPE Ⅱ-S）



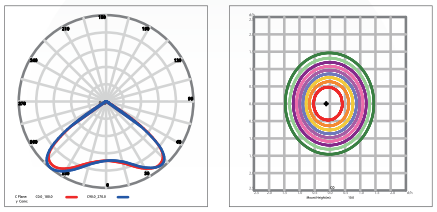
75×150°（TYPE Ⅲ-M）



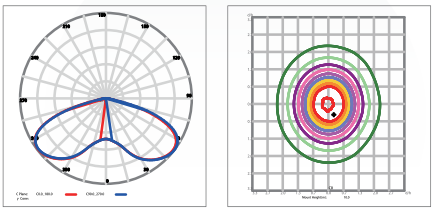
80×150°（TYPE Ⅲ-S）



110°（TYPE Ⅴ-VS）



150°（TYPE Ⅴ-VS）



L E D

alrouf
LIGHTING TECHNOLOGY CO.Ltd.

شركة الـــروف
لتقنيـــة الإنـــارة المحـــــدودة

Dammam
Prince Metib st,Izdhar District
Alrouf Trading Building
Tel/Fax : 966 13 8588556
sales@alroufled.com

Jeddah
Commercial center for
Dr. Hassan Nasr, Baladiyah St.,
Al Aziziyah.
Tel : +966-56 472 7973