TL-F SERIES

Solar Flood Lighting

5 years warranty

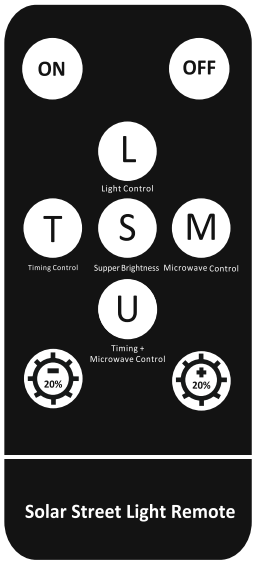
Templux Lighting s.r.l, Via Gradenigo 58, PD35100, Italy, info@templuxitaly.com, www.templuxitaly.com

TL-F SERIES

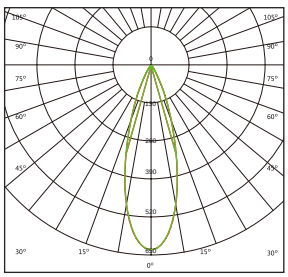
- High performance design with Bridgelux LED
- Luminous flux up to 21000lm (100W
- Efficacy up to 210lm/w
- Superior uniformity
- Superior temperature stability
- Lifespan>L90B10 @ 50.000hours (Ta=30)
- Energy saving up to 90%
- 100% powered by solar energy
- Easy installation
- Stainless steel screws
- Built-in lithium battery & controller & sensor
- Operating temp: -20℃ to 50℃
- Body: Die-casting aluminum alloy

Working modes

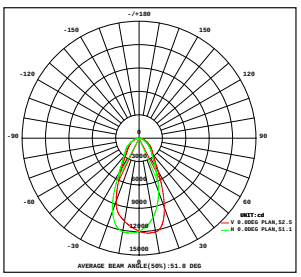
- ON: Turn on the light
- OFF: Turn off the light
- L: 2hrs-100%,2hrs-70%,8hrs-20%; 4 rainy back up days
- T: 1hrs-50%, 4hrs-100%, 3hr-50%, 4hr-25%; 2 rainy back up days
- S: 6hrs-100%, 6hrs-50%; 1 rainy back up day
- M: 100% when detect any movement, 30% no movement; 5 rainy back up days
- U: 2hrs-100%,2hrs-70%,2hr-50%; sensor start working, when detect movement 50%,20% no movement; 3 rainy back up days
- -20%: decrease 20% brightness based on original working mode
- + 20%: increase 20% brightness based on original working mode



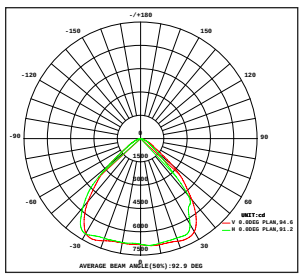
Photometric Diagrams



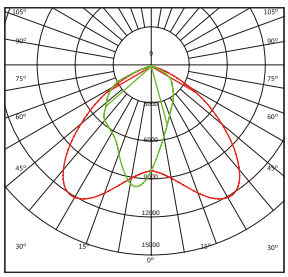
30° x 30°



60° x 60°



90° x 90°



150° x 70°

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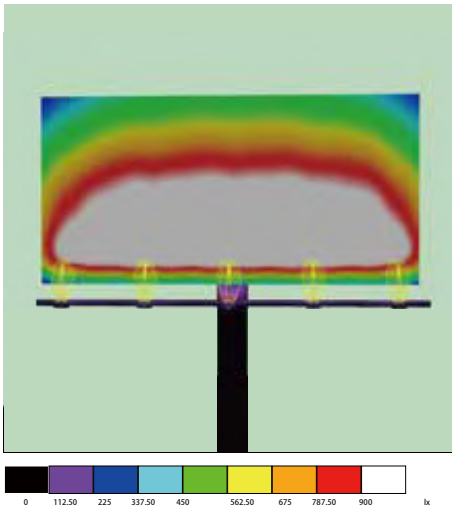
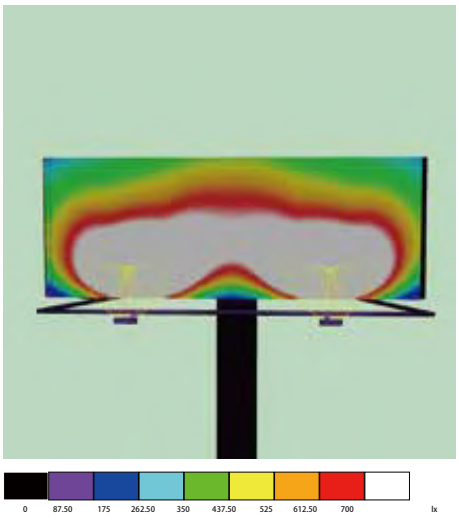
SPECIFICATIONS

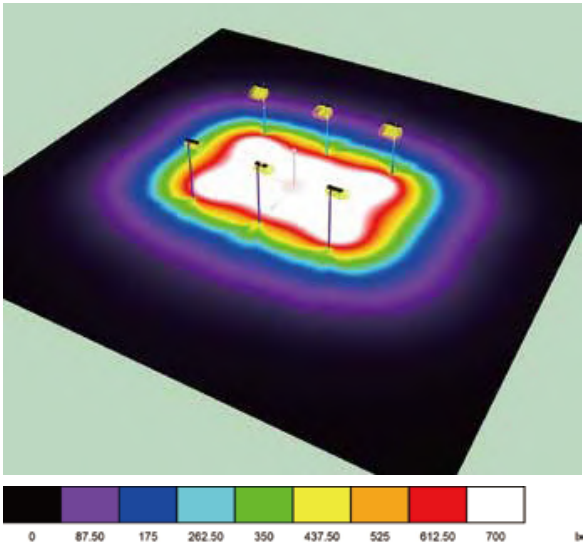
Model No.	TL-F-15	TL-F-20	TL-F-30	TL-F-40	TL-F-50	TL-F-60	TL-F-80	TL-F-100
Lumen Output	2700-3150lm	3600-4200lm	5400-6300lm	7200-8400lm	9000-10500lm	10800-12600lm	14400-16800lm	18000-21000lm
Wattage	15W	20W	30W	40W	50W	60W	80W	100W
LED Type & Qty	Bridgelux 5050 Led chip & 28pcs							
Luminous Efficacy	High effencicy 180-210lm/w for whole system							
CCT	6000K (2500-6500K are available)							
CRI	>Ra70 (>Ra80 optional)							
Beam Angle	90°x 90° Degree (default) or 30°x30° or 60°x 60° or 150°x 70° Degree							
IP Rating	IP65							
LiFePO4 Battery type	LiFePO4 (lithium-iron ferrous phosphate)							
Battery Capacity	15AH 12.8V	18AH 12.8V	21AH 12.8V	27AH 12.8V	33AH 12.8V	21AH 25.6V	24AH 25.6V	27AH 25.6V
System Vovltage	12.8V					25.6V		
Solar Controller	MPPT							
Solar Panel Type	Monocrystalline silicon, high efficiency up to 21%							
Solar Panel Capacity	18V 50W	18V 60W	18V 80W	18V 80W	18V 100W	36V 120W	36V 160W	36V 200W
Installation Height	4-6M	5-6M	5-8M	6-8M	7-9M	8-9M	8-10M	9-12M

Billboard Lighting 5000K Ra70

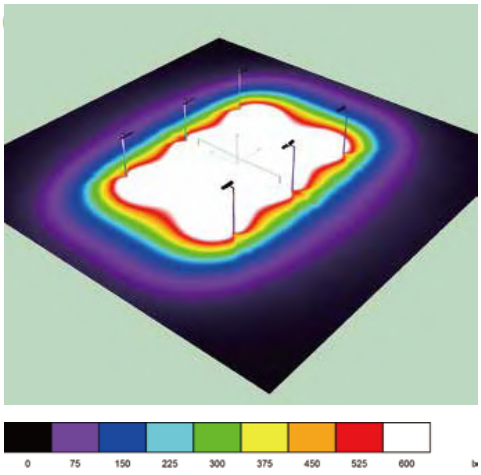




Badminton Court 5000K Ra70



Tennis 5000K Ra70



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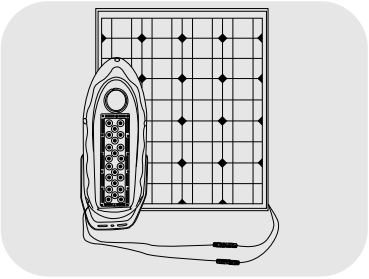
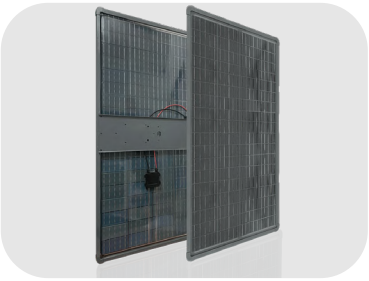
LIGHTING PERFORMACE



Compact system

- Led light, battery, solar controller, sensor built-inside of light with a separate solar panel. Easy for installation
- Die-cast aluminum lamp body with good heating dissipation performance



High efficiency mono solar panel

- 24% efficiency

Intelligent control

- Daynight sensor
- Microwave sensor control
- Timing control & brightness control

LiFePO4 battery pack

- Lifespan≥8 years
  >2000cycle times optional by using LiFePO4 Lithium battery
- With Smart BMS protection

Strong and stable

- All the screws are 304 stainless steel
- With a ±90 adjustable bracket can be setup for different application
  It brings convenience to installation and reducing workload and saving time

Play and Plug Connection

- MC4 male & female plug directly to the solar panel. Quick and easy for connection. 2.5mm power cord for less Voltage drop
- Cable length 5meters.

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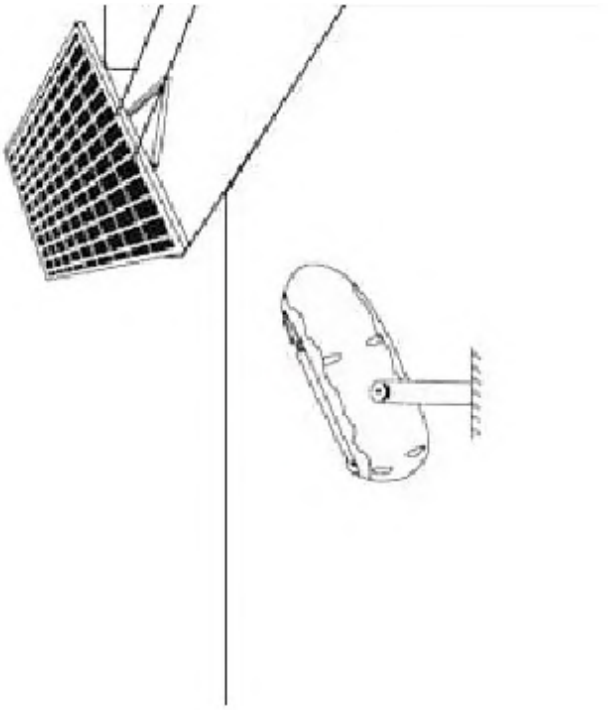
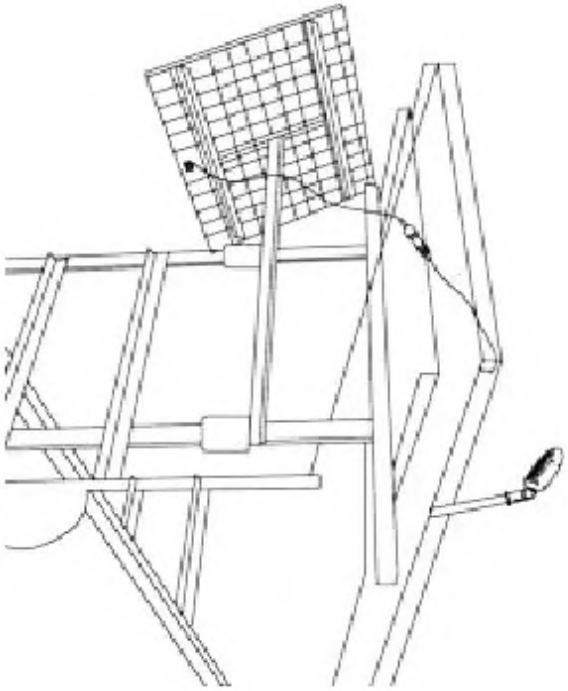
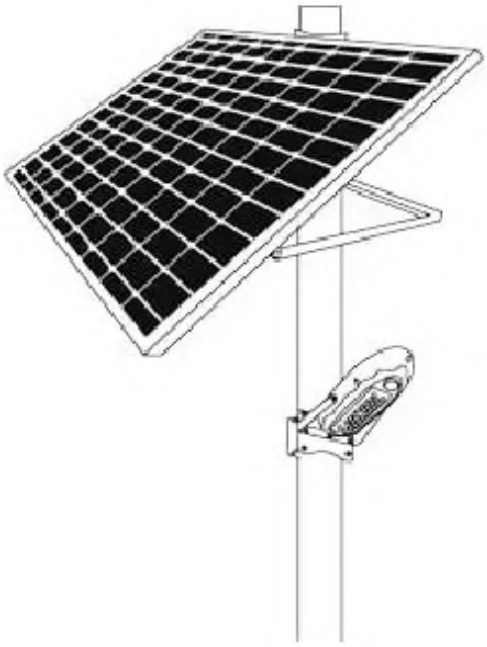
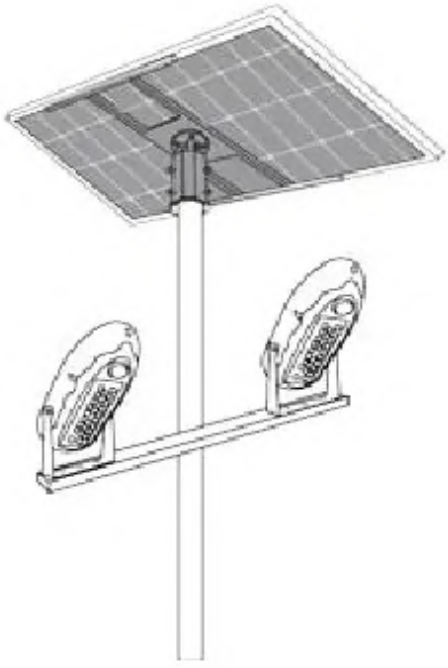
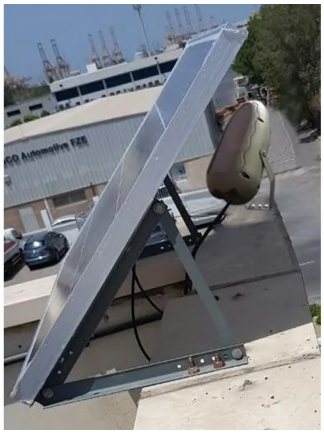
DIFFERENT INSTALLATION METHODS

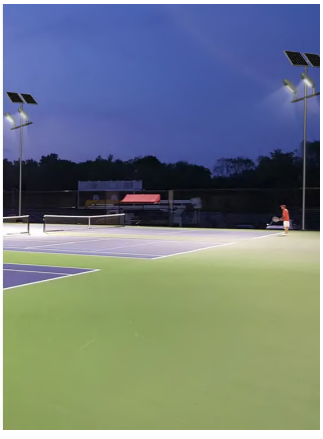












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