



○ Smart Lighting

REFA - T

General Information

Smart Lighting System:

“ Smart solutions for off-grid outdoor lighting.”

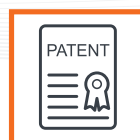
- Smart lighting applications with using different sensors via IoT-compatible electronic board design
- High efficiency LED lighting with different lens and angle options
- Different color options with desired RAL code
- Automatic dimming function
- Zero Carbon Emission

General Features

- Standard configuration has minimum 2 days of autonomy. The duration can be customized tailored to customer needs.
- Control unit of the system is designed as “all-in-one.” LED driver, battery charger and solar panel driver are integrated in one electronic unit.
- Turn on and off hours are adjusted to daylight. If demanded, system can be modified via Bluetooth after installation.
- User can pre-determine 10 different dimming scenarios. Upon customer request and field conditions, annual dimming scenarios can be created on a daily and monthly basis.
- Automatic dimming function is utilized to increase lighting period in the event of insufficient daylight.
- User can connect to system via Bluetooth through mobile application and turn on/off the system and/or change dimming algorithm.
- Manufactured in compliance with CE standards.
- Via IoT-compatible electronic board design, smart lighting applications can be integrated in the system by using different sensors.

Technical Features

- Led driver, mppt solar driver, communication unit and battery charger integrated in one electronic unit (all-in-one).
- on/off, dimming and error reporting functions via android mobile application.
- Lithium batteries with high dod ratio. (2000 deep cycles at 100% depth of discharge).
- Operating under high and low temperature conditions -40 °C / +60°C (optional).
- The system keeps track of status and error log for 24 hours. data logging system stores error and status information retrospectively for 2 years.
- Electronic control unit and luminaire unit have ip65 protection class.
- Luminaires have aluminum case and tempered glass.
- Lighting pole is galvanized and oven-dried. corrosion-resistant special bolts and nuts are used .



REFA-T

10W-30W

REFA-T model, specifically designed for walking trails, parks and gardens, provides secure and smooth illumination at nights as well as in emergency cases such as power cuts, disasters and earthquakes.

System does not require cabling and trenching, also it provides simple plug-in solution with its aesthetic and portable structure

Luminaire options between 1600-4800 lumen and pole heights ranging from 3,5m - 4m are available.



REFA-T

Model	REFA T350	REFA T400
Luminaire	ROAD - asymmetrical 120°	ROAD - asymmetrical 120°
Lumen	4000 lm	4800 lm
Color Temperature	3000 - 6000 K	3000 - 6000 K
Protection Class	IP65	IP65
Battery	Lithium	Lithium
Autonomy	min. 2 days	min. 2 days
Working Temperature	-20°C +60°C	-20°C +60°C
Pole Height	3 m	4 m
Weight	29.1 kg	32.4 kg

IP65

ISO
9001:2015


TSE


CE

Made in
Turkey

✓
RoHS
compliant



 +90 216 335 45 27

 +90 216 335 48 27

 +90 549 686 80 32



Mehmet Akif Mah. Tavukçuyolu Cad.
Ayyıldızlar İnci İş Merkezi No: 134 Kat: 4
Ümraniye / İstanbul



info@fipronet.com



www.fipronet.com