

LED STREET FLOOD LIGHT



Teksav Teknoloji Elektrik Elektronik Makine Sanayi ve Tic A.S.

10016 Sokak No: 20 A.O.S.B. Cigli Izmir Turkey

Tel : +90-232- 328 1141 (PBX)

Fax : +90-232- 328 1147

Doc no : 081027-1

ISO 9001 : 2000 certified

Copyright©2008 All rights are reserved



TEKSAV TEKNOLOJİ

TekSav Teknoloji Elektrik Elektronik Makine San .ve Tic. A.Ş

10016 Sok. No:20 A.O.S.B. - Cigli / Izmir - Turkey

tel:+90-232-3281141

Fax: :+90232-3281147

web site : <http://www.teksav-teknoloji.com>

e-mail : yteder@gmail.com

REVISION SHEET

No	DESCRIPTION	DONE BY	DATE
1	First Publication	Dr.S Akdoruk	Feb. 08

All changes to this document have to be recorded to the revision sheet



INDEX

1.)	GENERAL DESCRIPTION	4
2.)	TECHNICAL SPECIFICATIONS and COMPONENTS	5
2.1	LED PROJECTOR	5
2.2	100W SOLAR Panel	5
2.3	CHARGE REGULATOR	6
2.4	100 AH BATTERY.....	6
2.5	MAINS INVERTER/RECTIFIER	6
2.6	SYSTEM CONTROLLER	6
2.7	SOLAR MODULE HOLDER:	7
3.)	LED LIGHT OUTPUT.....	8



1.) GENERAL DESCRIPTION



- ❖ TEKSAV lighting modules produce very intense light
- ❖ High efficiency ,High cost effectiveness
- ❖ for: residential, commercial, retail, industrial, municipal, government, medical, military, transit, aeronautic/space, and for mission critical industries
- ❖ energy consumption less than 20% and lifespan more than seven times that of conventional streetlights, payback occurs at very stage
- ❖ no longer a need for reflectors
- ❖ Environmentally friendly.
- ❖ Advantages of LED lighting
 - Directional light.no need to light up the sky
 - Long life cycle 70,000 hours.
 - no warm up time
 - High reliability and minimal maintenance
- ❖ Suitable for poles 5-7 meters
- ❖ Optional mains supply



TEKSAV TEKNOLOJİ

TekSav Teknoloji Elektrik Elektronik Makine San .ve Tic. A.Ş

10016 Sok. No:20 A.O.S.B. - Cigli / Izmir - Turkey

tel:+90-232-3281141

Fax: :+90232-3281147

web site : <http://www.teksav-teknoloji.com>

e-mail : yteder@gmail.com

2.) TECHNICAL SPECIFICATIONS AND COMPONENTS

2.1 LED PROJECTOR

Led Color : White/Warm White
Voltage : 12V / 24V DC
Temperature: -30 / +85⁰
Power : 30,40,60,80,100,125 W
Current Limiter: Yes
Life : 70.000 hours
Light Angle : 130 Degree
Protect Class: IP 65
Led : 40W=> 450
60W => 806
Lumen : 2800 - 3000
Turkish made



2.2 100W SOLAR PANEL

Maximum Power (Pm) : 100Wp
Open Circuit Voltage (Voc) : 41.47V
Maximum Voltage (Vmp) : 34.56V
Short Circuit Current (Isc) : 3.5A
Maximum Power Current (Imp) : 3.10A
Ambient temperature : -45C° / +85C°
Tolerance : ±5%
Structure : Monocrystalline
Protection : IP 65
IEC 61215
STC : 1000W/m², 25C°, AM 1,5
Dimensions : 1001 X 1023 X 40 mm
Warranty : 25 year
Weight : 11,5 Kg
German made





TEKSAV TEKNOLOJİ

TekSav Teknoloji Elektrik Elektronik Makine San .ve Tic. A.Ş

10016 Sok. No:20 A.O.S.B. - Cigli / Izmir - Turkey

tel:+90-232-3281141

Fax: :+90232-3281147

web site : <http://www.teksav-teknoloji.com>

e-mail : yteder@gmail.com

2.3 CHARGE REGULATOR

Voltage	: 12V DC
Current	: 10A
Boost Charge	: 14,4V
Equalization Charge	: 14,1V
Floating Charge	: 13,8V
Battery Low Voltage Cut off	:11,5V
Reconnect Voltage	: 12,6V
Self consumption	: 4 mA
Reverse Polarization Protection:	Yes
Size	: 120,2 X 70 mm
SMD Mounted	



2.4 100 AH BATTERY

Power	:12V 100 Ah
Number of Cell	: 6
Weight: 30,5 Kg	
Size	: 32,7 X 17,1 X 23,8 mm
1000-1500cycle Charge/Discharge	
Maintenance Free Dry Type	



2.5 MAINS INVERTER/RECTIFIER

Mains supply	: 220V , 240 V 50 Hz
Tolerance	: +- %20

2.6 SYSTEM CONTROLLER

Overall control of the system
To protect the Regulator, Battery, Fuses and Darkness Sensor.
Electrostatic Paint
Lock with key
Size:40 X 35 X 30 cm



TEKSAV TEKNOLOJİ

TekSav Teknoloji Elektrik Elektronik Makine San .ve Tic. A.Ş

10016 Sok. No:20 A.O.S.B. - Cigli / Izmir - Turkey

tel:+90-232-3281141

Fax: :+90232-3281147

web site : <http://www.teksav-teknoloji.com>

e-mail : yteder@gmail.com

2.7 SOLAR MODULE HOLDER:

- Easy Installation
- Electrostatic Paint
- Paint Color: White or Gray
- Used to Hold Solar Panel
- Angle degree with Horizontal plane 45
- Max.Wind Velocity: 140 km/h



TEKSAV TEKNOLOJİ

TekSav Teknoloji Elektrik Elektronik Makine San .ve Tic. A.Ş

10016 Sok. No:20 A.O.S.B. - Cigli / Izmir - Turkey

tel:+90-232-3281141

Fax: :+90232-3281147

web site : <http://www.teksav-teknoloji.com>

e-mail : yteder@gmail.com

3.) LED LIGHT OUTPUT

Order Code	LED wattage	Light output (lumen)	Equal to High pressure lamp
TEK.160.E-30	30 W	2,100	45W
TEK.160.E-30	40W	2,800	75W
TEK.160.E-30	60W	4,400	125W
TEK.160.E-30	80W	6,000	150w
TEK.160.E-30	100W	7,600	175W
TEK.160.E-30	125W	9,400	200W