



# Penerangan Jalan Umum Tenaga Surya (PJU-TS) Manfaat dan Informasi Produk

# KEUNGGULAN PJU-Tenaga Surya

## RAMAH LINGKUNAN DAN BEBAS DARI POLUSI

Lampu LED ramah lingkungan dan bebas polusi karena tidak mengandung merkuri. Sistem listrik pada PJUTS tidaklah memancarkan gas yang berbahaya seperti misalnya karbondioksida.

## TIDAK PERLU JARINGAN LISTRIK

Tidak perlu membangun jaringan listrik yang harus mengubah infrastruktur dan memakan waktu yang lama.  
Dengan instalasi yang mudah dan cepat PJUTS dapat memberikan penerangan di jalan umum dan membuat para pengguna jalan lebih aman dan nyaman.

## HEMAT ENERGI DAN TIDAK TERBATAS

Energi yang digunakan berasal dari matahari, sumber energi yang tidak akan pernah habis.

## TANPA PERAWATAN

Perawatan tidak rumit, bahkan dapat dikatakan PJUTS ini tanpa perawatan.

## MUDAH DIPINDAHKAN

Lampu PJUTS lebih mudah dipindahkan, karena tidak tergantung kepada jaringan listrik PLN, serta dapat dipindahkan dalam waktu yang singkat.

## UMUR PAKAI LEBIH LAMA

Lampu LED rata-rata mempunyai umur 50.000 jam. Jika digunakan 12 jam sehari maka akan bertahan hingga 11 Tahun.

Sedangkan lampu konvensional rata-rata mempunyai umur 13.000 jam atau setara dengan 3 tahun.

# NILAI EKONOMIS PJU-Tenaga Surya

## Lampu LED Solar Panel

Kriteria	Unit
Lampu LED	40 watt
Penggunaan 12 jam/hari, 365 hari/tahun	4380 jam / tahun
Watt Hour/tahun	140.160 WH
Listrik yang digunakan	140 KWH / tahun
Harga Beli	15.000.000 / unit
Biaya Maintenance 1% dari harga beli	150.000 / tahun

## Lampu konvensional

Kriteria	Unit
Lampu Konvensional	200 watt
Penggunaan 12 jam/hari, 365 hari/tahun	4380 jam / tahun
Watt Hour/tahun	876.000 WH
Listrik yang digunakan	876 KWH / tahun
Tarif Listrik	1.524 / KWH
Tottal Biaya Listrik	1,335.234 / tahun

**HEMAT BIAYA 89%**



**POWERLED<sup>®</sup>  
INDONESIA**

SAVING ENERGY-SAVING COST-GO GREEN

POWER LED a trademark of Premium High Quality LED Lighting, with Patents right National in Indonesia, which belongs to Powered Indonesia. Powered Indonesia was **established in 2009**, a local company which doing Trading and Distribution. Managed by their professional team and keep growing and spreading their business in Indonesia. Powered Indonesia is an Authorized Sole Distributor and Manufacturer's Representative which supply all LED Product with Brand "POWERLED" in Indonesia. Powered Indonesia also expands business line in High-Tech sector, specifically in LED Lighting sector. To support the growth of LED Lighting business line, Powered Indonesia cooperate with a well experienced LED Lighting Factory. With a very solid and wide distribution channel, Powered Indonesia could widely spread in plenty areas of Indonesia, especially in Industrial Sector."

## OUR Clients



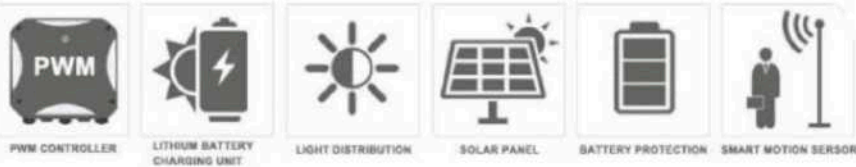
DAYA CIPTA ANUGRAH





## PRODUCT SPECIFICATION

### ALL IN ONE SOLAR STREET LIGHT



Details				Picture	
Power	Specifications				
40WATT	Solar Panel	Max Power	18V/50W (High-efficiency monocrystalline solar panel)		
		Lifespan	25 years		
	Battery	Model	Lithium-iron phosphate 12.8V 45 AH		
		Lifespan	5-8 years		
	LED Chip	Power	40W (Philips Chip 90pcs, Aluminium PCB Plate)		
		Chip Brand	Philips SMD3030		
		Lumen	6000lm		
		Lifespan	50000 hours		
	IP Level	IP66			
	Install Distances	Install Height : 4-6M			
		Install Horizontal Spacing : 15-20M			
	Install Position	Light Pole Branch Diameter, 60-100mm			
	Light Body Material	Aluminium Alloy			
	Charging Time	6 hours of effectively Sun Light			
Working Time	Light 10 to 12 hours every day, sustainable 3-7 rainy day				
Switching Mode	Time Control + Light Sensor Control + Motion Sensor Control				
Certification	CE, ROHS				
Size	Product Size : L785*W370*H90mm				
	Packing Size : 85*41*12.5cm 1 pc / carton				
Weight	Net Weight : 9.5kgs				
	Gross Weight : 10.5kgs				
Warranty	3 Years Warranty				

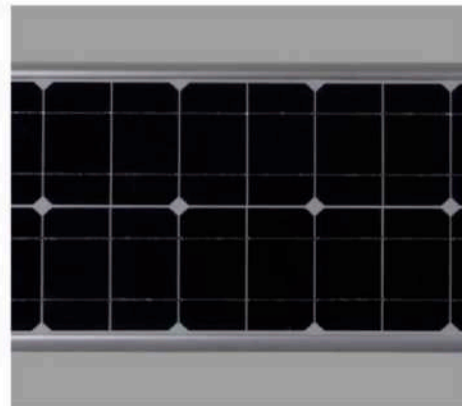
## PRODUCT DETAILS

### PRODUCT SHOWING



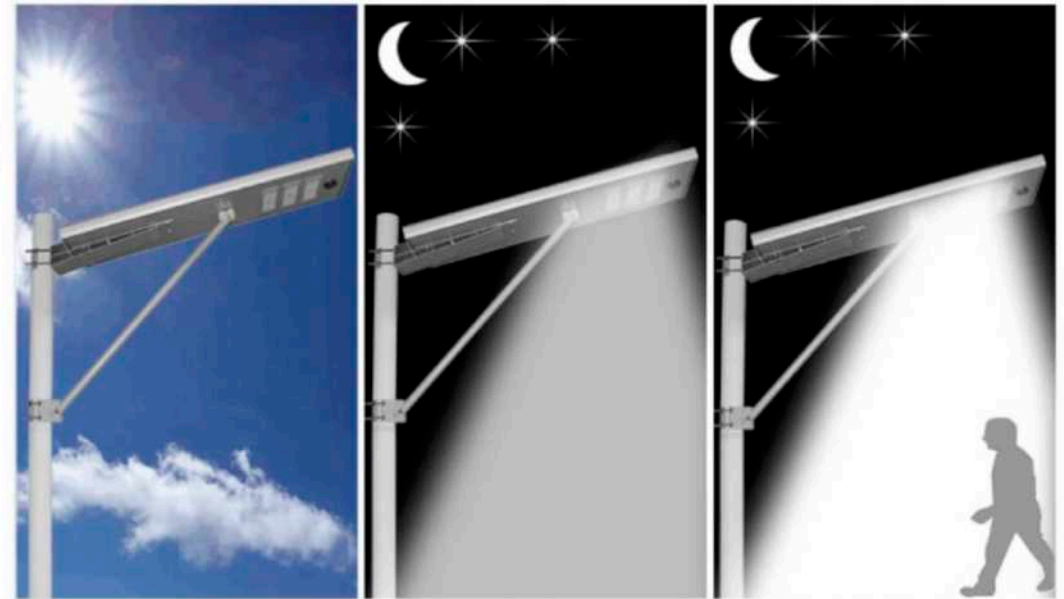
### SOLAR PANELS

Highly transparent high-quality tempered glass, a unique process to make the components beautiful and strong anti-snow, easy to install.



### SENSORS

Infrared detection controller, the use of infrared detection method to control the load switch.



Sun charging in daytime

When people leave  
50% brightness

When people close  
100% brightness



# WARRANTY

## Limited Warranty

POWERLED INDONESIA is an Authorized Sole Distributor and Manufacturer's Representative which supply all LED product "POWERLED" in Indonesia. POWERLED provides the limited warranty to all costumers who purchase POWERLED products in Indonesia. All warranty periods depends on the sales contract which agreed by both parties.

## Terms & Conditions

- If any product covered by this limited warranty is returned by Customer because of failed product of defective product, POWERLED will replace or repair the product. If POWERLED's part is not available or has been discontinued, POWERLED will replace the product with a comparable product (that can show small deviations in design and product specification)
- Distributor POWERLED or Authorized Dealers have right to replace, repair the products on behalf of POWERLED in any matter
- The limited warranty will apply when the product has been properly wired, installed and operated within the electrical values, normal use, operating range, environmental conditions provided in the specification, application guidelines, IEC standards, or any other document enclosed with the product. If the product is found to be defective or not accodance with product's specification. Customer must notify POWERLED in writing.
- Where a warranty claim is justified, there will be no charge for this customer (Except the installation cost).

## Warranty Period

- The standard warranty period is valid for 2 (two ) years from the date of invoice.
- In case of repair or replacement of the product after approved claim, The remainder of the original warranty period applicable (Warranty period will not be extended or customized of changed )
- The warranty period depends on demand of customer

## Warranty Claim

- Make sure the defective product is still covered by warranty
- The Purchase Invoice is available for inspection by POWERLED
- Record List of operating history is available for inspection by POWERLED
- Our Distributor or Authorized Dealer will have access to handle the defective products
- Give detailed problem description of the defective or failed product
- Installation cost is not covered under this warranty
- POWERLED will pay for freight expenses if a warranty claim is justified. POWERLED may change the freight expenses to customer for returned product that are not found to be defective.
- Warranty claims have to be reported and returned to the customer soon after replacement or repairmen.

## SURAT KETERANGAN

No : 2283 /PIK-VI/FKL/2021

Tanggal : 09 Juni 2021

PT SUCOFINDO (Persero), Strategis Bisnis Unit (SBU) Perdagangan, Industri dan Kelautan Bagian Fasilitas Kandungan Lokal, menerangkan bahwa :

Nama Perusahaan : **PT KHARISMA SINARLINDO PERSADA**  
 NPWP : 86.983.102.4-032.000  
 Alamat : Ruko Kosambi Megah No.25 Kec. Kosambi Kab.Tangerang

Sedang dilakukan Verifikasi Capaian Tingkat Komponen Dalam Negeri (TKDN) terhadap 3 (tiga) jenis produk dengan rincian sebagai berikut :

NO	JENIS PRODUK	TIPE PRODUK	SPESIFIKASI
1	Lampu Jalan	PSL	Driver : Minwell Mata Chip : Cree
2	Lampu Jalan	PZL	Driver : Minwell Mata Chip : Cree
3	Lampu Sorot	PFX	Driver : Minwell Mata Chip : Cree

Surat keterangan ini berlaku sampai dengan diterbitkannya sertifikat tanda sah capaian TKDN atas produk yang diverifikasi tersebut.

Demikian surat keterangan ini kami sampaikan untuk diketahui dan digunakan sebagaimana mestinya.

**PT SUCOFINDO (Persero)**  
**SBU Perdagangan, Industri dan Kelautan**  
 Bagian Fasilitas Kandungan Lokal



**Ermawan Agus Sudaryanto**  
 Pgs.Kepala Bagian

Member of IFIA

A TESTING, INSPECTION  
& CERTIFICATION COMPANY

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BRANCH AND SERVICE OFFICES  
 ALL OVER INDONESIA  
[www.sucofindo.co.id](http://www.sucofindo.co.id)

## PRODUCT PACKAGING





# Tiang Lampu PT. HeloRI



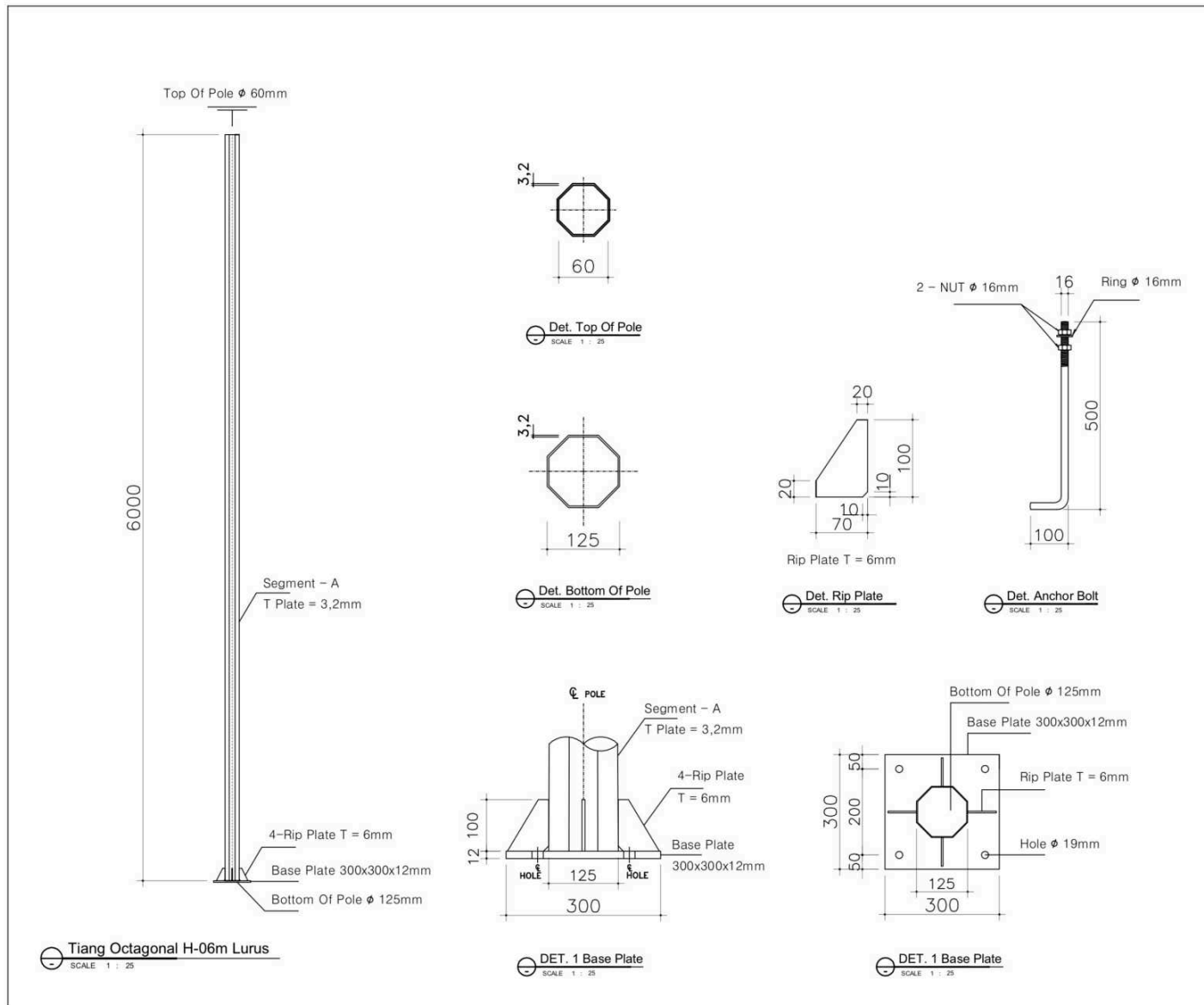
Kami telah memberikan dukungan kepada berbagai perusahaan kontraktor sipil dan listrik – baik Kontraktor BUMN dan swasta – maupun men-supply langsung kepada end-user.

Brand produk Tiang PJU Oktagonal, Guard Rail, High Mast Automatic Lowering dan Tower Monopole Deltapole™ telah dikenal luas dan digunakan di hampir seluruh wilayah Indonesia baik pada project Pemda, Swasta dan Retail.

Klien kami adalah sbb :

1. Adhi Karya (Persero) Tbk.
2. Bangun Cipta Kontraktor
3. Bukaka Teknik Utama
4. Elnusa
5. Hikapole
6. Holcim Indonesia Tbk.
7. Hutama Karya (Persero)
8. Kereta Api Indonesia (Persero)
9. Kotaminyak Internusa
10. Nindya Karya (Persero)
11. PP (Persero) Tbk.
12. Sentul City Tbk.
13. Summarecon Agung Tbk.
14. Waagner Biro Indonesia
15. Wijaya Karya (Persero) Tbk.
16. Waskita Karya (Persero) Tbk.
17. Tower Bersama Infrastructure Tbk.
18. DII.

# SPEK TIANG LAMPU JALAN : 6 meter octagonal Galvanis



## KETERANGAN

### STANDART MUTU :

- ISO 9001 : 2008
- Plate Baja : ST 41 / SS 400
- Welding : Las Listrik
- Finishing Hot Dip Galvanize
- 1 Segment System
- Segment A = 6000mm
- Bottom Of Pole φ 125mm
- Top Of Pole φ 60mm
- Base Plate 300x300x12mm

### PRODUCTION



PT. HELORI GRAHASARANA

### JOB TITLE :

TECHNICAL SPECIFICATION

### CLIENT :

### PRODUCT :

TIANG OCTAGONAL  
H - 06M LURUS

### DRAWING TITLE :

DATE	CLIENT APPROVAL	APPROVAL
		Risawan W.
CAD	DESIGN	CHECK
Auto CAD 2009	Zulianto	W. Ari
DRAWING NO : HELORI-H06-OCT	SHEET NO : SHEET 1 OF 1	



**TERIMA KASIH**



**ECO  
ENERGY  
CONSULTING**

**Contact : Suhendra  
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Email : [suhu.ren@gmail.com](mailto:suhu.ren@gmail.com)**

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Jakarta Selatan 12980**