

# CATALOGUE

Unit Towerlamp  
PT Orecon Sadanus Perkasa





**9 METERS**

Height up to



**100 L**

Diesel



**224.000 LUMENS**

Maximum



**14" SUNRAYSIA RIM**

Regular Tires



IP 54

**LED LIGHT**



IP 44

**OUT DOOR**

Socket Electric



**HOT DIP GALVANIZED**

Mast for more extended service time

**Life Span**

LED Light  $\geq$  5000 hrs

**Electric & Manual**

Integrated Lifting System

**Powered By**



**Generator By**



## Application



Construction Sites



Outdoor Sport



Oil Field & Mining



Emergency Services



Road Bridge Repairing Works

**i9T1600 LED**  
**Mobile Light Tower**

**1 YEAR WARRANTY**



# TECHNICAL SPECIFICATION

## I9T1600 LED

Basic Model		I9T1600
Dimensions	Length	2420mm
	Width	1360mm
	Height	3050 mm
	Loading container Height	2600 mm
	Full extending Height	9m
	Genset power (1500/1800rpm-KW)	6.5/7.5
	Gross weight	890kg
Engine	Model	D1105 (Kubota)
	Speed(rpm)	1500/1800
	Number of cylinders	3
	Engine characters	4 cycles, Water-cooled diesel
	Combustion System	Direct Injection
	Engine aspiration	Naturally aspirated
	Emission level (60Hz)	Regular
Alternator	Model	Mecc alte LT3N-130/4
	Frequency (HZ)	50/60
	Rating voltage (50Hz)	220/110V (50HZ), 240/120 (60HZ)
	Alternator insulation	Class H
	Alternator protection grade	IP23
Mast & Lights	Type of Lights	LED Light
	Light's fixture	Rectangle
	Luminous flux (LM)	56000 LM/light
	Number & power of lights	4 x 400W
	Number of mast sections	6
	Mast extension	Electrical (Vertical, 3500 lb winch)
	Mast rotation	359° Manual rotation with self locking.
Trailer	Light tilt	Manually
	Trailer suspension & axle with brakes	Leaf springs axle without brake
	Tow bar	A style frame with a supporting jack
	Stabilizing legs & number	4 pcs drawbar with manual jacks
	Wheel's rim size & tires	14" Sunraysia rim with regular tires
	Tow adapter	2" ball coupler or 3" pintle ring
	Tail lights	Complex tail lights
Additional Features	Max towing speed	80km/h
	Fuel tank Type	Iron fuel tank
	Fuel tank capacity	100 liters
	Operating hours with full lights load	142 hours
	Generator starting type or controler	HGM1790 (SMARTGEN)
	Power outlet sockets	1 unit of Euro standard 16A/220V single phase power outlet socket
	Max. against wind when fully extended	17.5m/s
	Acoustic pressure	72dB(A) at 7 meters away

Fuel Consumption for LIGHT TOWER	
Load	19T1600 (6kW)
25%	0.7 L/H
50%	1.25 L/H
100%	2.38 L/H
Only Light On	0.75 L/H

**PT ORECON SADANUS PERKASA**

Ruko Food Plaza Blok 3 No. 10, Cikeas Udik, Gn. Putri, Jawa Barat. Telp +62 895-4006-64018



# HOUSE OF LIGHTING TOWER



Kubota

meccalte

SmartGen



PT ORECON SADANUS PERKASA

Ruko Food Plaza Blok 3 No. 10, Cikeas Udik, Gn. Putri, Jawa Barat. Telp +62 895-4006-64018



# Lighting Tower Some Project



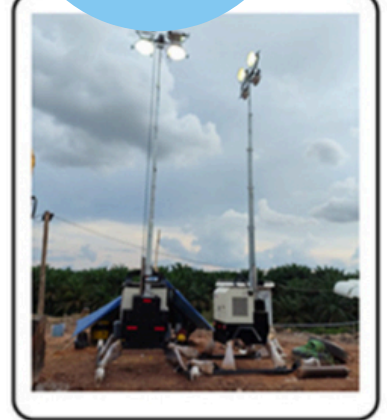
South Kalimantan



East Kalimantan



East Kalimantan



South Sumatra



South Kalimantan



South Sulawesi



South Sumatra



East Kalimantan



South Kalimantan



West Kalimantan



East Kalimantan

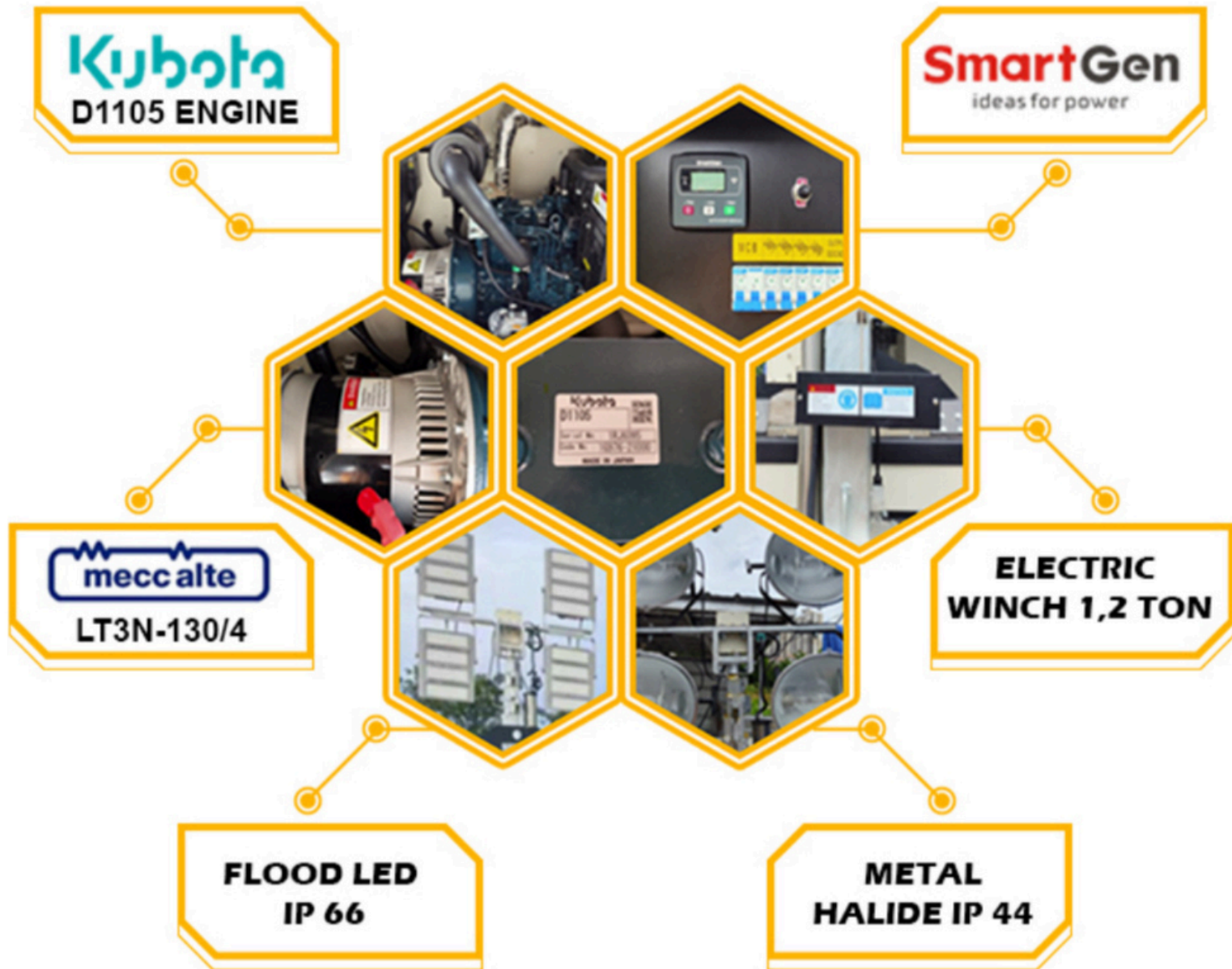


Central Kalimantan

**PT ORECON SADANUS PERKASA**

Ruko Food Plaza Blok 3 No. 10, Cikeas Udik, Gn. Putri, Jawa Barat. Telp +62 895-4006-64018

# Main Component



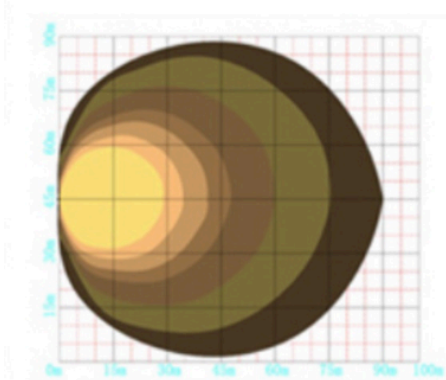
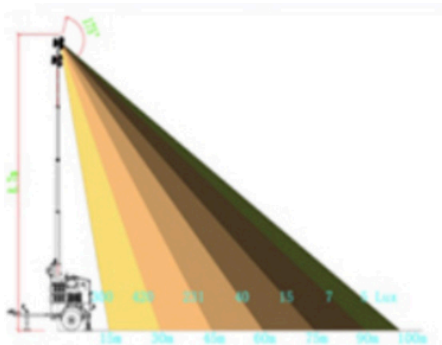
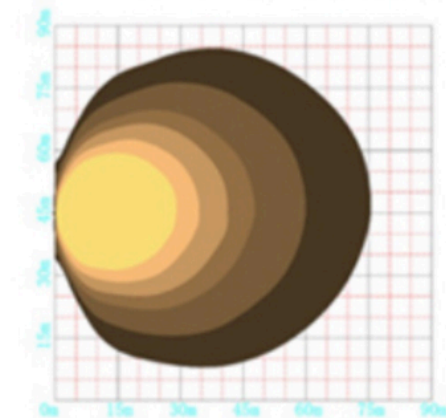
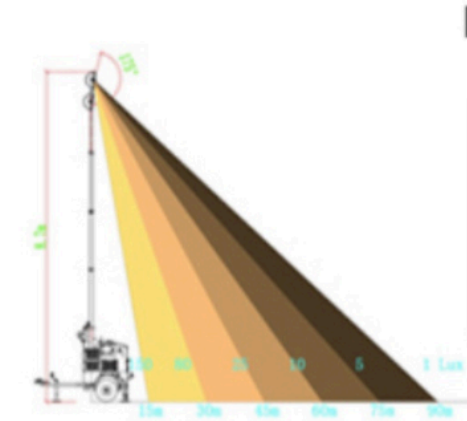
**-Lighting rendering map and testing-**

**PT ORECON SADANUS PERKASA**

Ruko Food Plaza Blok 3 No. 10, Cikeas Udik, Gn. Putri, Jawa Barat. Telp +62 895-4006-64018



# Main Component



## METAL HALIDE



## FLOOD LED



## Testing Lux at Customer

No	Identifikasi Masalah	Dokumentasi Awal	Tindakan perbaikan
1	Inspeksi Pencahayaannya TLC 87		
	Sorot Lampu 1		
	Jarak $\pm 50m$ Hasil pengukuran ada di angka 23,9 Lux		Hasil pengukuran di dapatkan intensitas pencahayaan masih berada di atas nilai ambang batas standar pencahayaan
	Sorot Lampu 2		
	Jarak $\pm 50m$ Hasil pengukuran ada di angka 23,9 Lux		Hasil pengukuran di dapatkan intensitas pencahayaan masih berada di atas nilai ambang batas standar pencahayaan



# SOLAR



# LIGHT TOWER

PT ORECON SADANUS PERKASA

# TECHNICAL SPECIFICATION

Category	Description	4EVS600-GS
Dimension	Length x Width x Height (mm)	1750 x 1840 x 2315
	Full extending Height	7.5m
	Weight	1020kg
Mast & Lights	Type of Lights & Fixture	LED Light - Rectangle
	Number & power lights	4 x 150W
	Mast Voltage	DC48V
	Mast Type	Telescopic
	Luminous flux	60000 LM
	Number & mast extension	Electrical - Vertical (Manual Available)
	Mast rotation	359° Manual rotation with self-locking
Battery	Type & Quantity	GFM VRLA Gel
	Model	200AH 12V
	Maximum Power	2400W
	Voltage at Pmax	38.9 V
	Current at Pmax	15.4 A
	Fuse Rating	20A
Solar Panel	Maximum System Voltage	DC1500V
	Power Tolerance	±3%
	Power Sorting	0~+5W
	PV Module Rating Cell Temp	45°C
	PV Module classification	Class II
	Length x Width x Height (mm)	1708 x 833 x 30
	Quantity	4 pcs
Time	Extending type	Sliding
	Lighting Discharge Time	>16 hrs
	Lighting Discharge Time	≥10 hrs
	Charging Cycle Time	24 hrs
Trailer	Trailer suspension & axle with brakes	Leaf Springs and Disc Brakes with manual hand brake
	Tow bar	Retractable & adjustable supporting wheel tow bar
	Stabilizing legs & number	4 pcs Manual Pull Out with Adjustable Legs
Additional Features	Fuel Tank Type & Capacity	Steel - 85ters
	Max. against wind when fully extended	18m/s
	Acoustic pressure	75dB(A) at 7 meters away
	Charging from rating power (Kubota engine 2482+DC48V alternator, 3000rpm)	5KW



**4EVS600-GS**

**PT ORECON SADANUS PERKASA**

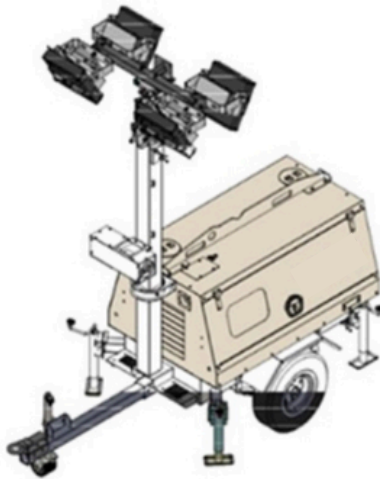
Ruko Food Plaza Blok 3 No. 10, Cikeas Udik, Gn. Putri, Jawa Barat. Telp +62 895-4006-64018

# TECHNICAL SPECIFICATION

Category	Description	i9T4000	EMVM4000	MHM4000
Dimensions	Length x Width x Height (mm)	2420 x 1360 x 2600	2980 x 1330 x 2610	4800 x 1330 x 1800
	Full extending Height	9m	9m	9m
	Output (KVA / 1500/1800rpm-KW.)	6.5 / 7.5	-	-
	Gross weight	850kg	720kg	720kg
	Model	D1105 (Kubota Japan)	D1105 (Kubota Japan)	D1105 (Kubota Japan)
Engine	Power (rpm)	1500	1500/1800	1500/1800
	Number of cylinders	3	3	3
	Cooling system	4 cycles, Water-cooled diesel	4 cycles, Water-cooled diesel	4 cycles, Water-cooled diesel
	Combustion System	Direct injection	Direct injection	Direct injection
	Generator starting type or controller	HGM3190 (SMARTGEN)	HGM410N (SMARTGEN)	HGM410N (SMARTGEN)
Alternator	Model	IGW125E/12.5KVA/10/4	TD220 (2.2KVA) DGPT	TD220 (2.2KVA) DGPT
	Frequency (HZ)	50/60	50	50
	Rating voltage (50HZ)	220/110V (50HZ), 400/120 (60HZ) AC	230V AC	230V AC
	Alternator insulation	Class H	Class H	Class H
	Alternator protection grade	IP23	IP23	IP23
Mast & Lights	Type of Lights & Fixture	Regular metal halide - Oval	Regular metal halide - Oval	Regular metal halide - Oval
	Number of fixtures	4 x 1000W	4 x 1000W	4 x 1000W
	Number & power of lights	4 x 1000W	4 x 1000W	4 x 1000W
	Mast extension	Electrical / Vertical (Manual Available)	Electrical / Vertical (Manual Available)	Manual
	Mast rotation	359° Manual rotation with self-lock	359° Manual rotation with self-lock	359° Manual rotation with self-lock
Trailer	Trailer suspension & axle with brakes	Leaf springs axle without brake	Leaf springs axle without brake	Leaf springs axle without brake
	Tow bar	A style frame with a supporting jack	A style frame with a supporting jack	A style frame with a supporting jack
	Stabilizing legs & number	4 pcs drawbar with manual lock	5 pcs drawbar with manual lock	5 pcs drawbar with manual lock
Additional Features	Fuel tank type & capacity	Iron fuel tank - 100 liters	Iron fuel tank - 100 liters	Iron fuel tank - 110 liters
	Operating hours with full lights load	62 Hours	62 Hours	62 Hours
	Power output sockets	1 single phase outlet socket	1 single phase outlet socket	1 single phase outlet socket
	Max. against wind when fully extended	17.5m/s	17.5m/s	17.5m/s
	Acoustic pressure	72dB(A) at 7 meters away	70dB(A) at 7 meters away	70dB(A) at 7 meters away



**i9T4000**



**EMVM4000**

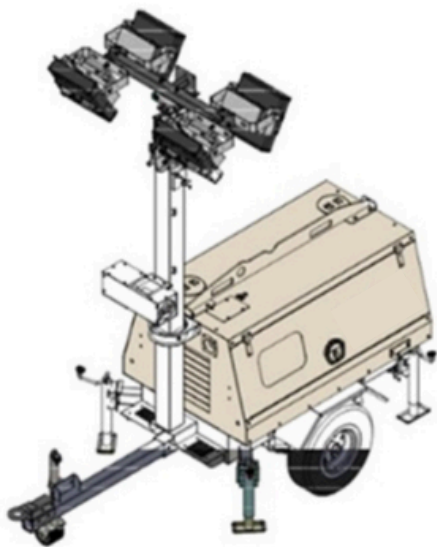


**MHM4000**



# TECHNICAL SPECIFICATION

Category	Description	EMVL1600	i9T1600	i9T2000
Dimensions	Length x Width x Height (mm)	2980 x 1330 x 2610	2420 x 1360 x 3050	2420 x 1360 x 3050
	Full extending Height	9m	9m	9m
	Output (KVA / 1500/1800rpm-KW.)	-	6.5 / 7.5	-
	Gross weight	730kg	890kg	892kg
	Model	D1105 (Kubota Japan)	D1105 (Kubota Japan)	D1105 (Kubota Japan)
	Speed (rpm)	1500/1800	1500	1500/1800
Engine	Number of cylinders	3	3	3
	Cooling system	4 cycles, Water-cooled diesel	4 cycles, Water-cooled diesel	4 cycles, Water-cooled diesel
	Combustion System	Direct injection	Direct injection	Direct injection
	Generator starting type or controller	HGM410N (SMARTGEN)	HGM3190 (SMARTGEN)	HGM3190 (SMARTGEN)
	Model	Mecc alte LT3N-130/4	Mecc alte LT3N-130/4	Mecc alte LT3N-130/4
	Frequency (HZ)	50	50/60	50/60
Alternator	Rating voltage (50HZ)	230V AC	220/110V (50HZ), 240/120 (60HZ) AC	220/110V (50HZ), 240/120 (60HZ) AC
	Alternator insulation	Class H	Class H	Class H
	Alternator protection grade	IP23	IP23	IP23
Mast & Lights	Type of Light & Fixture	LED Light - Rectangle	LED Light - Rectangle	LED Light - Rectangle
	Luminous Flux (LM)	56000 LM/light	56000 LM/light	80000 LM/light
	Number & power of lights	4 x 350W	4 x 350W	4 x 500W
	Number & Mast extension	Electrical - Vertical (Manual Available)	Electrical - Vertical (Manual Available)	Electrical - Vertical (Manual Available)
	Mast rotation	359° Manual rotation with self-locking	359° Manual rotation with self-locking	359° Manual rotation with self-locking
Trailer	Trailer suspension & axle with brakes	Leaf springs axle without brake	Leaf springs axle without brake	Leaf springs axle without brake
	Tow bar	A style frame with a supporting jack	A style frame with a supporting jack	A style frame with a supporting jack
	Stabilizing legs & number	5 pcs drawbar with manual jacks	4 pcs drawbar with manual jacks	4 pcs drawbar with manual jacks
Additional Features	Fuel tank type & capacity	Iron fuel tank - 110 liters	Iron fuel tank - 100 liters	Iron fuel tank - 100 liters
	Operating hours with full lights load	62 Hours	120 Hours	96 Hours
	Power output sockets	1 single phase outlet socket	1 single phase outlet socket	1 single phase outlet socket
	Max. against wind when fully extended	17.5m/s	17.5m/s	17.5m/s
	Acoustic pressure	70dB(A) at 7 meters away	72dB(A) at 7 meters away	72dB(A) at 7 meters away



**EMVL1600**



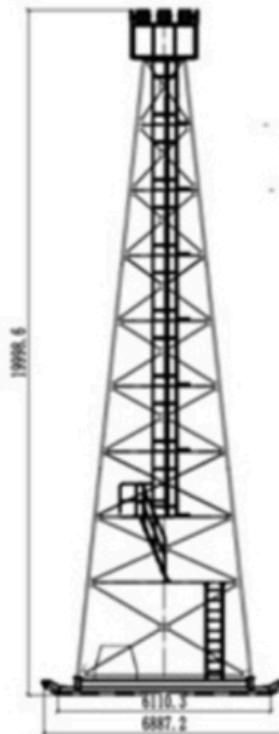
**i9T1600 & i9T2000**

**PT ORECON SADANUS PERKASA**

Ruko Food Plaza Blok 3 No. 10, Cikeas Udik, Gn. Putri, Jawa Barat. Telp +62 895-4006-64018

# TECHNICAL SPECIFICATION

Category	Description	SWT12-4800-20
Dimensions	Length x Width (mm)	7050 x 2300
	Full extending Height	20 m (Contains a simple ladder)
	Weight	TBD
Engine	Model	1105-BG (Kubota Japan)
	Speed (rpm)	1500 RPM
	Number of cylinders	3
	Engine characters	4 cycles, Water-cooled diesel
Alternator	Model	SOL1-J31 (Stanford)
	Rating voltage (50HZ)	AC 230V
	Alternator protection grade	IP23
Mast & Lights	Frequency (HZ)	50HZ
	Mast & Lights	LED
	Number & power lights	12 & 400W (IP66)
	Lamp Voltage	AC 230V
	Light pole type	Triangular column
	Luminous flux (LM)	60000 LM/light
	Connection style of mast	Bolted splice
	Lights layout	Hexagonal distribution, symmetrical up and down
Additional Features	Fuel tank type & capacity	Iron fuel tank - 1000 liters
	Genet charging runtime	430 hours
	Max. against wind when fully extended	18 m/s
	Acoustic pressure	75dB(A) at 7 meters away



## SWT12-4800-20

**PT ORECON SADANUS PERKASA**

Ruko Food Plaza Blok 3 No. 10, Cikeas Udik, Gn. Putri, Jawa Barat. Telp +62 895-4006-64018

# PRICE LIST

PT ORECON SADANUS PERKASA

Description	Model	Remarks	Price
Lighting Tower Automatic (Lifting Electrical and Manual)	I9T4000	MH 4 X 1000 Watt	Rp 195.000.000
	I9T1600	LED 4 X 400 Watt	Rp 205.000.000
	I9T2000	LED 4 X 500 Watt	Rp 210.000.000

## A. Powered by:

- ✓ Engine kubota original JAPAN
- ✓ Generator meccalte original ITALY
- ✓ Controller smartgen

## B. Support by:

- ✓ Warranty one year- unlimited hour meters
- ✓ Support by certified engineers
- ✓ Ability of spare parts 100%
- ✓ Low cost maintenance
- ✓ Low fuel consumption
- ✓ Lifetime and strong durability



**PT ORECON SADANUS PERKASA**

Ruko Food Plaza Blok 3 No. 10, Cikeas Udik, Gn. Putri, Jawa Barat. Telp +62 895-4006-64018