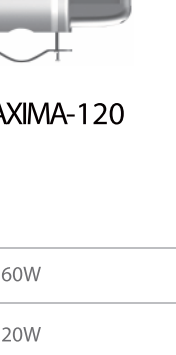
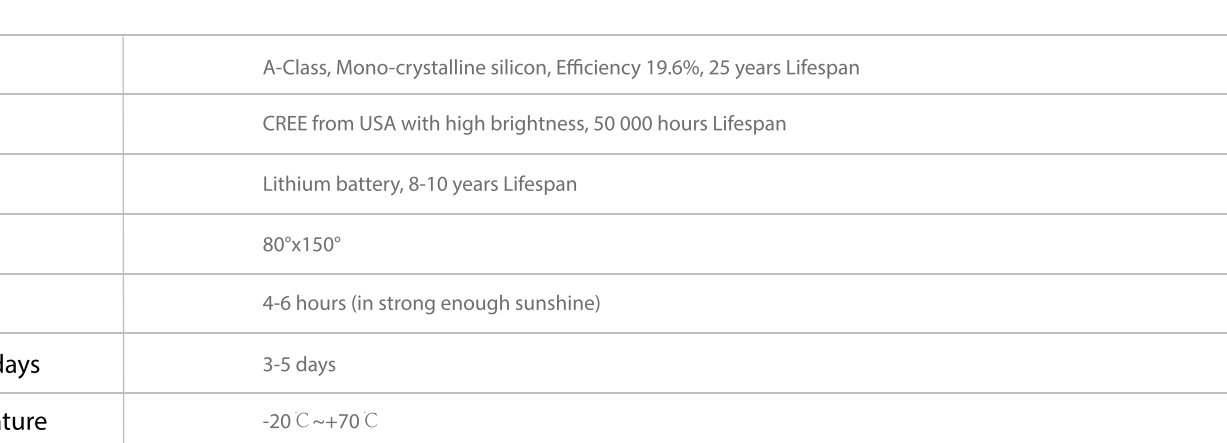
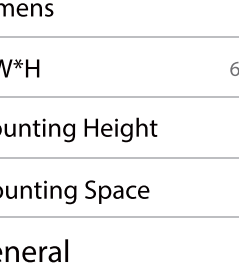




Maxima
IN THE BEAUTIFUL PALM ISLAND



Specification



Parameter	ML-MAXIMA-40	ML-MAXIMA-64	ML-MAXIMA-100	ML-MAXIMA-120
Solar Panel Power	60W	80W	140W	160W
Max LED Power	40W	64W	100W	120W
Battery Capacity	18Ah*12.8V	24Ah*12.8V	39Ah*12.8V	48Ah*12.8V
Lumens	6400lm	9600lm	16000lm	19200lm
L*W*H	650*550*63mm	950*550*63mm	1330*550*63mm	1610*550*63mm
Mounting Height	4-6m	6-8m	7-9m	9-12m
Mounting Space	15-20m	20-25m	25-30m	30-35m

General	
Solar Panel	A-Class, Mono-crystalline silicon, Efficiency 19.6%, 25 years Lifespan
LED Chip	CREE from USA with high brightness, 50 000 hours Lifespan
Battery	Lithium battery, 8-10 years Lifespan
Viewing Angle	80°x150°
Charge Time	4-6 hours (in strong enough sunshine)
Back up Raining days	3-5 days
Working Temperature	-20 C ~+70 C
Colour Temperature	5000k
Lamps Material	All Die-Casting Aluminium Alloy
Certificate	CE / ROHS / IP65
warranty period	3 years



Advantages (MAXIMA VS Traditional ALL IN ONE)



- Solar panel could rise up and fold, which is better for solar panel face the sun direction in both side of road.
- Good heat dissipation: Separated solar panels can shade lamp body, they will not conduct heat to each other, makes the lamp body cool, enlarge lifespan and efficiency of battery and LED source.
- Easier installation-no power required, no cables required, 2 mounting step.
- Micro-computer controlled-combine light control system and time control system perfectly, ensure whole system more energy-efficient.
- Extreme light efficiency reach 180lm/w, at same illumination, lower watt available.
- Low cost-Compared with traditional solar led lights, much lower cost, easy to transport No Hg, Pb or other hazardous materials, no radiation, human safety.



Advantages -Material



LED Chip

Light Efficiency: 160lm/w for complete Lamp, 210lm/s for single LED Chip Brightness decay in 5 years: More than 80% Brightness Remained CRI: >70 Viewing Angle: 150° * 80° (use large viewing angle optical lens)	Light Efficiency: 110lm/w for entire Lamp, 160lm/s for single LED Chip Brightness Decay in 5 years: Only 20% brightness remained CRI: <70 Viewing Angle: 120° * 60° (use common optical lens)
--	--

Solar Panel

Conversion efficiency: >19.6% PET Board, Double-sided anti-corrosion Power Decay in 10 years: 90% Power rate remained High strength Tempered glass, Anti-icing, Anti-Sandstorm	Conversion efficiency: 16-17% Corrosive, easy crack Power Decay in 10 years: 20% Power rate remained Not Strong
---	--

Hardware

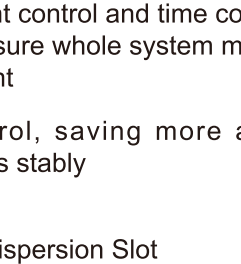
High quality All Die-cast Aluminum Alloy stronge, corrosion resistance in seaside and desert	Normal Iron, easy corrosion and break
---	---------------------------------------

Battery

Type LiFePO4 Lithium Ternary Lithium (Li-Ion) Lead-Acid	Charge and Discharge 2000 times 800 times 500 times	Price High 1/2 of LiFePO4 1/3 of LiFePO4	Advantage and Disadvantage Stable, High Capacity May exposure in high temperature Stable, but Heavy, low conversion
--	--	---	--

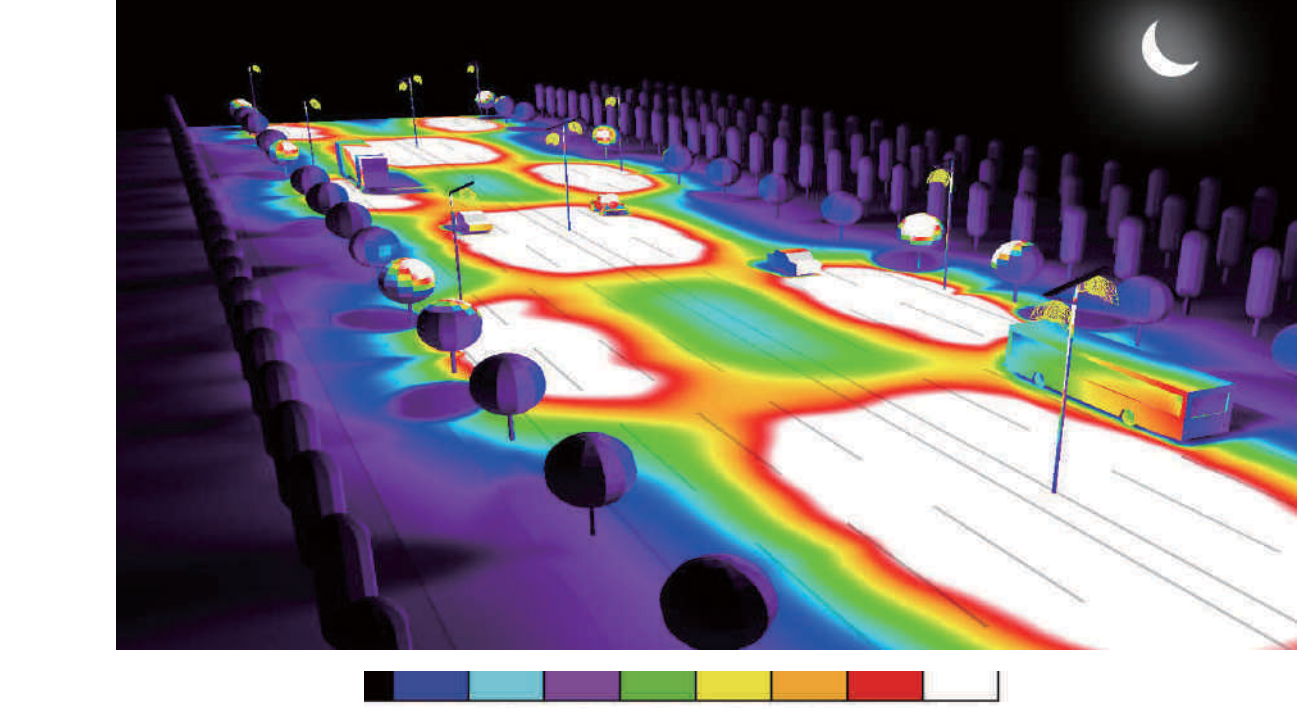


Details:

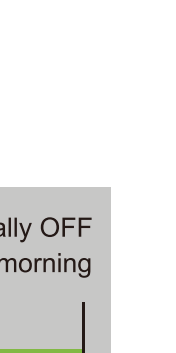
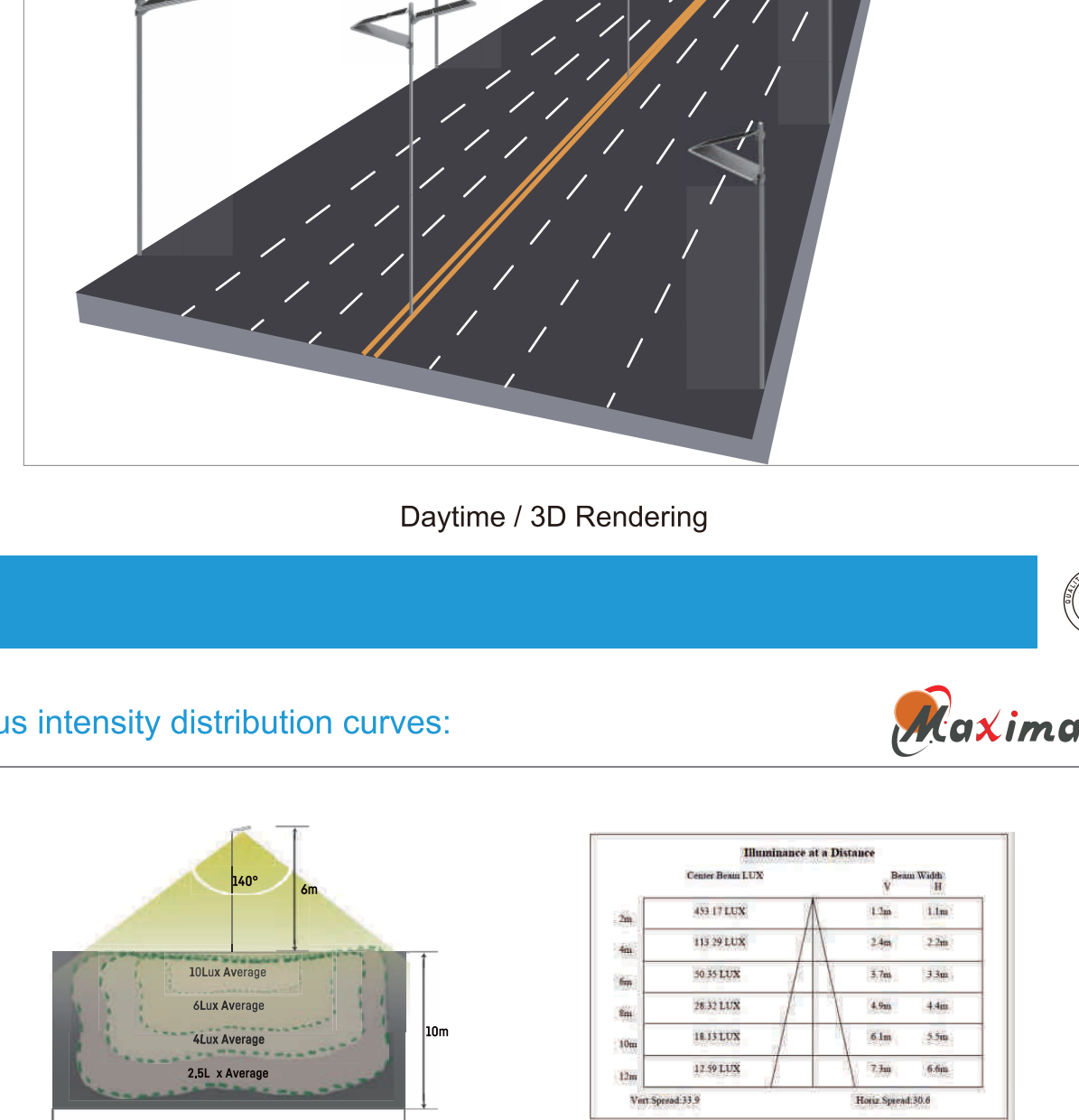


<p>Sunpower Solar Panel</p> <ul style="list-style-type: none"> 19.6% photoelectric conversion efficiency Tempered glass cover 20-25 years lifetime 	<p>High lumen led chip</p> <ul style="list-style-type: none"> 45mil led chip, 160lm/w ≥ 80 000hrs lifetime ≥70Ra CRI 	<p>Smart Controller</p> <ul style="list-style-type: none"> unique design Combine light control and time control perfectly, ensure whole system more energy efficient Smart control, saving more and system works stably
<p>LiFePO4 Battery</p> <ul style="list-style-type: none"> High capacity No pollution and stable 5-8 year s lifetime e, ≥20 00 times charge & discharge High temperature resistance 	<p>High quality body</p> <ul style="list-style-type: none"> patent design Aluminum alloy, solid and firm Zinc plated, anti-rust corrosion Improve the thermal dispersion 	<p>Thermal dispersion Slot</p> <ul style="list-style-type: none"> patent design Improved thermal dispersion efficiency with 20% patent design

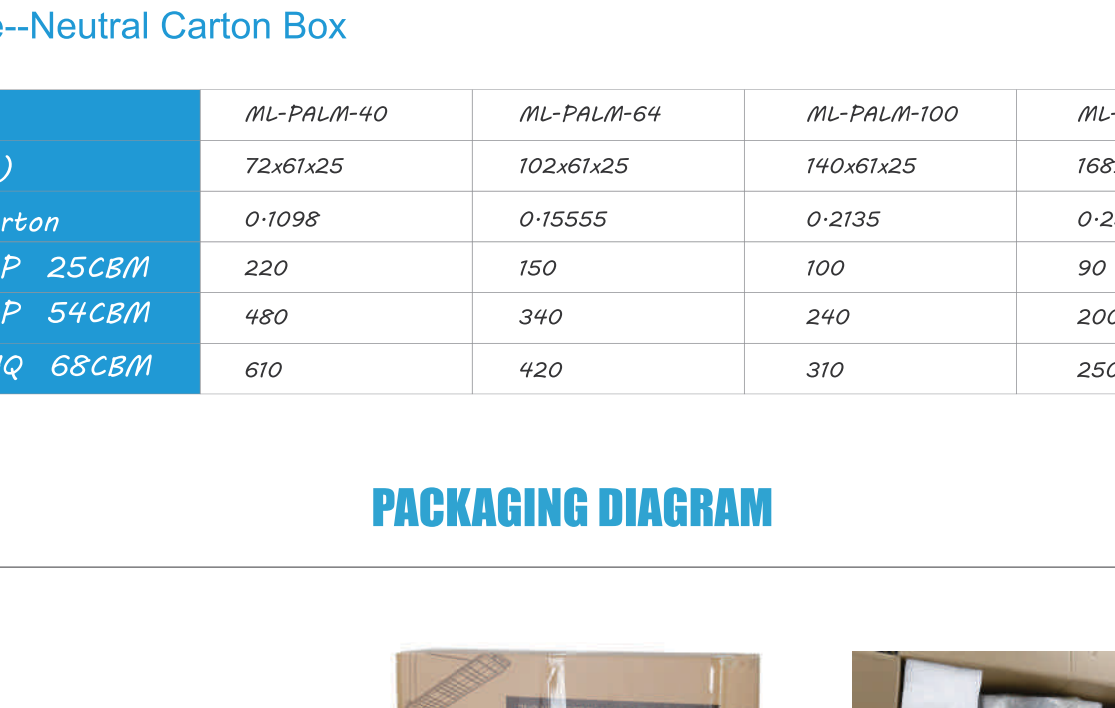
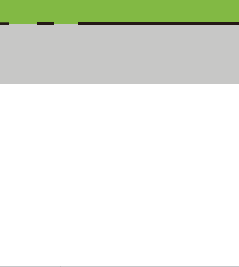
3D Explosive Photo



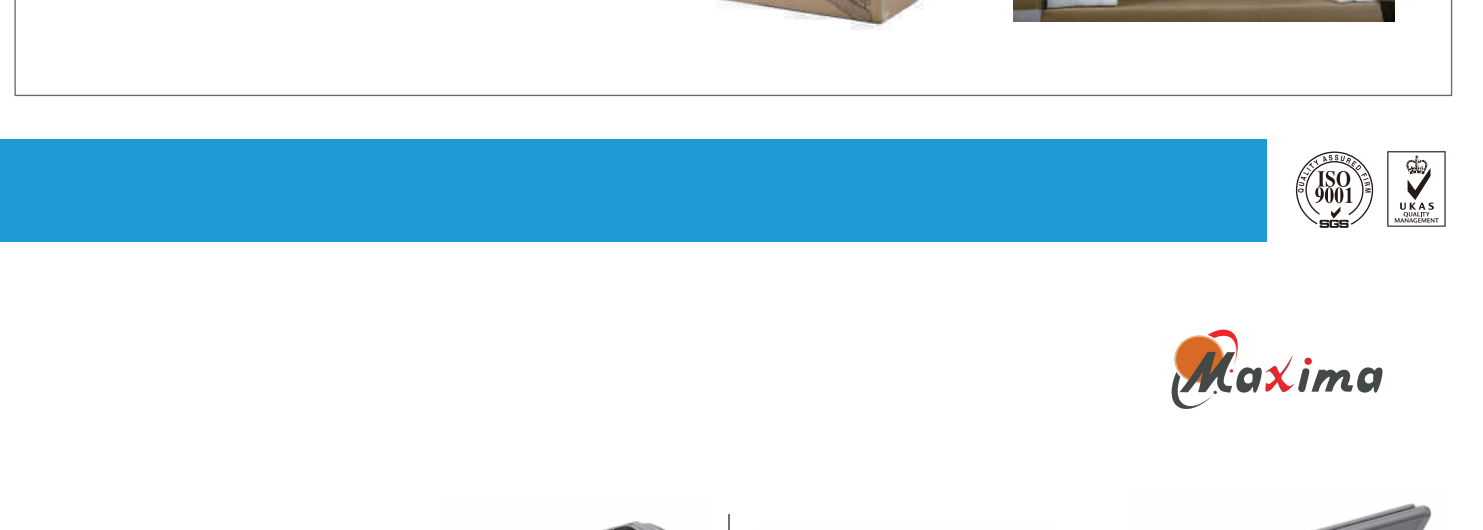
3D Photometric Simulation



Luminous intensity distribution curves:



Working mode



Package--Neutral Carton Box

	ML-PALM-40	ML-PALM-64	ML-PALM-100	ML-PALM-120
Size (cm)	72x61x25	102x61x25	140x61x25	168x61x25
CBM /Carton	0-1098	0-15555	0-2135	0-2562
Set/20GP	220	150	100	90
Set/40GP	480	340	240	200
Set/40HQ	610	420	310	250

PACKAGING DIAGRAM

