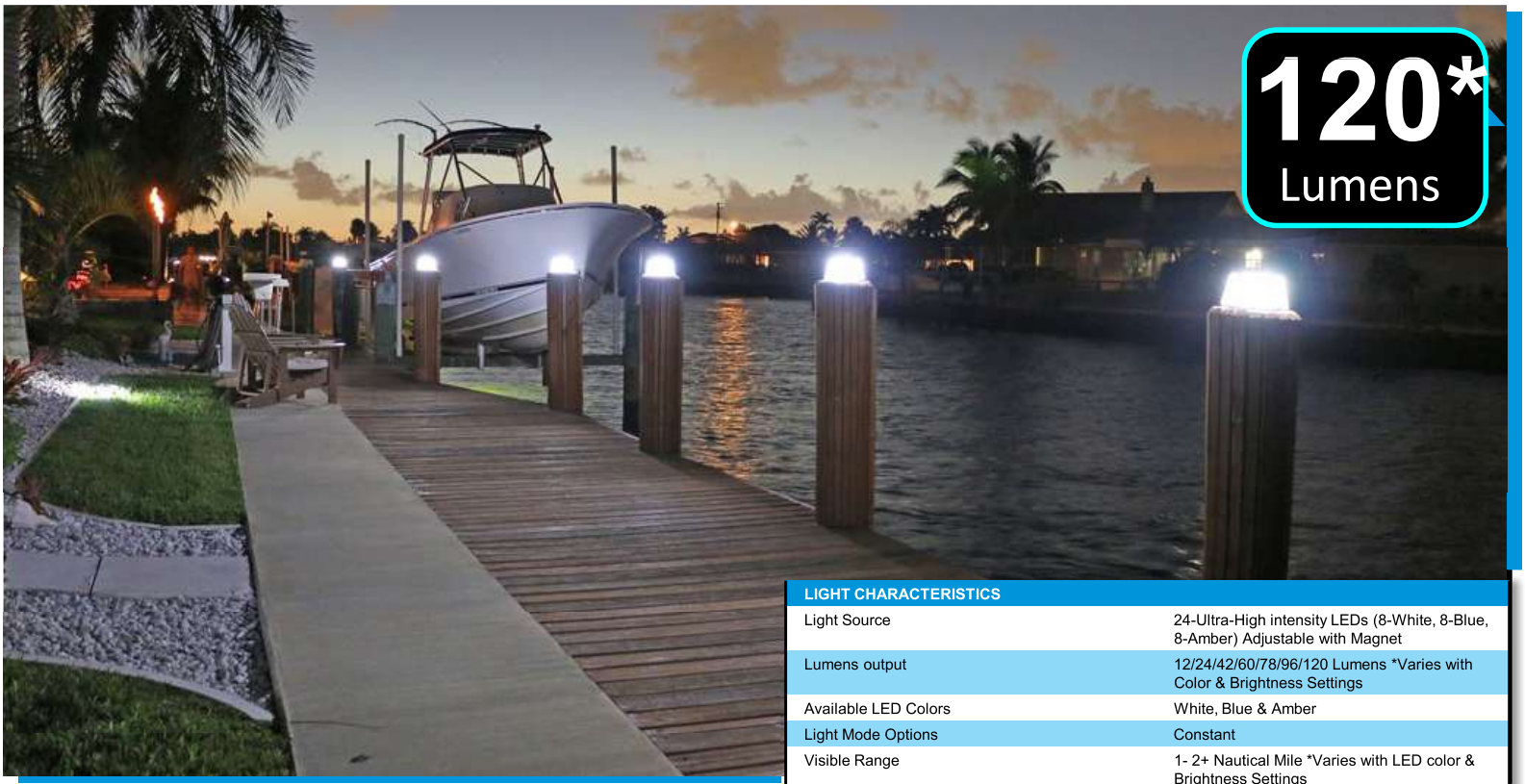
SOLAR PILING LITES

INTERNATIONAL DOCK PRODUCTS, INC

Every accessory for today's dock, except the Boat!



8 Inch Solar Piling Lites

LIGHT CHARACTERISTICS	
Light Source	24-Ultra-High intensity LEDs (8-White, 8-Blue, 8-Amber) Adjustable with Magnet
Lumens output	12/24/42/60/78/96/120 Lumens *Varies with Color & Brightness Settings
Available LED Colors	White, Blue & Amber
Light Mode Options	Constant
Visible Range	1- 2+ Nautical Mile *Varies with LED color & Brightness Settings
Horizontal Output (degrees)	360°
Vertical Divergence (degrees)	100-180° *Various with Mounting
LED Life Expectancy (hours)	> 100,000 hrs
ELECTRICAL CHARACTERISTICS	
Circuit Protection	Integrated
Nominal Voltage (v)	3.2v
Autonomy (hours)	16-20hrs *On full Charge * Varies With Brightness Settings & Conditions
Temperature Range	14-158° Fahrenheit
SOLAR CHARACTERISTICS	
Solar Module Type	Multicrystalline or Monocrystalline
Power (watts)	2.2 watts
Solar Module Efficiency (%)	16-17%
POWER SUPPLY	
Battery Type	High Capacity
Battery Size	LiFePo4
Battery Capacity (mAh)	3000mA
Nominal Voltage (v)	3.2v
Battery Service Life	1-3 years (Varies with local Environment)
Battery Service Access	Yes: User Changeable / Replaceable
PHYSICAL CHARACTERISTICS	
Body Material	ASA Composite
Lens Material	UV-Stabilized Polycarbonate
External Lens Design	Horizontal Lenticular
Internal Lens design	Vertical Lenticular
Waterproof Rating	IP 68
Mounting	Fits on Pilings or flat surfaces 8" diameter and larger
Height	4-1/4"
Width / Diameter	8"
Weight	4 lbs
OPTIONS	
Custom Options, Sizes, & Colors	Please Contact
Custom Hardware & Mounting	Please Contact

* Information subject to change without notice

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Caution! When plugging battery connectors together, align notches before connecting both connectors. Failure to do so could result in permanent damage to the light.

Battery Information

LiFePo4 Type Battery:

Volts: 3.2v Cell Size: 18500 Capacity: 3000mA

DO NOT USE: *standard 1.2v NiMh or NiCd type Rechargeable batteries, or they will be damaged!*

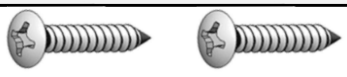
BATTERY MAINTENANCE

For prolonged storage when not using the product please follow these procedures.

1. Charge Batteries inside product on sunny day
2. Before Nightfall open your light and FULLY Disconnect the battery from the product
3. Store Battery and Product in warm/dry location.
4. **Note:** Batteries can be damaged from sub-zero temperatures when not in use.

CAUTION: PLEASE KEEP OUR ENVIORNMENT CLEAN! BATTERIES MUST BE RECYCLED OR DISPOSED OF PROPERLY.

Mounting Hardware Suggestions – *Not Included*

Mount Type	Hardware	*Stainless Steel Recommended*
No Through Hole	#14 OVAL HEAD Screws x Desired Length	
No Through Hole	5/16" Lag Bolts x Necessary Length with 5/16" Washers	
No Through Hole	3/8" Lag Bolts x necessary Length with 3/8" Washers	
Through Hole	5/16" Bolts X Necessary Length with 5/16" Washers & 5/16" Nuts	
Through Hole	3/8" Bolts X Necessary Length with 3/8" Washers & 3/8" Nuts	

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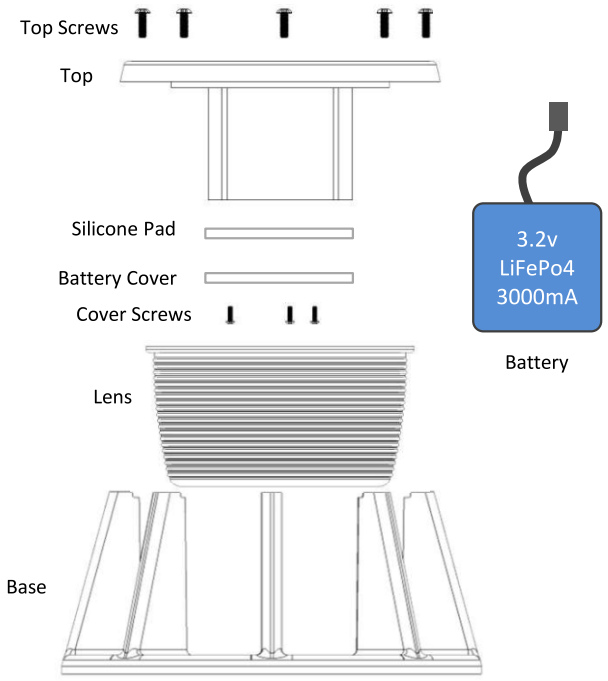
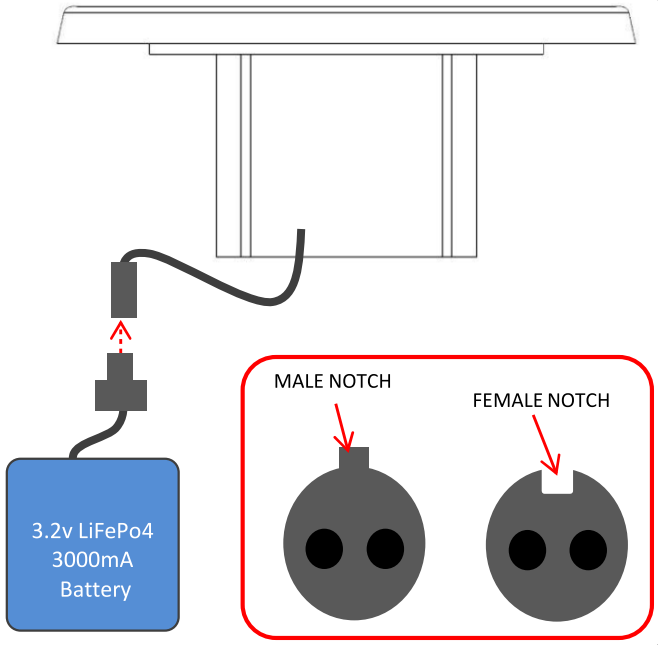


1

Use the provided wrench to separate your light: The battery is not connected when shipped.



2

Connect Battery: Caution! When plugging battery connectors together, align notches before joining both connectors. Forcing or connecting backwards will damage the light.

Power Setting	* Run Times
100%	6-8 hrs
80%	7-9 hrs
65%	10-12 hrs
50%	13-14 hrs
35%	15-17hrs
20%	17-22 hrs
OFF	OFF
Holding for 5-seconds	Changes LED color

3

*** Note:** Run times will vary significantly based on factors such as; Sun Exposure, Season, Geographic Location, Shading, Installed Location/Position, Battery Condition, Brightness Setting, etc… The following run times should only be used as a general reference and are not guaranteed. Consider your local environment.

NEW MAGNET SWITCH OPERATION

CHANGING BRIGHTNESS LEVELS

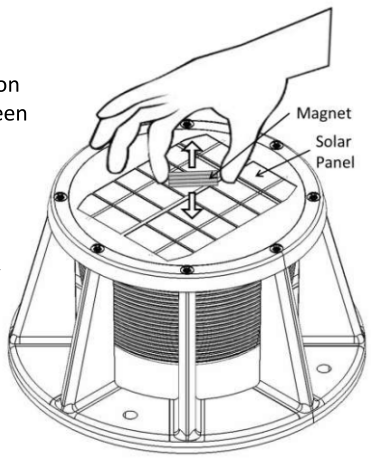
Wave the magnet over the solar panel at night until you find the activation area which changes the brightness level.

Make a quick up & down motion over this area to change between brightness levels and OFF.

NOTE: *moving too slowly may activate the magnet switch multiple times going through multiple levels at once. A quick motion will help!*

CHANGING LED COLORS

Hold the magnet over the activation area for 5 seconds until the LED color changes



4

Change brightness/power level at night by waving the magnet over the solar panel

Holding the magnet for 5-seconds in the activation area will change to the next LED color. You may then change between brightness/power levels on that LED color.

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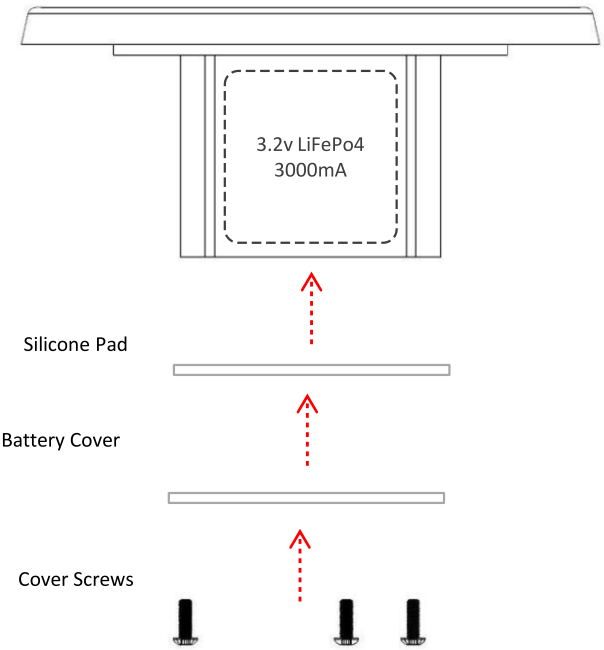
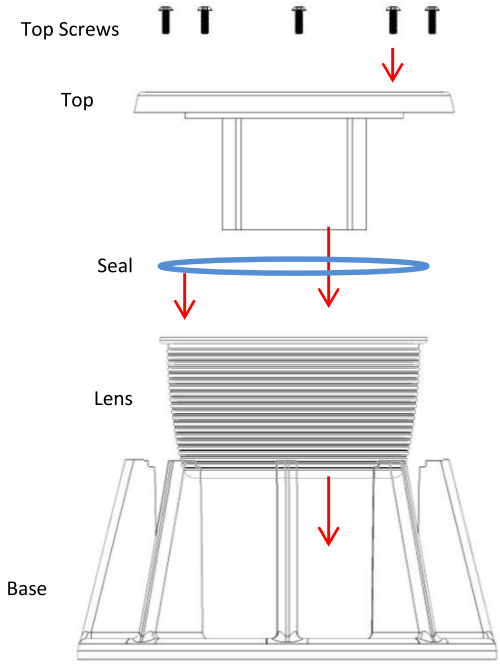
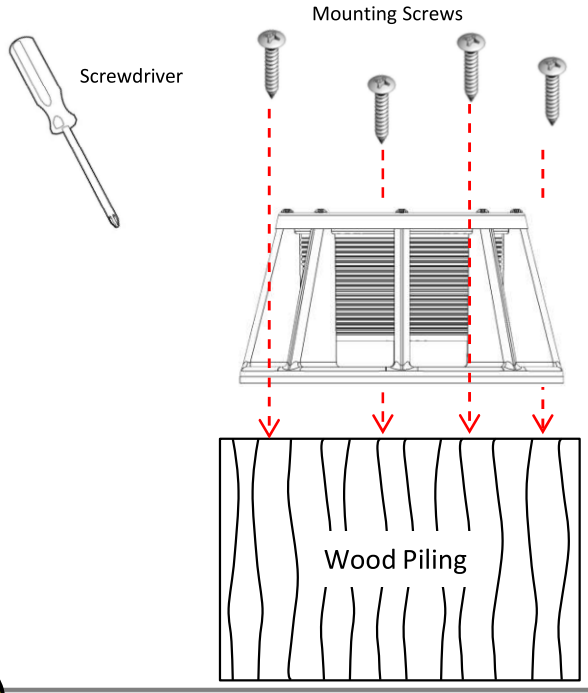


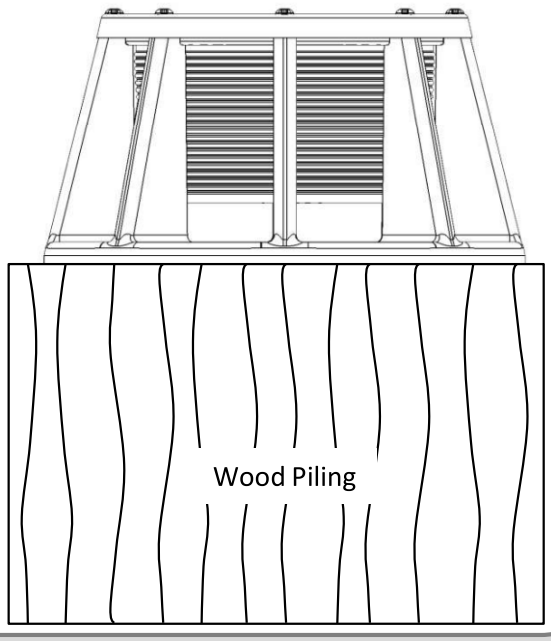
5 Use the provided wrench and screws to secure the silicone pad and battery cover. Fully tighten screws to ensure the chamber is waterproof.



6 Use Provided wrench and top screws to assembly your light together. NOTE: The seal must be in the correct position before tightening down the top to the base.



7 Place light onto piling and mark holes. Drill small pilot holes in piling with drill bit. Use screwdriver to secure the light to your piling with mounting screws – *Not Included*



8 Verify that the top screws are tight to provide a good seal for the lens. Verify that the base of the light is secured to the piling.

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