

Enjoy Every Moment! Onward.



### ATTENTION:

Please take time to thoroughly read and understand the information in your owner's manual before using your scooter.

## SAFETY GUIDELINES

Before attempting to use your scooter for the first time, please read and understand this user's manual. This serves as your guide to ensure a secure and enjoyable riding experience as your safety and comfort is our priority. For any other questions about this manual, or additional support in your scooter setup, please contact your authorized Licht Provider.

Ensuring your safety while using the Licht product relies on your thorough understanding and on adhering to the warnings, cautions, and instructions in this user's manual. It is equally important to know that your use of the Licht Scooter depends on the application of your good judgment, gained through personal experiences, as well as the insights provided by your trusted provider, caregiver, and healthcare professional. Licht Product emphasizes that they cannot be held liable for injuries or damages resulting from any failure to follow the guidelines laid out in this manual.

Please be aware of the symbols indicating warnings and cautions in this user's manual. Your safety and the durability of your scooter depends on your ability to fully comprehend these indicators.



**WARNING:** Disregarding the warnings in this user manual may expose you to the risk of personal injury.

**CAUTION:** Overlooking the cautions in this user's manual may result in damage to your scooter.



# CONTENTS

I	GETTING STARTED	4
II.	YOUR SAFETY	6
III.	EMI/RFI	17
IV.	SPECIFICATIONS OVERVIEW	19
V.	YOUR JOURNEY	21
VI.	BATTERIES AND CHARGING	25
VII.	OPERATION GUIDELINES	31
VIII.	COMFORT ADJUSTMENTS	33
IX.	DISASSEMBLY & ASSEMBLY	34
X.	OPTIONAL ACCESSORIES	37
XI.	TROUBLESHOOTING BASICS	38
XII.	CARE AND MAINTENANCE	40
XIII.	YOUR WARRANTY	42



### I. GETTING STARTED

#### SAFETY

Welcome to the world of unmatched style and comfort with Licht Technology USA Corporation. Built with state-of-the-art components, the scooter you purchased was meticulously designed for your safety and convenience. We are confident that these design features will seamlessly enhance your daily activities, providing the convenience you seek. As you become familiar with the safe operation and care instructions, your Licht scooter is excellently engineered to deliver years of trouble-free operation and dependable service, elevating the quality of your daily experience.

Prior to using your scooter for the first time, it is essential to read, understand, and follow all instructions, warnings, and notes provided in this manual. Your safety is our priority, and keeping it relies on your understanding of these guidelines, as well as your Provider, caretaker, or healthcare professional for a secure and confident scooter experience.

Should there be any aspect of this manual that you find unclear or if you need additional guidance for setup or operation, don't hesitate to reach out to your authorized Licht Provider. Neglecting the instructions in this manual and on your scooter could lead to personal injury and/or scooter damage, potentially risking voiding the warranty.

### EXPRESSED AGREEMENT OF INDEMNIFICATION

By accepting the delivery of this product, the Purchaser expressly commits not to alter, modify, or change the product in any way. Furthermore, he/she agrees not to remove or render inoperable any of the product's guards, shields, or safety features. The Purchaser also pledges not to destroy, tamper or obstruct safety signs or neglect the installation of any retrofit kits provided by Licht for user's enhanced safety.

Failure to adhere to these commitments or any negligence in the safe operation or maintenance of the product will result in the Purchaser indemnifying and holding Licht harmless from all actions, suits, claims, or demands, which includes product's liability claims for injuries or loss arising from the product's operation, maintenance, repair, or other use. Purchaser acknowledges that this indemnification agreement is a fundamental condition of sale, backed by sufficient consideration, and he/she affirms having read and comprehended it before the purchase and delivery of the product.

### **INFORMATION EXCHANGE**

We highly value your feedback, questions, and suggestions regarding this user's manual. Your insights are crucial to enhancing our products and ensuring they meet your expectations. We are eager to hear about your experiences with the safety and reliability of your new scooter. Your satisfaction is of utmost importance to us, and your input helps us continually improve and innovate our product.

## I. GETTING STARTED

We are also interested in learning about the service you received from your authorized Licht Provider. Your feedback enables us to maintain high standards of customer service and address any areas for improvement. We strive to ensure that your experience with both our products and services is positive and meets the standards we set for ourselves.

Please consider reaching out to us at the provided address for any questions, comments, or suggestions you may have. Your valuable input is instrumental in shaping the future of our products and services, and we appreciate the time you take to share your thoughts with us. You may reach or contact us at the following address:

### Licht Technology USA Corporation

Attn: Customer Care Department 1040 N. 950 W, Suite 500 Centerville, UT 84014

onward**joy**.com

### **GENERAL**



WARNING: Do not attempt to start using your new scooter without fully reading and comprehending the content of this user's manual.

Your scooter is not just a mode of transportation; it's a cutting-edge life-enhancement device carefully designed to augment mobility. Licht provides a diverse selection of products, securing customization to the individual needs of the scooter user. Please bear in mind that the final decision on the type of scooter rests with the user who is capable of making specific decisions, together with their healthcare professional (i.e., doctor, physical therapist, etc.), ensuring the choice is aligned with individual requirements.

This manual was created on the assumption that a mobility device expert has appropriately fitted the scooter to the user. At the same time, he/she has been assisted by the prescribing healthcare professional or the authorized Licht Provider in the instructional process for product use.

In particular scenarios, such as those related to specific medical conditions, having a trained attendant—a family member or care professional with specialized training in assisting scooter users in daily living activities—may be necessary.

As you start to use your scooter during daily activities, there may be a learning curve. Be patient, and soon you'll confidently navigate through doorways, lifts, ramps, and various terrains.

The following section outlines precautions, tips, and additional safety considerations, facilitating a smooth adaptation to the safe operation of your scooter.

#### **MODIFICATIONS**

Licht has meticulously designed and engineered your scooter to optimize both mobility and utility. It is imperative, however, that you avoid making any modifications—whether adding, removing, or disabling features, parts, or functions of your scooter. Under no circumstances should any alterations be made to the original design.



WARNING: Do not engage in any modifications to your scooter without explicit authorization from Licht. Unauthorized modifications may pose a serious risk of personal injury and significant damage to your scooter. Your safety is our top priority, and any alterations should strictly adhere to Licht's authorized guidelines.

### **REMOVABLE PARTS**



WARNING: Do not try to lift or move your scooter using any of its removable parts. Doing so may result in personal injury and cause potential damage to the scooter. Adhere strictly to this warning to ensure your safety and your scooter's optimal performance.

### **ELECTROMAGNETIC FIELDS**

It's essential to recognize that your scooter's road performance features may be influenced by electromagnetic fields generated by various sources, including cellular telephones, hand-held radios, radio and television stations, wireless computer links, microwave sources, and paging transmitters. Gain a comprehensive understanding of this aspect in Section III, titled "EMI-RFI."

### PRE-RIDE SAFETY CHECK

Familiarize yourself with your scooter feels, its dynamics and capabilities. Licht strongly recommends conducting a thorough safety check every time before you use it to guarantee your scooter's smooth and safe operation. Detailed guidelines on how to perform these vital inspections are available in XII. "Care and Maintenance Guidelines."

Before starting your ride, conduct the following inspections on your scooter:

- Confirm proper tire inflation (if equipped with pneumatic tires).
- Inspect all electrical connections. They should be tight and not corroded.
- Inspect all harness connections. Ensure they are all securely fastened.
- Examine the brakes for optimal functionality.
- · Examine the battery charge.

Should any problems arise, immediately reach out to your authorized Licht Provider.

#### **WEIGHT LIMITATIONS**

Your scooter is designed with a specified maximum weight capacity. See details in the specifications table.



WARNING: Exceeding the weight capacity not only voids your warranty but also poses the risk of personal injury and potential damage to your scooter. Licht holds no responsibility for injuries or property damage resulting from failing to observe weight limitations.



WARNING: It is strongly advised not to carry passengers on your scooter, as doing so may result in personal injury and potential property damage. This clear emphasis is placed to secure your well-being and the longevity of your scooter.

### INCLINE INFORMATION

Growing number of establishments have built ramps for safety and ease of access, up to a specified degree of inclination. Some ramps may have turning switchbacks (180-degree turns), that may demand for your good cornering skills on your scooter.

- Approach the downgrade of a ramp or incline with extreme caution. Navigate with care to ensure a safe and controlled descent.
- To prevent cutting the corners short, execute wide swings with your scooter around tight corners. Executing this maneuver guarantees that the scooter's rear wheels follow a wide arc, reducing the likelihood of collisions or becoming entangled on railing corners.
- When driving down a ramp, set the scooter's speed adjustment to the slowest setting. This precaution ensures a safely controlled descent, minimizing the risk of accidents.
- Prioritize safety—avoid abrupt stops and starts on inclines. Opt for smooth, controlled movements for a safer ride.

### **BRAKING INFORMATION**

The powerful brake systems inside your scooters are as follows:

#### **Regenerative Braking:**

Utilizing electricity, this brake system immediately slows the vehicle as the throttle control lever returns to the center stop position

#### **Disc Park Brake:**

Triggered mechanically after regenerative braking slows the vehicle to a near stop or when power is removed, by any instance.

On inclines, keep your scooter moving when ascending. If you need to stop, restart gradually and accelerate cautiously. Set the speed adjustment dial to the slowest setting when descending an incline, and drive while moving forward only. If the descent goes faster than anticipated, stop by releasing the throttle lever and gently push it forward for a controlled and safe descent.



WARNING: Exercise extreme caution when ascending inclines—do not zigzag or take an angled approach. Drive your scooter directly up the incline to greatly minimize the chance of tipping or falling. Remember, negotiating inclines requires constant vigilance and caution.



WARNING: Refrain from driving your scooter along the side of a hill or diagonally up or down a hill. When driving up or down an incline, strive to avoid stopping if possible. This is crucial to ensure the safety and stability of your scooter during hill navigation.



WARNING: Do not set your scooter in freewheel mode while on any incline or decline, whether you are seated on it or standing beside it.

WARNING: Despite the capability of your scooter to handle slopes beyond those illustrated in Figure 1, it is of utmost importance not to go beyond the incline guidelines or any other specifications provided in this manual. Overstepping these limits may compromise the stability of your scooter, potentially leading to personal injury and/or damage to the scooter.

Government regulations concerning handicap public access ramps differ across countries, contributing to differences in the standard percent of slope. Moreover, inclines beyond these ramps, whether occurring naturally or crafted for purposes unrelated to scooters, might not be explicitly designed for scooter use. Figure 1 provides a visual representation of your scooter's stability and its capability to ascend grades under different weight loads, all meticulously tested under controlled conditions.

The conducted tests involved positioning the scooter's seat at its highest setting and adjusting it rearward on the seat base to the farthest rearward position. Consider this information as a valuable guideline. The scooter's performance in ascending inclines is influenced by multiple factors, which includes your weight, the scooter's speed and specific setup, and the angle at which you approach the incline.

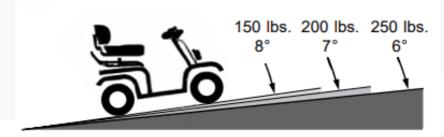


Figure 1: Maximum Recommended Incline Angles



WARNING: Avoid any efforts to climb or descend a slope steeper than indicated in Figure 1. Such attempts may place your scooter in an unstable position, posing a risk in tipping and heightened risk of personal injury.



WARNING: It is strictly advised never to load the rear basket of your scooter with contents exceeding 13 lbs. Adhering to this weight limit is essential to maintaining the stability and safe operation of your scooter during use.

Ensure optimal stability when approaching inclines by adopting a forward-leaning posture, as depicted in Figures 2 and 2A. This shift in posture effectively moves you and your scooter's center of gravity forward, ensuring enhanced stability for both you and your scooter during incline.



Figure 2: Standard Driving Position



Figure 2A: Enhanced Stability Position

### **CORNERING INFORMATION**

When navigating corners, it's crucial to avoid excessively high speeds, as this could increase the risk of tipping. Multiple factors contribute to this risk, including but are not limited to, steering angle, cornering speed, uneven road surfaces, inclined roads, transitioning from low to high traction areas (such as crossing over from an uneven surface to a smooth, well-paved road, particularly during a rapid turn), and sudden directional changes. It's strongly discouraged to go at high cornering speeds. If there's a concern about potential tipping, take proactive measures by reducing speed and moderating the steering angle to ensure the stability of your scooter.



WARNING: When navigating sharp corners, prioritize safety by decreasing your speed. Moreover, when operating your scooter at higher speeds, exercise caution to avoid sharp cornering. This diminishes the risk of tipping or falling. Always apply common sense as a fundamental principle to safeguard against personal injury or property damage while navigating corners.

### **OUTDOOR DRIVING SURFACES**

Licht acknowledges the diversity of outdoor environments while your scooter is carefully designed for optimal stability on typical surfaces under dry conditions. Such surfaces can be dry, level concrete, blacktop, or asphalt. Recognizing that you may encounter various surfaces, your scooter is thoughtfully engineered to perform exceptionally well on packed soil, grass, and gravel. You can confidently and safely use your scooter in lawns and parks, without compromising performance.

- Slow down on bumpy surfaces or soft ground for safer navigation.
- Steer clear of tall grass to prevent it from getting caught in the running gear.
- Ensure a trouble-free ride by avoiding loosely packed gravel and sand.
- If unsure about a surface, exercise caution and choose an alternative route.

#### PUBLIC STREETS AND ROADWAYS



WARNING: Do not operate your scooter in public areas. Avoid public streets and roadways due to potential challenges for other road users to see you. Exercise caution by obeying local pedestrian traffic rules and proceeding only when the path is clear of traffic.

**NOTE:** Ensure your safety by purchasing accessories like fluorescent flags from your authorized Licht Provider.

### STATIONARY OBSTACLES (STEPS, CURBS, ETC.)



WARNING: Avoid driving near raised surfaces, unprotected ledges, and drop-offs such as curbs, porches, and stairs. Prioritize caution to prevent potential hazards.

WARNING: Avoid attempting to navigate your scooter over obstacles with exceptionally high heights, whether ascending or descending. This is to prevent any serious personal injury and potential damage.



WARNING: Exercise utmost caution and refrain from attempting to maneuver your scooter backward down steps, curbs, or any obstacle. This action may cause the scooter to tip and present a potential threat of serious personal injury.



WARNING: Always make sure your scooter travels perpendicular to any curb you intend to ascend or descend. This is essential for safe and secure maneuvering. For reference, check figures 3 and 3A.

WARNING: Do not attempt to navigate a curb exceeding a height of 2 inches.

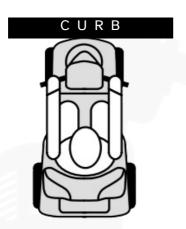




Figure 3. Right Curb Approach

Figure 3A. Wrong Curb Approach

### INCLEMENT WEATHER PRECAUTIONS



WARNING: Licht strongly discourages operating your scooter in icy or slippery conditions, especially on surfaces treated with salt, such as walks or roads. Failure to follow this advice may result in accidents, personal injury, and a potential compromise in scooter performance and safety.

WARNING: Avoid storing and operating your scooter in areas exposed to inclement weather, such as rain, snow, mist, and below-freezing temperatures. This is crucial when considering storage on an outside car/van lift, as exposure in these conditions may lead to damage in the electronics and potential loss of control.

#### FREEWHEEL MODE

Your scooter comes with a manual freewheel lever. By pushing the lever forward, it allows you to push the scooter conveniently. Refer to V. "Your Journey" for detailed instructions on how to engage and disengage the freewheel mode.



WARNING: In freewheel mode, your scooter's braking system is not engaged. This implies that braking functions are inactive, therefore you need to exercise additional caution.

- Safely disengage the drive motors only when your scooter is on a level surface
- For added security, make sure the key is removed from the key switch, preventing any unintended activation.
- Activate or deactivate freewheel mode by standing behind the scooter, not while seated, for safety reasons.
- After pushing your scooter, always return it to drive mode. This secures the brakes, ensuring safe and controlled operation.

Not following the above instructions may lead to personal injury and/or damage to your scooter. Abide by these guidelines for your safety.

### STAIR AND ESCALATORS

Scooters are not suitable for stairs or escalators. Choose to use an elevator every time.



WARNING: Do not attempt to use your scooter on steps or escalators, to prevent any injury to yourself and/or others, and/or damage to your scooter.

#### **DOORS**

- Check the door if it opens toward or away from you for a smooth exit.
- Open the door by turning the knob, pushing the handle, or using the push-bar with your hand
- Gently drive your scooter forward to slowly push the door open. You can also drive the scooter rearwards to pull the door open for a slow and controlled movement

### **ELEVATORS**

Elevators today come with a door edge safety mechanism that automatically reopens the door when pushed.

- Exercise caution to avoid trapping yourself in the elevator doors. If the doors start closing and you're in the doorway, push on the rubber door edge or let it get in contact with your scooter to trigger the reopening.
- Maintain safe practices in elevators by preventing items like pocketbooks, packages, or scooter accessories from getting caught in the doors. This helps you to have a secure and hassle-free elevator experience.

### LIFT/ ELEVATION PRODUCTS

If you plan to travel with your scooter, consider using a lift/elevation product to help you during transportation. Before using any lift, carefully review the instructions, specifications, and safety details provided by the lift's manufacturer to ensure your safety.



WARNING: Do not sit on your scooter while it's connected to any lift/elevation product. Your scooter wasn't built for this purpose, and Licht is not liable for any harm or damage caused by such usage.

#### **BATTERIES**

Apart from the warnings listed, make sure to observe all other information provided for proper battery handling.



WARNING: Keep in mind, scooter batteries are heavy (see the specifications table). Lifting more than you can handle might lead to personal injury. If required, seek assistance from someone who can lift them for you.

WARNING: Be aware that battery posts, terminals, and accessories contain lead and lead compounds. Remember to wash your hands after handling.



WARNING: Keep batteries from freezing, and never swap a frozen battery. Charging a frozen battery could cause personal injury and/or battery damage.

WARNING: Remember, RED(+) cables connect to positive (+) battery terminals/posts. BLACK (-) cables connect to negative (-) battery terminals/posts. Connecting them incorrectly may result in personal injury and/or scooter damage. REPLACE damaged cables immediately.

#### BATTERY DISPOSAL AND RECYCLING

For a damaged or cracked battery, seal it in a plastic bag and contact your authorized Licht Provider for disposal instructions. They'll also guide you on the recommended battery recycling process.

### MOTOR VEHICLE TRANSPORT

As of now, there are no approved standards for tie-down systems in any moving vehicle to transport someone seated in a scooter.

While your scooter may have a positioning belt, it's not built to secure you during motor vehicle transport. Still use securely fastened safety belts to secure yourself in a motor vehicle seat.



WARNING: To avoid personal injury and property damage, never sit on your scooter while it's in a moving vehicle.

WARNING: When transporting, always double-check that your scooter and its batteries are properly secured. This is necessary to avoid personal injury or damage to your scooter.

### PREVENTING UNINTENDED MOVEMENT



WARNING: Switch off the power if you expect to be seated without movement for an extended period. This is to prevent unintended motion from accidental throttle control lever contact. Neglecting this may lead to personal injury.

#### GETTING ON AND OFF OF YOUR SCOOTER

Ensuring a good sense of balance is essential when getting on and off your scooter. Navigate these actions securely by adhering to these safety tips.

- Double-check that your scooter is not in freewheel mode by following instructions on section V. "Your Journey" to ensure accurate mode selection.
- Prioritize safety by removing the key from the switch and confirming the seat is securely locked in place.



WARNING: Position yourself towards the rear of the scooter seat and reducing the risk of the scooter from tipping, reducing the risk of injury



WARNING: For preventive measures, do not use the armrests for weight bearing. This may cause the scooter to tip and pose a risk of personal injury.

WARNING: Be cautious about where you place your weight on the scooter. Avoid concentrating it all on the floorboard to prevent any tipping that could result in personal injury.

#### **REACHING AND BENDING**

Be mindful of your personal limitations when reaching or bending on your scooter. Avoid reaching, bending, or leaning too much on your scooter without maintaining a stable center of gravity. Licht recommends the scooter user to practice these movements with a qualified healthcare professional to ensure a safer experience.



WARNING: Refrain from bending, leaning, or reaching down between your knees for objects. Such movements may change your center of gravity and the scooter's balance, increasing the risk of tipping. Stay cautious and keep your hands clear of the tires while driving for added safety.

### III. EMI/RFI

#### **EMI/RFI**

Ensuring a good sense of balance is essential when getting on and off your scooter. Navigate these actions securely by adhering to these safety tips.



WARNING! Be vigilant and protect your scooter from potential disruptions, as radio waves may interfere with scooter control.

Know that the intensity of electromagnetic energy (EM) is higher near transmitting antennas. Radio waves are a specific type of electromagnetic energy (EM), and can be emitted from antennas of different sources. Source examples are cellular phones, amateur radio (HAM) transmitters, mobile two-way radios (such as walkie-talkies and CBs), radio and TV stations, wireless computer links, microwaves, and paging transmitters. As the transmission strength increases, so does the potential impact on electric mobility vehicle users.

Understand that the motion of your electric mobility vehicle might become unpredictable when affected by EMI/RFI. This unpredictability could lead to sudden stops or uncontrolled movements. Being mindful of safety risks associated with EMI/RFI, such as erratic motion and potential brake release, is crucial for a safer and more controlled experience with your electric mobility vehicle.

### SAFETY PRECAUTIONS

Take proactive steps to minimize the risk of EMI/RFI affecting your mobility vehicle. Follow these guidelines to ensure a secure and controlled experience with your mobility vehicle:

- Turn-off hand-held communication devices such as citizen's band (CB) radios and cell phones for your safety while using your mobility vehicle.
- Be attentive to nearby radio wave transmitters, like radio or TV stations and hand-held or mobile two-way radios. Ensure safe operation by maintaining a safe distance from these transmitters. For instance, prioritize safety by maintaining a distance of at least three feet away from hand-held two-way radios and ten feet away from mobile two-way radios.
- Take note that incorporating accessories, components, or making modifications to your mobility vehicle may alter its EMI/RFI resistance level, potentially increasing vulnerability to interference from radio wave sources.
- Prioritize safety by turning off your mobility vehicle before getting on or off. Make sure to remove the key from the key switch.
- Remember to always remove the key from the key switch when leaving your mobility vehicle unattended.

## III. EMI/RFI

### What should I do if my mobility vehicle moves unexpectedly?

In case of unintended motion or brake release, act immediately. Turn off your mobility vehicle right away by removing the key as soon as it's safe.

## If my mobility vehicle moves unintentionally, where should I report the incident?

Send an email to Licht Customer Care at care@lichttechnology.com to report the incident.



## IV. SPECIFICATIONS OVERVIEW

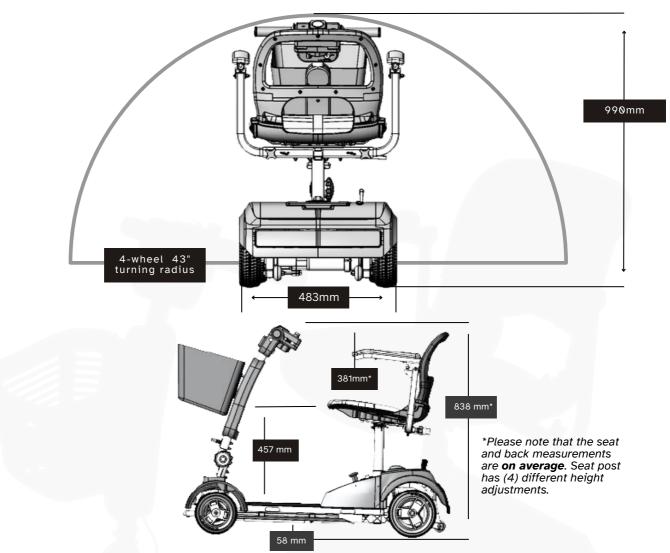


Figure 4. Journey Scooter Dimensions on Average

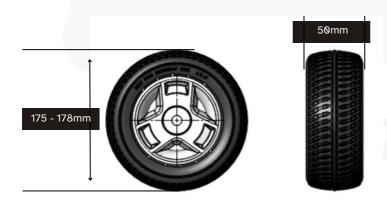


Figure 4A. Journey Front Tire Dimensions

## IV. SPECIFICATIONS OVERVIEW

### SPECIFICATIONS

Model Number	PS30
Colors	Cherry Red, Neptune Blue, Sunburst Orange, Frozen Grey Mat
Overall Length	39 in.
Overall Width	19 in.
Total Weight Without Battery Pack	65 lbs.
Heaviest Piece When Disassembled	Front Deck 24.75lbs
Turning Radius	43 in.
Speed (Maximum)	Variable up to 4 mph
Range Per Charge*	With 12 AH batteries Up to 11.8 miles
Ground Clearance	2.25 in.
Weight Capacity	360 lbs.
Standard Seating	Type: Foldable vinyl covered molded foam Dimensions: 17 in. width, 16 in. depth (usable), 13.5 in. height Material: Black Vinyl
Drive System	Rear-wheel drive, sealed mini transaxle, 24 volt DC motor
Dual Braking System	Electronic, regenerative, and electromechanical
Tires	Types: solid; front 7" (173mm - 175mm) and rear 8" (195mm - 198mm)
Battery Requirements	Type: One (1) 24 volt, deep cycle, Ternary
Battery Charger	2-amp, off-board battery charger

<sup>\*</sup>Factors such as user weight, terrain type, battery condition, and tire condition contribute to performance variations.

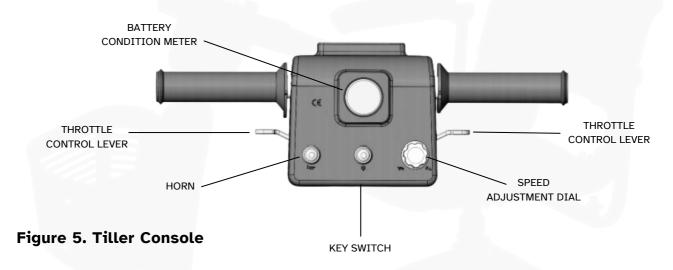


### **TILLER CONSOLE**

The tiller console is your scooter's control center. It houses key features like the key switch, throttle control levers, horn button, speed adjustment dial, and the battery condition meter. See figure 5 for reference.



WARNING! Keep the tiller console away from moisture. If it does, wait until it's entirely dry before using your scooter to avoid potential damage.



### **Key Switch**

- Turn on your scooter by fully inserting the key into the key switch.
- Turn off your scooter by removing the key from the key switch.



WARNING: Be cautious! If you switch the key off while your scooter is moving, the electronic brakes will engage, resulting in a sudden stop.

### **Throttle Control Levers**

- Position your right hand on the right handgrip and your left hand on the left handgrip.
- Use your right thumb to push the right side of the lever, releasing the scooter's brakes for forward movement.
- Release the lever to bring your scooter to a complete halt, then push the other side of the lever to initiate movement in reverse.

### **Horn Button**

For the horn to work, the key must be fully and properly inserted into the key switch.

- This button is designed to activate the warning horn.
- Use the warning horn promptly in order to help prevent accidents or injuries.

### **Speed Adjustment Dial**

Adjust your scooter's speed limit by turning the dial to your desired setting.

- Look for the tortoise icon to set the slowest speed on your scooter.
- Look for the hare icon for the fastest speed on your scooter.

### **Battery Condition Meter**

To display an approximate measure of your battery's strength and activate the meter, fully insert the key. For additional details on the battery condition meter, see VI, "Batteries and Charging".

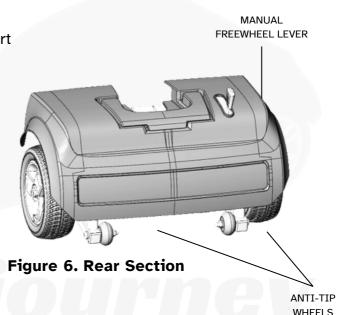
### **REAR SECTION**

In the rear section of your scooter, you'll find the manual freewheel lever, anti-tip wheels, and motor/transaxle assembly (refer to Figure 6).

### Manual Freewheel Lever

When you want to push your scooter over short distances, you can simply set it on freewheel mode for quick and easy movement.

- You can find the manual freewheel lever at the top right of the rear section.
- Switch off both the drive and brake systems by pushing the manual freewheel lever forward
- Begin pushing your scooter now
- Re-engage the drive and brake systems by pushing the manual freewheel lever backward, removing your scooter from freewheel mode.





ATTENTION: If your scooter is in freewheel mode, remember the brakes are not active. Exercise caution.

- Make sure to disengage the drive motors only on a flat surface.
- Remember to remove the key from the key switch.
- Always stand behind the scooter when activating or deactivating freewheel mode. Do not do this while sitting on the scooter.
- Once you're done pushing your scooter, switch it back to drive mode to secure the brakes

Please take these instructions carefully. Failure to do so may result in personal injury or damage to your scooter.

### **Anti-Tip Wheels**

Do not, under any circumstances, take off the anti-tip wheels from your scooter. They are vital for your safety.



WARNING! Do not take off the anti-tip wheels or make any changes to your scooter without Licht's authorization.

### Motor/Transaxle Assembly (Not Shown)

In your scooter, the motor/transaxle assembly plays a critical role. It converts the electrical energy stored in the batteries into the controlled mechanical power that sets the wheels in motion.

### **BATTERY PACK**

You can easily remove your Journey's battery pack, thanks to its innovative design. Lift it effortlessly with one hand using the handle on top. Inside the pack, you'll find one 24-volt, 12 AH battery, the charger power cord receptacle, and the main circuit breaker (reset button). Refer to Figure 7.



### **Charger Power Cord Receptacle**

Connect your scooter's 3-pin off-board charger plug right into this receptacle for charging.

### **Main Circuit Breaker (Reset Button)**

In situations where your scooter's batteries are running low on voltage or the scooter is under heavy strain due to steep inclines or excessive loads, the main circuit breaker may trip. This is to protect the motor and electronics from potential damage.

- When the breaker trips, the main circuit reset button pops out, indicating the need for a reset.
- If the breaker trips, your scooter's entire electrical system will shut down.
- Give your scooter's electronics one to two minutes "rest" to allow for a reset.
- Reset the main circuit breaker by firmly pushing the reset button.
- Should the main circuit breaker trip often, consider charging your batteries more often. Consider reaching out to your authorized Licht Provider for a load test on your scooter's batteries if needed.

### **OFF-BOARD BATTERY CHARGER**

To charge your scooter's batteries, simply plug the off-board battery charger into the charger power cord receptacle on the battery pack and into a standard wall outlet. See Figure 7A for reference.



Figure 7A. Off-Board Battery Charger

Your scooter comes with one sealed, maintenance-free 12 AH battery.

- Before your first ride, make sure to charge the battery of your scooter.
- Maintain your scooter's optimal performance by keeping the battery fully charged.

### READING YOUR BATTERY VOLTAGE

Color coding is used on the battery condition meter of the tiller console for an easy battery status update. Green denotes full charge, yellow indicates a draining charge, and red means an immediate recharge is needed. Check Figure 8 for details.

Check the battery strength while charging by unplugging the charger power cord and powering up your scooter with the key inserted into the key switch.



Figure 8. Battery Condition Meter

NOTE: For the most precise reading, check the battery condition meter while you're riding your scooter at full speed on a flat surface.

#### CHARGING YOUR BATTERIES



WARNING: Do not use an extension cord with your battery charger. Always plug the charger directly into a properly wired standard wall outlet.

WARNING: Removing the grounding prong is risky and can cause an electrical hazard. If necessary, install an approved 3-prong adaptor correctly into a 2-pronged plug outlet. Disregarding this caution may result in personal injury and/or property damage.

WARNING: Do not use any other charger than the one supplied with the scooter. These are Lithium batteries - not Lead Acid.

You have the option to charge the scooter's battery pack either on or off the scooter.

Here are simple steps to safely charge your batteries:

- 1. Put your scooter near a standard wall outlet and take the key out of the key switch.
- 2. Ensure that the manual freewheel lever is in the drive (pushed back) position.
- 3. Take off the cover from the charger power cord receptacle, then plug in the 3-pin off-board charger power cord.
- 4. Stretch out the charger power cord from the off-board charger and insert it into the wall outlet. Follow this with an 8 to 14-hour battery charge, as recommended.

5. Once your batteries are completely charged, disconnect the off-board charger power cord first from the wall outlet and then from the charger power cord receptacle.
6. Place the cover back on the charger power cord receptacle.

NOTE: Your Journey comes with a charger inhibit function. The scooter won't run and the battery condition meter won't work if the charger cord still remains connected to the battery pack.



### FREQUENTLY ASKED QUESTIONS (FAQs)

#### How does the charger work?

As your scooter's battery voltage drops, the charger increases its output, sending additional electrical current to boost the battery charge. When nearing full charge, your scooter's charger reduces the flow of electrical current to the batteries.

Once your scooter's batteries are fully charged, the charger delivers nearly zero amperage. This maintains the charge without the risk of overcharging. It is not recommended to charge your scooter's batteries for more than 24 consecutive hours.

#### What if my scooter's batteries won't charge?

• Make sure both ends of the charger power cord are fully inserted.

### How often must I charge the batteries?

Consider two key factors when determining how often to charge your scooter's batteries.

- Scooter use is an all-day, everyday activity.
- · Using your scooter irregularly or on an occasional basis.

Using these considerations, you can figure out the optimal charging schedule for your scooter's batteries. Our off-board charger is built to prevent overcharging, ensuring the longevity of your scooter's batteries.

Problems may arise if you don't charge your batteries often and maintain a regular charging schedule. The following guidelines below are essential to maintaining a safe and reliable charging and battery operation:

- For optimal performance, charge your scooter's batteries for 8-14 hours after your daily usage.
- If your scooter is used once a week or less, keep its batteries in optimal condition by charging for 12 to 14 hours at least once weekly.
- Keep your scooter's batteries at full charge to maximize their operational efficiency.
- Ensure a longer battery lifespan by avoiding deep discharges on your scooter's power source.
- Preserve battery longevity by adhering to the 24-hour charging limit for your scooter.

#### How can I get maximum range or distance per charge?

Don't expect perfect driving conditions. Roads are typically bumpy, with hills, cracks, and uneven surfaces. In addition to all these, curves and wind also play a role in affecting the distance or running time per battery charge.

To achieve the maximum range per battery charge, you can follow these tips:

- Before using your scooter, make certain that the batteries are fully charged.
- Before you hit the road, plan your route strategically to avoid as many hills, cracked surfaces, broken paths, or soft ground as possible.
- · Keep it light by including only essential items in your baggage.
- Aim to keep a steady speed while your scooter is moving.
- Keep your driving smooth by avoiding frequent stops and starts.

### What about public transportation?

Contact the transportation provider beforehand if you plan to use public transportation with your scooter to understand their specific requirements.



WARNING: Be aware that batteries contain corrosive chemicals. To minimize the risk of leakage or explosive conditions, only use Ternary batteries.

NOTE: Sealed batteries are non-serviceable. Do not attempt to remove the caps.

Utilize these specifications when reordering deep-cycle batteries from your authorized Licht Provider.

Battery Specifications			
Туре	Ternary Lithium		
Voltage	24 volts		
Size	12 AH		

#### Why do my new batteries seem weak?

Unlike car batteries, nickel-cadmium batteries (nicads), and other common battery types, deep-cycle batteries use a different chemical technology. The design of deep-cycle batteries is focused on delivering power, undergoing discharge, and then accepting a relatively swift recharge.

We maintain a close working relationship with our battery manufacturer to deliver batteries that are ideally suited to your scooter's particular electrical needs. Licht receives fresh batteries daily, and we ship them to our customers fully charged.

While in transit, batteries may experience temperature extremes that can affect their initial performance. Heat can reduce the battery charge, while cold slows down available power and extends the recharge time.

It could take a few days for your scooter's batteries to stabilize and acclimate to the new room or ambient temperature.

To ensure peak performance and a long life for a deep-cycle battery, it is essential to undergo a few charging cycles, involving partial draining followed by full recharging to establish the critical chemical balance.

Maximize efficiency and service life by following these steps to properly break in your scooter's new batteries:

- **1.** Charge your new battery fully before using it for the first time. This first charge gets the battery to around 88% of its best performance.
- **2.** When using your new scooter, stick to familiar and safe areas. Start by driving slowly, and avoid going too far from your home or familiar surroundings until you become accustomed to your scooter's controls.
- **3.** Make sure to fully recharge the batteries, bringing them to over 90% of their peak performance.
- 4. Start using your scooter again.
- 5. Perform a full recharge on the batteries again.
- **6.** Following four or five charging cycles, the batteries can now reach a 100% charge of their peak performance, providing an extended usage time.

### How can I ensure maximum battery life?

When fully charged, deep-cycle batteries offer reliable performance and a longer battery life. Whenever you can, make sure to keep your scooter's batteries fully charged. Regularly and deeply discharging, infrequently charging, or storing batteries without a full charge can cause permanent damage, leading to unreliable performance and a limited service life.

#### How should I store my scooter and its batteries?

Refer to XII. "Care and Maintenance Guidelines."

### REPLACING YOUR SCOOTER'S BATTERIES



WARNING: Keep in mind that battery posts, terminals, and related accessories contain lead and lead compounds. Remember to wash your hands after handling.

#### **Battery Removal**

- 1. To remove the battery pack from the scooter, release the battery pack lock, grip the handle, and lift it up.
- 2. Flip the pack upside down.
- 3. Take off all the screws holding the battery pack halves in place.
- 4. Turn the battery pack back over, ensuring the handle is up, and then remove the
- 5. Detach the red (+) positive and black (-) negative battery leads by pulling them straight away from the battery terminal.
- 6. Take out the battery or batteries that need to be replaced.

#### **Battery Replacement**

- 1. Place the new battery or batteries back into the battery pack with the battery terminals facing up.
- 2. Attach the two (2) battery leads back to the battery terminals.
  - Attach the red lead to the positive (+) terminal.
  - Attach the black lead to the positive (-) terminal.
- 3. Place the lid back and gently flip the battery pack over with the handle facing down.
- 4. Change and securely tighten all the screws that hold the battery pack together.
- 5. Put the battery pack back onto the scooter and install it securely.

#### BATTERY DISPOSAL AND RECYCLING

In case of a damaged or cracked battery, seal it in a plastic bag immediately and contact your authorized Licht Provider for instructions on how to dispose of it properly. For information on battery recycling, please contact your authorized Licht Provider, as it is our recommended course of action.

### VII. OPERATION GUIDELINES

### BEFORE GETTING ONTO YOUR SCOOTER

- Did you fully charge the batteries? Refer to VI, "Batteries and Charging."
- Check if the manual freewheel lever is in the drive (backward) position. Remember not to leave the manual freewheel lever pushed forward unless you are manually pushing your scooter.
- Check if the tiller lock knob is in the unlocked position. Refer to IX, "Disassembly and Assembly."

### **GETTING ON YOUR SCOOTER**

1. Make sure the key is taken out from the key switch.



WARNING: Never try to board or exit your scooter without first taking the key out of the key switch. By doing this, you prevent the scooter from moving if there's accidental contact with the throttle control lever.

- 2. Position yourself at the side of your scooter.
- 3. Ensure the seat is securely locked in position.
- 4. Sit securely and comfortably in the seat.
- 5. Check and make sure that your feet are safely resting on the floorboard.

### PRE-RIDE ADJUSTMENTS AND CHECKS

- Are you comfortably seated?
- Is the seat adjusted to the correct height?
- Check if the seat is securely locked in position.
- Have you adjusted the tiller to a comfortable setting and securely locked it in place? Refer to Section VIII, "Comfort Adjustments."
- Have you fully inserted the key into the key switch? Check Section V, "Your Journey."
- Is the scooter's horn working properly?
- Is the path you're thinking of taking free from people, pets, and obstacles?
- Did you plan your route to steer clear of difficult terrain and minimize encounters with inclines?

### **OPERATING YOUR SCOOTER**

Once you've mapped out your route:

- Set the speed adjustment dial to your desired speed.
- Use your thumb to press against the preferred throttle control lever.
- Once the electromechanical disc park brake automatically disengages, the scooter seamlessly accelerates to your set speed using the speed adjustment dial.
- Steer your scooter to the left by pulling on the left handgrip.
- Steer your scooter to the right by pulling on the right handgrip.
- Drive straight by moving the tiller to the center position.

## VII. OPERATION GUIDELINES

- Slow down and come to a complete stop by releasing the throttle control lever.
- When your scooter comes to a stop, the electromechanical disc park brake engages automatically.

NOTE: The speed in reverse on your scooter is intentionally slower than the forward speed set with the speed adjustment dial.

### **GETTING OFF OF YOUR SCOOTER**

- 1. Bring your scooter to a full stop.
- 2. Take the key out of the key switch.
- 3. Safely get out of the seat by carefully getting out to either side of your scooter.



### VIII. COMFORT ADJUSTMENTS



WARNING! Before adjusting the tiller or the seat, make sure to remove the key from the key switch. Never make adjustments to the tiller or the seat while the scooter is moving.

#### TILLER ANGLE ADJUSTMENT

The scooter is equipped with an adjustable pivoting tiller, allowing you to tailor it for optimal ergonomic comfort.

- 1. Loosen the tiller by turning the tiller adjustment knob counterclockwise. Refer to Figure 9.
- 2. Adjust the tiller to a comfortable position.
- 3. Secure the tiller by turning the tiller adjustment knob clockwise.



Figure 9. Tiller Adjustment

NOTE: Remove the seat first to lower the tiller to the scooter deck.

### **SEAT ROTATION**

Rotate the seat in 90° increments, choosing from any of the four positions.

- 1. Lift the seat a little by pulling it up.
- 2. Turn the seat 90° or 180° to the right or left, choosing the desired position.
- 3. Lower the seat and check that it's firmly locked in position.

### **SEAT HEIGHT ADJUSTMENT**

You can reposition the seat to different heights. Refer to figure 10.

- 1. Detach the seat from your scooter.
- 2. To pull and detach the detent pin from the lower seat post, use the attached ring.
- 3. Adjust the upper seat post to achieve the desired seat height.
- 4. Align the adjustment holes in the upper and lower seat posts while holding the upper seat post at that height.
- 5. Ensure the detent pin is fully inserted.
- 6. Put the seat back in place.

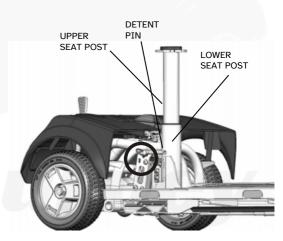


Figure 10. Seat Height Adjustment

### IX. DISASSEMBLY AND ASSEMBLY

### **DISASSEMBLY**

You can disassemble or assemble your scooter without requiring any tools. When disassembling or assembling your scooter, make sure to do so on a level, dry surface with enough working space. Remember that the disassembled parts of a scooter occupy more floor space than the assembled scooter.



WARNING: To prevent personal injury, refrain from lifting weights beyond your capability; ask for assistance during scooter disassembly or assembly when necessary.

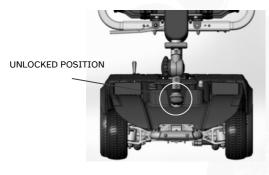
To disassemble the Journey, separate it into four pieces: the seat, the front section, the rear section, and the battery pack. See figure 11.



Figure 11. Disassembled Scooter

Take out the key and put the manual freewheel lever in the backward (drive) position before beginning the scooter disassembly.

- 1. Push the tiller lock knob in and turn it clockwise 90° to lock the front wheel, starting from the unlocked position (see figure 12). View figure 12A.
- 2. To take off the seat, lift it straight up and away from the scooter.



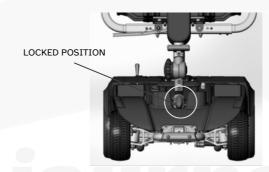


Figure 12. Tiller Lock Knob (Unlocked) Figure 12A. Tiller Lock Knob (Locked)



WARNING: Always check that the tiller lock knob is in the unlocked position before getting onto your scooter. To prevent personal injury, never attempt to ride your scooter with the tiller lock knob in the locked position.

### IX. DISASSEMBLY AND ASSEMBLY

- 3. Detach the battery pack
- Securely attached with a reusable fastener, the battery pack can be lifted up and away from the scooter using the battery pack handle. Refer to figure 13.
- 4. Detach the front-to-rear harness. Refer to figure 14.





Figure 13. Removing Battery Pack

Figure 14. Front-to-Rear Harness

### **Toggle Latch Release**

- 1. While pulling forward on the toggle latch, push in the toggle latch release button. Refer to Figure 15.
- 2. Turn the toggle latch buckle over the top of the toggle latch until it clicks into its retainer. Refer to Figure 15A.

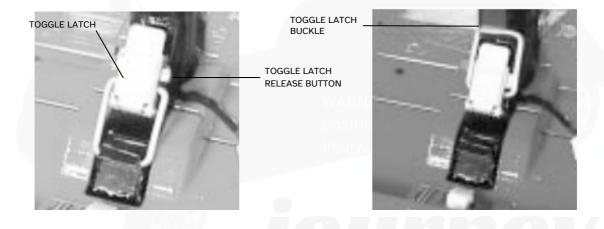


Figure 15. Toggle Latch (Latched)

Figure 15. Toggle Latch (Unlatched)

### IX. DISASSEMBLY AND ASSEMBLY

### **Frame Separation**

- 1. Pivot the scooter's rear section by pushing back on the seat post until it stands vertically on its rear bumper. Refer to Figure 16.
- 2. Raise the front section until the lower pegs are out of the curved locking brackets. See figure 17.



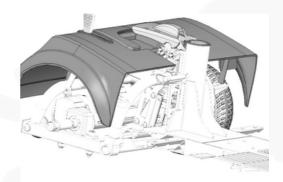


figure 16. Frame Positioning

Figure 17. Frame Lockup

3. Lift the front section away from the rear section with caution. See figure 18.



figure 18. Frame Sections

### **ASSEMBLY**

- 1. Place the front and rear sections of your scooter as illustrated in figure 18.
- 2. Position the lower curved locking brackets of the front section with the corresponding pegs on the front of the rear section. See figure 17.
- 3. Slowly pivot the rear section forward while holding the seat post. Continue doing so until the curved locking brackets are securely connected onto the top rear pegs. Refer to Figure 16.

## X. OPTIONAL ACCESSORIES

### **OPTIONAL ACCESSORIES**

Contact your authorized Licht Provider for information on these and other optional accessories.





Cup Holder (only avaiable for deluxe seat)







**Heated Handgrips** 



\*LED Light

<sup>\*</sup>This is an illustrative picture only. Actual light maybe different.

### XI. TROUBLESHOOTING BASICS

Occasional troubleshooting is normal for any electromechanical device. Luckily, most issues can be resolved with some thought and common sense. Problems often arise due to batteries not being fully charged or being worn down to the point where they cannot retain a charge.

#### What if the motor runs but my scooter does not move?

- If the motor is running but your scooter isn't moving, it might be in freewheel mode.
- Pushing the manual freewheel lever forward disengages the brakes and cuts the power to the motor/transaxle.
- To restore your scooter to normal operation, pull the manual freewheel lever backward.

### What if the main circuit breaker trips repeatedly?

- Repeated trips of the main circuit breaker may be resolved by charging the scooter's batteries more frequently. Refer to VI. "Batteries and Charging."
- If the issue persists, consult your authorized Licht Provider to conduct load tests on both of your scooter's batteries.
- For information on your scooter's battery type, refer to VI. "Batteries and Charging" or IV. "Specifications."

## What if the battery condition meter dips way down and the motor surges or hesitates when I press my scooter's throttle control lever?

- If the battery condition meter dips significantly and the motor surges or hesitates, fully charge your scooter's batteries. Refer to VI. "Batteries and Charging."
- Request your authorized Licht Provider to load test each battery.

#### What if all the systems on my scooter seem to be "dead"?

- Double-check that the key is completely inserted into the key switch.
- Make sure the batteries are fully charged. Check section VI. "Batteries and Charging."
- See to it that the battery pack is seated properly.
- Press the reset button on the main circuit breaker. Refer to section V. "Your Journey."
- Make sure the front-to-rear harness is securely connected.
- Double-check that the power-down timer feature is not activated. See the information below.

### **POWER DOWN TIMER FEATURE**

Your scooter comes with an energy-saving automatic power-down timer feature designed to save energy and extend the battery life. In case the key is accidentally left in the key switch without scooter usage for around 20 minutes, the scooter's controller will shut down automatically.

## XI. TROUBLESHOOTING BASICS

If the power-down timer feature activates, follow these steps to resume normal operation:

- 1. Take out the key from the key switch.
- 2. Put the key back into the key switch.

Should you have any concerns or issues with your scooter that you're unable to solve, contact your authorized Licht Provider for maintenance and service information.



### XII. CARE AND MAINTENANCE

Keep in mind that your scooter needs minimal care and maintenance. Should you feel unsure about performing the maintenance tasks listed below, it's advisable to schedule inspection and maintenance with your authorized Licht Provider. Keep an eye on the following areas for periodic inspection and/or care and maintenance.

### TIRE CONDITION AND TREAD WEAR

- · Check your scooter's tires regularly for signs of wear.
- Apply a rubber conditioner to your scooter's tire sidewalls to aid in preserving them.



WARNING! Avoid using rubber conditioner on the tire tread as it may cause the tires to become dangerously slippery.

### **EXTERIOR SURFACES**

 Applying rubber or vinyl conditioner occasionally can give your bumpers and trim a boost.



WARNING: Refrain from using a rubber or vinyl conditioner on the scooter's vinyl seat, floorboard, or tire tread. These areas may become dangerously slippery if a conditioner is applied, causing personal injury and/or scooter damage.

- Coated with an advanced formula urethane paint, the scooter shroud is also made from durable ABS plastic.
- Applying a light coat of car wax will aid the shroud in maintaining its high gloss.

### WIRING HARNESS

- Consistently inspect the front-to-rear harness insulation for any wear or damage.
- If you discover any damaged connector, connection, or insulation, ensure your authorized Licht Provider repairs or replaces it before using your scooter again.

### AXLE BEARINGS AND THE MOTOR/ TRANSAXLE ASSEMBLY

• All these items are pre-lubricated, sealed, and do not require further lubrication.

### **CONSOLE, CHARGER, AND ELECTRONICS**

- Check your scooter's tires regularly for signs of wear.
- Apply a rubber conditioner to your scooter's tire sidewalls to aid in preserving them.

### XII. CARE AND MAINTENANCE

#### **STORAGE**

When you plan not to use your scooter for an extended period, it's recommended to:

- Before storing your scooter, make sure the batteries are fully charged.
- Detach the battery pack.
- Keep your scooter stored in a warm, dry place.
- Do not store your scooter in locations with extreme temperatures



WARNING: Safeguard your batteries from freezing temperatures at all times, and never attempt to charge a frozen battery. Charging in such conditions can harm the battery and lead to personal injury.

For plans of storing your scooter for an extended period, you can raise your scooter off the ground by placing boards under the frame. Doing so lifts the scooter off the ground, reducing tire weight and the potential for flat spots on tire contact areas.

### XIII. YOUR WARRANTY

### **ONE-YEAR LIMITED WARRANTY**

Within one (1) year from the date of purchase, Licht will, at our discretion, repair or replace without charge to the original purchaser any part of the electronic component found to be defective in material and/or workmanship by an authorized Licht representative.

For warranty service, contact your authorized Licht Provider. Do not send faulty parts back to Licht without obtaining prior consent. The original purchaser bears responsibility for all transportation costs and shipping damage associated with submitting parts for repair or replacement.

### WARRANTY EXCLUSIONS

- Please note that ABS plastic shrouds and footrest covers are wear items and are not covered by the warranty.
- Note that the battery manufacturer provides a six-month limited warranty for the batteries.
- The warranty does not extend to tires and tire tubes as they are considered wear items.
- Upholstery and seating are wear items and are not covered by the warranty.
- Repairs and/or modifications made to any part of the scooter without specific and prior consent from Licht are excluded from warranty coverage.
- Circumstances beyond the control of Licht are not covered by the warranty.
- The warranty does not cover damage caused by battery fluid spillage or leakage, abuse, misuse, accident, or negligence, improper operation, maintenance, or storage, commercial use, or use other than normal.
- The warranty does not cover labor, service calls, shipping, and other charges incurred for the repair of the product.

No other express warranty is provided.

Implied warranties, such as those of merchantability and fitness for a particular purpose, are limited to one (1) year from the date of the original purchase and to the extent in accordance with applicable law.

All implied warranties are excluded, and this serves as the exclusive remedy. Liabilities for consequential damages under any and all warranties are expressly excluded.

All implied warranties are excluded, and this serves as the exclusive remedy. Liabilities for consequential damages under any and all warranties are expressly excluded.

# NOTES

# NOTES





**Technology USA Corporation** 

1040 N 950 W, Suite 500 Centerville, UT 84014