


Product Name	LED & iLED Controllers
Product Image	
Part Number	LED-001 iLED-001
Dimensions & Weight	
Product Description	<ul style="list-style-type: none"> • The LED & iLED Controllers provide advanced, app-integrated control for onboard mood and functional lighting. Designed to enhance vessel safety, aesthetics, and awareness, these controllers respond to system events and alerts while delivering high-performance lighting management for both standard and addressable (iLED) LED strips. • Through the Smart Boat app, lighting can be programmed for colour changes, flashing alerts, or synchronization to audio, providing both practical alerts and immersive ambient lighting
Key Features	<p>Lighting Control</p> <ul style="list-style-type: none"> • Mood & Functional Lighting Control cabin, deck, and accessory LEDs via app • High Current Capacity Up to 14A per channel, leading performance in the marine market • iLED Support Manage individually addressable LED strips for advanced lighting effects <p>Event & Alert Integration</p> <ul style="list-style-type: none"> • Alert Responses Lighting can change colour or flash based on system alerts (e.g., bilge pump failure triggers saloon LEDs to flash red) • App-Based Configuration Full setup, scene creation, and alert behaviour managed via the Smart Boat app <p>Audio Synchronization</p> <ul style="list-style-type: none"> • Audio Inputs Synchronize lighting effects to music or beats, enhancing mood lighting and entertainment experiences <p>Future Expansion</p> <ul style="list-style-type: none"> • LED4 Controller (Coming Soon) Supports underwater lighting for decks, hulls, and accents

	<ul style="list-style-type: none"> Fully integrated with Smart Boat ecosystem for automated or manual control
Customer Benefits	<ul style="list-style-type: none"> Enhanced Safety Visual alerts complement audible alarms for critical systems Immersive Ambience Create mood lighting throughout the vessel with precise colour control High Performance High-current channels allow larger installations without external boosters Flexible Integration Works with all Smart Boat modules and app functionality
Use Cases	<ul style="list-style-type: none"> System Alerts Flash lights in response to bilge pumps, battery issues, or other monitored systems Mood Lighting Cabin, cockpit, or deck lighting customized for ambience or events Music Synchronization Animate lights in time with music for entertainment iLED Effects Individually addressable LED strips allow dynamic lighting sequences
SmartBoat Ecosystem Context	<p>The LED & iLED Controllers are the visual feedback layer of the Smart Boat ecosystem, providing both ambient lighting control and alert-driven visual notifications. Fully integrated with the Smart Boat app, they bring safety, style, and interactive experiences to every connected circuit.</p>
Installation & Integration	<p>Designed for competent DIY installers and marine professionals, the system:</p> <ul style="list-style-type: none"> Compatible with standard marine LED wiring and RGB/iLED strips Configurable through Smart Boat app for both standalone and automated operation Integrates with Terminal Controllers, Relay Controllers, and SmartBox for event-based control <p>Designed for surface or Din Rail mounting</p>