

# Marineland® Pro Lighting Inspection Record

Model #:  32980 (2')     32981 (3')     32982 (4')     32983 (5')     32984 (6')

Serial #: 12#402194    Lotcode #: 5D31    Revision A

Record Lotcode Numbers for the following components before installation:

HID ballast(s): 1) 2#472AH 2)    3)

	Inspection	Results		Inspection	Results	
1) Internal Inspection (In-line)	1.1) Ends of all three housing extrusion sections aligned	<input checked="" type="checkbox"/> OK	3) Electrical & Functional Test (Final)	3.1) Burn-in complete	<input checked="" type="checkbox"/> OK	
	1.2) Threadlock adhesive applied to threads of all machine screws/T-nuts	<input checked="" type="checkbox"/> OK		3.2) Ground connection to all sections of housing $\leq 0.1\Omega$	<input checked="" type="checkbox"/> OK	
	1.3) All internal fasteners properly tightened to the correct torque values	<input checked="" type="checkbox"/> Fan(s) <input checked="" type="checkbox"/> Ballast(s) <input checked="" type="checkbox"/> Driver(s) <input checked="" type="checkbox"/> Sockets <input checked="" type="checkbox"/> Brackets		4) Visual Inspection (Final)	3.3) Timer buttons operate lights (ensure all bulbs are illuminated)	HQI <input checked="" type="checkbox"/> OK T5 <input checked="" type="checkbox"/> OK LED <input checked="" type="checkbox"/> OK
	1.4) Fan blade(s) not obstructed and rotate freely	<input checked="" type="checkbox"/> OK			3.4) Hipot leakage current OK	<input checked="" type="checkbox"/> OK
	1.5) Fan(s) centered with extrusion opening(s)	<input checked="" type="checkbox"/> OK		3.5) Total power consumption (Watts) does not exceed MAX. spec.	<input checked="" type="checkbox"/> OK	
	1.6) Fan brackets installed in correct orientation	<input checked="" type="checkbox"/> OK		Inspector Acceptance (Inspector # or stamp)	OK: <u>4250</u>	
	1.7) Wire insulation undamaged	<input checked="" type="checkbox"/> OK		5) Packaging Inspection	4.1) Lenses and reflectors free of scratches, dirt, oil and fingerprints	<input checked="" type="checkbox"/> OK
	1.8) Wire color codes correct	<input checked="" type="checkbox"/> OK			4.2) Painted surfaces free of scratches, dirt, oil and fingerprints	<input checked="" type="checkbox"/> OK
	1.9) Wire gages correct	<input checked="" type="checkbox"/> OK			4.3) Plastic components (end caps, etc) not cracked, scratched or discolored	<input checked="" type="checkbox"/> OK
	1.10) Wires not pinched between brackets hardware/housing	<input checked="" type="checkbox"/> OK			4.4) All externally accessible hardware is present, and tightened to the specified torque values	<input checked="" type="checkbox"/> OK
	1.11) Protective sheathing installed over wires (as needed)	<input checked="" type="checkbox"/> OK	4.5) HID bulbs <b>not</b> installed (HID bulbs shipped in accessory box)		<input checked="" type="checkbox"/> OK	
	1.12) Thermal protection switches (fan and over-temperature) securely attached in correct locations	<input checked="" type="checkbox"/> OK	4.6) Foam blocks installed between T5 bulbs		<input checked="" type="checkbox"/> OK	
	1.13) Correct LED Driver(s) installed (see BOM)	<input checked="" type="checkbox"/> OK	4.7) Timer fits securely in housing, and display is undamaged		<input checked="" type="checkbox"/> OK	
	1.14) T5 bulbs securely installed in lampholders	<input checked="" type="checkbox"/> OK	4.8) Line cord is correct length		<input checked="" type="checkbox"/> OK	
	1.15) Protective mylar film removed from the HID reflector	<input checked="" type="checkbox"/> OK	4.9) Line cord not damaged		<input checked="" type="checkbox"/> OK	
	1.16) All reflectors clean	<input checked="" type="checkbox"/> OK	4.10) No detached (stray) hardware		<input checked="" type="checkbox"/> OK	
	1.17) No detached (stray) hardware	<input checked="" type="checkbox"/> OK	4.11) Serial number label clear/legible		<input checked="" type="checkbox"/> OK	
	1.18) All connectors secure	<input checked="" type="checkbox"/> OK	4.12) Product ID label clear and legible	<input checked="" type="checkbox"/> OK		
	1.19) All wire crimps secure	<input checked="" type="checkbox"/> OK	4.13) Marineland badge securely attached	<input checked="" type="checkbox"/> OK		
	1.20) All solder joints secure	<input checked="" type="checkbox"/> OK	Inspector Acceptance (Inspector # or stamp)	OK: <u>3161</u>		
	1.21) No exposed wire conductors	<input checked="" type="checkbox"/> OK	2) In-line Electrical & Functional Test	5.1) Sales label not damaged and print quality and graphics acceptable	<input checked="" type="checkbox"/> OK	
Inspector Acceptance (Inspector # or stamp)	OK: <u>4250</u>	5.2) Sales barcode scans correctly and scan quality $\geq$ grade C		<input checked="" type="checkbox"/> OK		
2.1) Resistance between line cord ground pin and each of the three housing extrusions $\leq 0.1\Omega$	<input checked="" type="checkbox"/> OK	5.3) Shipper carton barcode $\geq$ grade C		<input checked="" type="checkbox"/> OK		
2.2) Hipot leakage current OK	<input checked="" type="checkbox"/> OK	5.4) Foam inserts in place between sales box and shipper carton		<input checked="" type="checkbox"/> OK		
2.3) Thermal switch engages fan	<input checked="" type="checkbox"/> OK	Owner's manual enclosed in carton:		Owner's manual <input checked="" type="checkbox"/> OK QSUG <input checked="" type="checkbox"/> OK HID bulbs <input checked="" type="checkbox"/> OK Legs (x2) <input checked="" type="checkbox"/> OK Trim strip <input checked="" type="checkbox"/> OK		
2.4) Timer buttons operate lights (ensure all bulbs are illuminated)	HQI <input checked="" type="checkbox"/> OK T5 <input checked="" type="checkbox"/> OK LED <input checked="" type="checkbox"/> OK			Inspector Acceptance (Inspector # or stamp)	OK: <u>3161</u>	
2.5) Total power consumption (Watts) does not exceed MAX. spec.	<input checked="" type="checkbox"/> OK					

**Enclose this completed checklist in the Owner's Manual / literature bag before sealing carton.**