

Feature	E-LEDLIGHTING / MAST PRODUCTS	Generic LED Floodlight	Benefit
LIGHT HOUSING			
Finish	Double Powder-Coating	Painted	Powder-Coating offers better resistance to corrosion
Bracket	316-Stainless Steel	Aluminum	SS-bracket to resist corrosion
Fastener	All 316-Stainless Steel	304-SS	316-SS offer superior resistance to corrosion
Gasket	Honeycomb Composite Rubber	Silicone	Retains sealing properties for the life of the fixture
Glass	Tempered Low-Iron	Standard Glass	Offers superior resistance to breakage
Cable Gland	UL-Approved Plastic - 20 mm	Chrome Plated Copper	Larger size allows using on-board wire size
Pressure Compensation	Gore-Tex Membrane Integrated into Gland	None	Eliminates fogging up due to temperature fluctuation
IP Rating	IP-67	None Listed	insures integrity in severe marine environments

LED			
Chip Source	USA	Not Stated - Unknown	More rigid QC with certainty of specification
Output - Lumens per watt	70 Lumens/Watt	55-Lumens/Watt	More illumination output with the same input
Light Output in Lumens	3500-Lumens	2750-Lumens	Better efficiency , more Light
Color of Output	3900K	6970K	3900K Preserves depth perception, increases CRI
CRI Index	>80	Stated as N/A	80+ Provides natural rendition of color

DRIVER			
Electronic Interference	Sine Wave Tested, Non-Interference	Not Stated	Can disturb on-board sine wave power
Driver Isolation	Shielded to prevent leakage-free of mass	Not Stated	Minimal leak can effect component electrolysis
Driver Mounting	Shock mounted to isolate from vibration	Hard Mounted to light	Protects driver to insure long life
Operating Voltage	85-265VAC - 50/60Hz	90-240VAC - 50/60Hz	Wider range to survive on-board voltage variations

CERTIFICATES & COMPLIANCES			
CE	B-E09110908	Not Specified	Built to international specifications
EMC Directive	204/108/EC	None Specified	EMI/RFI standards to prevent electronic interference
UL Compliance	UL1993	None Specified	Built to US specifications

DESIGN, MANUFACTURE & DISTRIBUTION			
Design Location	Holland by Mast Products	Unknown	Constant incorporation of design improvements
Final Assembly	Holland by Mast Products	China	European QC with rigid adherence to specifications
USA Representative	Florida, USA by Marine Lighting Products	Unknown	US shipments - local representation
Distribution	Beck Electric Supply	Unknown	US shipments - local distribution
Warranty	Florida, USA by Marine Lighting Products	Unknown	Local warranty, parts and service

“It looks the same, but it is not”

This comparison chart has been generated in an effort to illustrate the vast performance and quality differences between the E-LEDLIGHTING / MAST PRODUCTS fixtures and the typical generic floodlight manufactured and assembled in China. The average LED floodlight, as you will surmise from the attached comparison chart, is built to a price rather than to a performance standard. The average LED floodlight will not survive the marine environment and is not aptly suited to that purpose.

The only component that is identical in the E-LEDLIGHTING / MAST PRODUCTS floodlight and the average unit is the housing. These are mass produced and then fitted with components of varying quality. Every component used in our fixture is specially selected to withstand the harshest of marine environments.

While stated, but not explained on the chart, the LED and driver are optimized for use aboard commercial vessels. The color of the LED is selected to provide the most natural color rendition along with enhanced perception of depth. The driver is also isolated, shielded and tested to ensure that it does not leak voltage that would cause electrolysis, propagate EMI or RFI that could affect other on-board electronics.