

Malibu Series



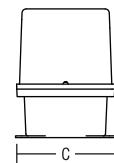
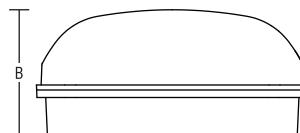
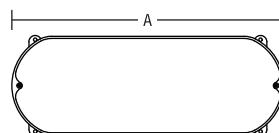
Project:	
Type:	
Catalog#:	

Internal Usage

The Malibu Series has a 120/277V input and designed to perform in applications where the environment would punish any standard unit. The entire internal cavity is protected from moisture ingress by an extremely resilient gasket. The gasketing always holds its original form and has "memory retention" so that it effectively and consistently protects the Malibu Series from moisture. The standard lead acid battery or optional nickel cadmium battery provides a minimum emergency duration of 90 minutes.

External Usage

The Malibu Series is constructed from .100" thick, heavy duty cast aluminum. Stainless steel tamper resistant screws are standard and ensure the integrity of the battery unit. The Malibu Series comes standard in an industrial gray color although custom color options are available upon request. The Malibu Series comes standard with an LED status indicator and test switch under the lens. The lens is constructed from a vandal resistant polycarbonate for maximum durability. Lamp and reflector assemblies are offered in a fully adjustable, high output MR16 halogen or LED configurations. Universal mounting pattern and key hole slots are cast into the backplate. Stainless steel mounting straps are supplied for surface mounting.



Series	A"	B"	C"
Malibu	16.25" 413mm	7.5" 191mm	6" 152mm

NEMA 4X | WET | IP66 | COLD | VANDAL RESISTANT



Series	Operation	Pb-A (Capacity)	Ni-Cd (Capacity)	Lamp Type	Options
Malibu	6 (6V)	12 (6V)	22 (6V)	See lamp selection	AM* (ammeter)
	12 (12V)	18 (6V)	42 (6V, 12V)	guide on next page	AT ¹ * (autotest)
		27 (6V, 12V)			CC (custom color)
		36 (6V, 12V)			FAI ² * (fire alarm interface)
		60 (6V, 12V)			HHC* (handheld controller)
					IH* (internal heater- specify AC)
					IRT* (infrared testing- specify voltage)
					MT (magnetic test switch)
					NC ³ (nickel-cadmium battery)
					VM* (voltmeter)
					WG (wireguard)

NOTE 1: Includes an automatic time delay function specify 0, 5, 10 or 20 mins.

NOTE 2: Specify type- open/closed dry contact.

NOTE 3: NC (select wattage/voltage from Ni-Cd column).

NOTE *: Only available in units 42W and under.

EXAMPLE: BRV-6-36-MR16-10W-AT

DESCRIPTION: 6V, 36W, 10W MR16 lamps, 120/277V, autotest

Malibu Series



Specifications: Electrical

BATTERY: The Malibu Series is designed with a maintenance free, sealed valve regulated lead acid battery that provides a minimum emergency duration of 90 minutes. Recharge time of the battery is forty-eight [48] hours. An optional Nickel-Cadmium battery is available. The battery operating temperature without the internal heater/thermostat option is 40°C maximum and 10°C minimum; with the internal heater (IH) option the minimum battery operating temperature is -20°C.

CIRCUIT: The Malibu Series utilizes a high-efficiency two stage charger providing precise float voltage control with low voltage disconnect protection. All components used in the circuitry are temperature compensated. The charger also has brownout and short circuit protection. Charger status is easily determined via a dual diagnostic LED display which indicates AC/ON and High Charge. A magnetic test switch allows maintenance personnel to quickly determine the operational status of the unit and lamp load.

Specifications: Mechanical

The Malibu Series is constructed from a durable, fully gasketed die-cast aluminum housing and a 0.125" polycarbonate lens. Universal mounting pattern and key hole slots are cast into the mounting backplate. Stainless steel mounting straps are supplied for surface mounting. Lamp loads are connected to the emergency power supply with sturdy terminal connectors. These connectors allow for a large gauge of wire to be used, increasing the flexibility of installation. The Malibu Series is supplied standard in a durable gray powder coat, baked finish. Other colors are available, including color matching, please specify. CSA C22.2 No. 141 Performance Certified.

Specifications: Extreme Weather

The Malibu Series has been designed to perform in applications where the environment would punish any standard unit. The entire internal cavity is protected from moisture ingress by an extremely resilient gasket. The gasketing always holds its original form and has "memory retention" so that it effectively and consistently protects the Malibu Series from moisture.

Sanitation Listed (SL)

The Malibu Series is sanitation approved. The Intertek verified splash zone listing is equivalent to the NSF Standard 2, meeting the rigorous sanitation, electrical safety and performance standards of food service environments.

Autotest

The Autotest automatically initiates a five minute discharge/diagnostic test every month and two 90-minute discharge/diagnostic tests every 6 months. Twenty-four hours following the first 6 month test, the unit retests again to ensure that the charger has completely recharged the battery. The lamps and connected remote load will come on during these tests. The tests exercise the battery to optimize its capacity and analyse the unit's emergency operation performance. Any malfunction of the transfer circuit, batteries or emergency lamps will cause the multi-colour DIAGNOSTIC LED on the unit to indicate the problem. The DIAGNOSTIC indications will remain latched (stay on) in the system until corrected or reset.

	Steady Green :	Normal Operation
	Flashing Green :	AC Interruption in Last 48 Hours
	Steady Yellow :	Lamp Circuit Malfunction
	Flashing Yellow :	Auto-test or Manual Test in Progress
	Steady Red :	Battery Failed Testing
	Flashing Red :	Battery Disconnected or Charger Malfunction

Lamp Selection:

	6V	12V
MR16	5W, 10W	10W, 12W, 20W
LED-MR16	5W	5W, 7W

Model Rating Guide

Model	Voltage	Wattage			
		90min	120min	180min	240min
Malibu-6-18	6	18	13	9	6
Malibu-6-22-NC	6	22	16	11	8
Malibu-6-36	6	36	27	18	13
Malibu-6-42-NC	6	42	31	21	15
Malibu-6-54	6	54	41	27	20
Malibu-6-60	6	60	45	30	22
Malibu-12-36	12	36	27	18	13
Malibu-12-42-NC	12	42	31	21	15
Malibu-12-60	12	60	45	30	22

Warranty

The Malibu Series comes with a 3-year factory warranty. Deliberate damage, misuse, improper installation effectively cancel the warranty.