



Job Name: _____

Type: _____

Part #: _____

Notes: _____

LSBVR

NEMA 4X | WET | IP66 | COLD
VANDAL RESISTANT

SPECIFICATIONS: INTERNAL

The LSBVR 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 LSBVR from moisture. The standard lead acid battery or optional nickel cadmium battery provides a minimum emergency du-ration of 90 minutes.

SPECIFICATIONS: EXTERNAL

The LSBVR 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 LSBVR comes standard in an industrial gray color although custom color options are available upon request. The LSBVR 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.

SPECIFICATIONS: MECHANICAL

The LSBVR is constructed from a durable, fully gasketed diecast 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 or installation. The LSBVR 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 LSBVR 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 LSBVR from moisture.



SANITATION LISTED (SL)

The LSBVR 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.

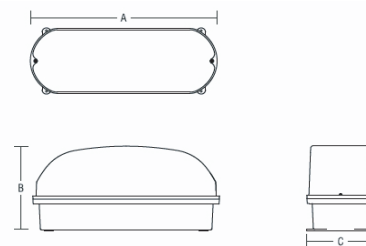
AUTOTEST

See next page for details.

WARRANTY

The LSBVR comes with a 5-year factory warranty. Deliberate damage, misuse, improper installation effectively cancel the warranty.

DIMENSIONS



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

ORDERING INFORMATION

Sample Part Number: LSBVR-6-36-MR16-10 W-AT

MODEL	OPERATION	Pb-A (Capacity)	Ni-Cd ³ (Capacity)	Lamps	OPTIONS
LSBVR	6V	12(6V)	22 (6V)	See Chart on Next Page	AT* (autotest) AM ^{1*} (ammeter) CC (custom color) IH (internal heater) FAI ^{2*} (fire alarm interface) HHC* (handheld controller) IRT* (infrared testing) MT (magnetic test switch) NC ³ (nickle-cadium battery) VM (voltmeter) WG (wireguard)
	12V	18 (6V) 27 (6V, 12V) 36 (6V, 12V) 60 (6V, 12V)	42 (6V, 12V)		

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.

2021.09



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SPECIFICATIONS: ELECTRICAL

BATTERY: The LSBRV 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) op-tion the minimum battery operating temperature is -20°C.

CIRCUIT: The LSBRV 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 com-pensated. 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 al-lows maintenance personnel to quickly determine the operational sta-tus of the unit and lamp load.

AUTOTEST

The LSL 24/7 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 per-formance. Any malfunction of the transfer circuit, batteries or emer-gency 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
LSBRV-6-18	6	18	13	9	6
LSBRV-6-22-NC	6	22	16	11	8
LSBRV-6-36	6	36	27	18	13
LSBRV-6-42-NC	6	42	31	21	15
LSBRV-6-54	6	54	41	27	20
LSBRV-6-60	6	60	45	30	22
LSBRV-12-36	12	36	27	18	13
LSBRV-12-42-NC	12	42	31	21	15
LSBRV-12-60	12	60	45	30	22