

Bravado Unit Die-cast Aluminum Battery Unit



Job/Location: _____

Contractor: _____ Prepared By: _____

Model Number: _____ Date: _____



VANDAL RESISTANT DESIGN

The **BRAVADO** series of vandal resistant emergency lighting units are designed to stand up to abuse in applications such as schools, public areas, institutions and apartment complexes where vandalism may potentially occur. The heavy die-cast aluminum body and polycarbonate lens offer extreme protection and superior performance. Tamper resistant screws are standard and ensure the integrity of the battery unit.

LAMP SELECTION

	6V	12V
MR16	N/A	20, 35, 50W
LED-MR16	5, 7W	2, 5, 7W

INSTALLATION

The **BRAVADO** unit is suitable for surface wall and ceiling mounting. Suitable for NEMA 4X, IP66 installations.

ORDERING INFORMATION

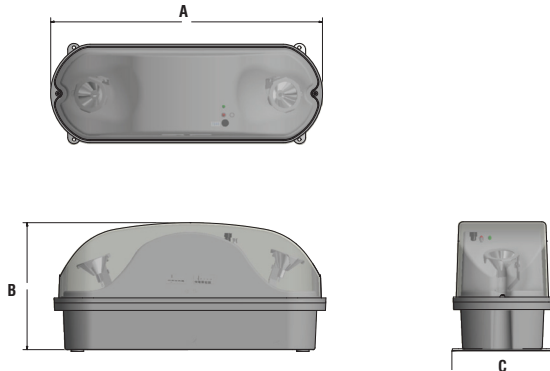
Series	Operation	Capacity	Lamp Type	Options
BRV	6 (Volt DC)	See modal rating guide	See lamp Selection	NC (Ni-Cd batteries, see guide)
	12 (Volt DC)			WG (Wireguard)
				AT (Auto-test self-diagnostics)
				*TD (Time delay– specify 0, 5, 10 or 20 minutes)
				A (Ammeter)
				HTR (Internal heater - specify AC voltage)
				V (Voltmeter)
				ATA (Auto-test alarm)
				**FAI (Fire alarm interface - specify)
				IRT (Infrared remote)
				HHC (Handheld controller)
				*RFS (Radio frequency suppression) – specify AC
				MT (Magnetic test switch)

NOTE: *Only available in units 120W and under **Specify open/closed/6-24 VAC

EXAMPLE: BRV-12-90-MR16-20W-AT

DESCRIPTION: Bravado, 12V, 90W, 20W MR16 lamps, 120/347V, with Auto-test

DIMENSIONS (MM, IN.)



Series	A	B	C
BRV	413mm	191mm	152mm
	16 1/4"	7 1/2"	6"

EXTERNAL SPECIFICATIONS

The **BRAVADO** series is constructed from .100" thick, heavy duty cast aluminum. Tamper resistant screws are standard and ensure the integrity of the battery unit. The **BRAVADO** series comes standard in an industrial gray colour although custom colour options are available upon request. The **BRAVADO** comes standard with an LED status indicator and test switch under the lens. Lamp and reflector assemblies are offered in a fully adjustable, high output MR16 halogen or LED configuration. Stainless steel mounting straps are supplied for surface mounting.

EXTREME CLIMATE DESIGN

The **BRAVADO** has been designed to perform in applications where the environment would punish any standard unit. The entire internal cavity of the sign 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 **BRAVADO** from moisture.

SANITATION LISTED (SL)

Equivalent to the NSF standard 2, the **BRAVADO** is suitable for use in food equipment environments.

BEGHELLI AUTO-TEST (AT)

The Beghelli auto-test system automatically performs one 5 minute discharge test monthly and every 6 months it performs two 30 minute discharge tests, 24 hours apart. This tests both full battery capacity and recharge capability. The information is communicated simply and intuitively to maintenance personnel via a single multi-colour LED.

MODEL RATING GUIDE

Model	Voltage (output)	Wattage Rating		
		30min	90min	120min
BRV-6-36	6	36	18	10
BRV-6-50	6	50	18	15
BRV-6-50-NC	6	50	22	18
BRV-6-72	6	72	27	22
BRV-6-80	6	80	27	24
BRV-6-90	6	90	36	27
BRV-6-100-NC	6	100	42	35
BRV-6-160	6	160	60	48
BRV-12-36	12	36	N/A	10
BRV-12-72	12	72	27	22
BRV-12-90	12	90	36	27
BRV-12-100-NC	12	100	45	35
BRV-12-120	12	120	65	36
*BRV-12-150	12	150	65	45

*NOTE: Not available with all options

CHARGER SPECIFICATIONS

The **BRAVADO** 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. An internal push button test switch allows maintenance personnel to quickly determine the operational status of the unit and lamp load.

MECHANICAL SPECIFICATIONS

The **BRAVADO** is constructed from a durable, fully gasketed die-cast aluminum housing rated for NEMA 4X and IP66. 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 **BRAVADO** is supplied standard in a durable gray powder coat, baked finish. Other colours are available, including colour matching, please specify. CSA 22.2 No. 141-15 Performance Certified.

BATTERY TECHNOLOGY

The **BRAVADO** series is designed with a maintenance free, sealed valve regulated lead acid battery that provides a minimum emergency duration of 30 minutes. Ni-Cd batteries are optional. Recharge time of the battery is less than twenty-four [24] hours. The maximum battery operating temperature is +40°C and the minimum is +10°C.