



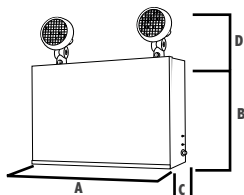
LAMP SELECTION: (SEALED BEAM ONLY IN LR PAR36 STYLE HEAD)

	6V	12V	24V
Composite Tungsten	9, 12, 25W (18W - PAR36 only)	9, 12, 18W (25W - PAR26 only)	9, 18W
Composite Quartz (Q)	8, 10, 12, 20W	8, 12, 20, 35W (55W PAR36 only)	12, 20W (70W - PAR 36 only)
Sealed Beam Tungsten	9, 12, 18, 25, 30W	12, 18, 25, 30, 35, 50W	N/A
Sealed Beam Quartz (QSB)	8, 12, 20W	8, 12, 30W	N/A
MR16 (BTMR)	N/A	10, 12, 20, 35, 50W	20, 35, 50W

INSTALLATION

The **NOVA** unit is suitable for surface wall mounting. Suitable for indoor installation.

DIMENSIONS (MM, IN.)



ORDERING INFORMATION

Cabinet	Wattage	A	B	C	D
#1	(6V 18-50W) (12V 36-72W)	12" (305mm)	4 ³ / ₄ " (119mm)	2 ³ / ₈ " (58mm)	
#2	*(12V L-Cab 36-72W) (6V 80-160W) (12V 100W)	10" (254mm)	9" (229mm)	3 ¹ / ₄ " (83mm)	
#3	(12V 160-200W) (24V 144-200W)	14 ³ / ₄ " (385mm)	9 ⁵ / ₈ " (241mm)	4 ¹ / ₄ " (105mm)	
#4	(12V 250-360W) (24V 320W)	13" (330mm)	10" (254mm)	8" (203mm)	
#5	(24V 360-720W)	18" (457mm)	10" (254mm)	8" (203mm)	
SR	*NOTE: larger style cabinet				+ 4 ¹ / ₄ " (108mm)
LR					+ 6" (152mm)
BTMR					+ 3 ¹ / ₂ " (89mm)

PRODUCT OVERVIEW

The **NOVA** series of emergency lighting units are a family of specification grade 6, 12 and 24 volt battery units designed with the PulseGuard pulse switching charger. The PulseGuard offers superior performance and energy efficiency versus conventional constant voltage chargers. Traditional top mounted PAR18 small style heads are standard, PAR36 large heads or MR16 BTMR style heads are optional.

EXTERNAL SPECIFICATIONS

The **NOVA** series is constructed with a 20 gauge steel cabinet. Magnum terminal connectors allow for larger gauge wires to be connected for remote loads. White finish is standard (other colours optional). Emergency lighting heads are molded from high impact thermoplastic in a matching colour; SR PAR18 small style are standard, LR PAR36 large style or white steel BTMR heads utilizing MR16 lamps are also an available option. Universal mounting pattern and key hole slots are stamped on the back and conduit knockouts on the sides of each unit.

MECHANICAL SPECIFICATIONS

The **NOVA** is constructed with a solid and durable 20 gauge steel housing. The universal mounting pattern stamped into the back of the unit allows for direct mounting to various conduit boxes. Key hole slots are also provided for additional mounting possibilities. Stamped conduit knockouts and a 120VAC removable line cord are supplied standard on all **NOVA** units, providing the widest range of options for AC power source connection. Remote lamp loads are connected to the emergency power supply with sturdy magnum terminal connectors. These connectors allow for a large gauge of wire to be used increasing the flexibility of installation. The **NOVA** is supplied standard in a durable white powder coat, baked finish. Other colours are available, including custom colour matching, please specify.

BATTERY TECHNOLOGY

The **NOVA** series is designed with a maintenance free, sealed valve regulated lead acid battery that provides a minimum emergency duration of 30 minutes (for the listed rating). Recharge time of the battery is twenty-four [24] hours.

ORDERING INFORMATION

Series	Operation	Capacity (W)	Heads	Lamp Type	Options	Options (cont'd)
NV	6 (Volt DC)	See model	0 (None)	See lamp	CC (Custom colour - specify)	A (Ammeter)
	12 (Volt DC)	rating guide	1SR (PAR18, 1 head)	selection	*TLP (Twist lock plug - specify type)	V (Voltmeter)
	24 (Volt DC)		2SR (PAR18, 2 heads)		*CT (Remote load cable cord set)	*TD (Time delay)
			1BTMR (MR16, 1 head)		OBM (Octagon box mount-no LC)	LD (Lamp disconnect)
			2BTMR (MR16, 2 heads)		FD5 (5 circuit fuse distribution)	WG (Wireguard)
			1LR (PAR36, 1 head)		*AT (Auto-test self-diagnostics)	ACTB (Terminal block AC)
			2LR (PAR36, 2 heads)		*RFS (Radio frequency suppression)	DCTB (Terminal block DC)
					*IRT (Infra-red remote test)	BD (Battery disconnect)
					MS (Mounting shelf)	277V (277VAC input)
					HHC (Hand held controller)	

*NOTE: AC voltage must be specified

EXAMPLE: NV-12-72-2SR-9W-V

DESCRIPTION: Nova emergency only battery unit, 120/347AC Input, 12VDC Output, 72W for 30 minutes 2 PAR18- 9W lamps, voltmeter

CHARGER SPECIFICATIONS

The **NOVA** utilizes a pulse switching charger that is up to 70% more efficient than older constant voltage chargers. The charger is a fully automatic current limited charger with solid state line-latched 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 external push button test switch allows maintenance personnel to quickly determine the operational status of the unit and lamp load.

LAMP HEAD FEATURES

The **NOVA** series units are normally supplied with two [2] top mounted PAR18 small style 9 watt heads. Lamp heads can be mounted either on the top or on the sides of the unit allowing for up to five [5] heads to be mounted on the largest units (3 top, 2 sides). PAR18 & PAR36 lamp heads are constructed of high impact thermoplastic in a colour matching the finish of the cabinet (white is standard). Both head types feature a unique locking twist collar that securely holds the lens and facilitates quick and easy re-lamping. The MR16 BTMR heads are constructed of white metal.

BEGHELLI AUTO-TEST (AT) - OPTIONAL

Beghelli self-test system meets all Canadian Building and fire code requirements for testing and is as simple as a traffic light! 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, as required by the fire code. The information is communicated simply and intuitively to maintenance personnel via a single multi-colour LED. When the LED is green the unit is functioning normally.

If the LED is yellow there is a malfunction in the lamp circuit. A red LED indicates a battery or charger problem, including low battery capacity. The Beghelli auto-test system also includes an automatic 10 minute time delay function to allow for HID lighting to “warm-up”.

Single Multi-Colour LED

- Red: Battery or Charger Malfunction
- Yellow: Lamp Malfunctioning
- Green: Normal Operation

*Note: Cabinet number may change based on your option combination. Consult factory for details.

MODEL RATING GUIDE

Model	Voltage (Output)	Wattage Rating				Cabinet
		30mins.	60mins.	120mins.	240mins.	
NV6-18	6	18	9	NA	NA	#1
NV-6-24	6	24	12	NA	NA	#1
NV-6-36	6	36	18	9	NA	#1
NV-6-50	6	50	25	12	NA	#1
NV-6-80	6	80	40	20	10	#2
NV-6-100	6	100	50	25	12	#2
NV-6-160	6	160	80	40	20	#2
NV-6-180	6	180	90	45	23	#3
NV-12-36	12	36	18	9	NA	#1
NV-12-50	12	50	25	12	NA	#1
NV-12-72	12	72	36	18	9	#1
NV-12-36-L-Cab	12	36	18	9	NA	#2
NV-12-50-L-Cab	12	50	25	12	NA	#2
NV-12-72-L-Cab	12	72	36	18	9	#2
NV-12-100	12	100	50	25	12	#2
NV-12-160	12	160	80	40	20	#3
NV-12-200	12	200	100	50	25	#3
NV-12-250	12	250	123	62	30	#4
NV-12-360	12	360	180	90	45	#4
NV-24-144	24	144	72	36	18	#3
NV-24-200	24	200	100	50	25	#3
NV-24-320	24	320	160	80	40	#4
NV-24-550	24	550	275	135	62	#5
NV-24-720	24	720	360	180	90	#5