



PRODUCT OVERVIEW

The VDR series of emergency lighting units are constructed from durable and secure polycarbonate and 18 gauge steel. The VDR has been designed with the PulseGuard pulse switching charger. The PulseGuard offers superior performance and energy efficiency versus conventional constant voltage chargers. Single or double 10 watt halogen lamps can be ordered. Tamper resistant hardware is standard.

EXTERNAL SPECIFICATIONS

The VDR series is constructed with an 18 gauge steel housing and impact resistant polycarbonate diffuser. White powder coat finish is standard (other colors optional). Internal emergency light source available configured with single or double 10 watt halogen lamps. Conduit knockouts are located on (3) three sides and the back of each unit. External test switch and monitor LED are standard.

INTERNAL SPECIFICATIONS

The VDR series is configured with universal 120/277 VAC input with solid state charging circuitry. Standard features include low voltage disconnect, AC lockout and brownout protection.

INSTALLATION

The VDR emergency luminaire is suitable for surface wall or ceiling mounting. Suitable for indoor installations. 120/277VAC.

ORDERING INFORMATION

Series	Model	Operation	Capacity	Heads	Options
VDR	HT (AC only)	6 (volt DC)	12 (6V)	110 (single 10W)	AT (auto-test daignostics)
	SA (AC & Emergency)	12 (volt DC)	22 (6V, 12V)	210 (Double 10W)	TD (time delay-specify voltage)
					NC (nickel-cadmium battery)
					FP (food prep lens)
					VM (voltmeter)

VDR BUILDER

Series	Model	Operation	Capacity	Heads	Options

EXAMPLE: VDR-SA-6-22-210
 DESCRIPTION: VDR series luminaire, AC & Emergency only, 120/277, 2x10W halogen lamps.

Note: When ordering HT version (AC only), do not specify operation/capacity.

JOB:	TYPE:
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MECHANICAL SPECIFICATIONS

The **VDR** is constructed with a durable 18 gauge steel housing and impact, corrosion and flame resistant polycarbonate diffuser. Stamped conduit knockouts are located on (3) three sides and the back of the **VDR** unit. The **VDR** is supplied standard in a durable white powder coat, baked finish. Other colors are available, including custom color matching, please specify. External test switch and monitor LED are standard.

CHARGER SPECIFICATIONS

The **VDR** series utilizes a pulse switching charger that is up to 70% more efficient than traditional 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 **VDR** series is normally supplied with (1) one or (2) two internally mounted 10 watt halogen lamps. Please specify the lamp configuration required when ordering.

BATTERY TECHNOLOGY

The **VDR** series is designed with a maintenance free, sealed valve regulated lead acid battery that provides a minimum emergency duration of 90 minutes (for the listed rating). Recharge time of the battery is twenty-four (24) hours. The maximum working temperature is 50° C.

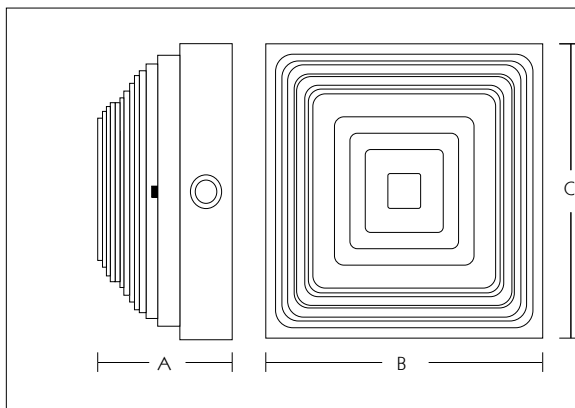
BEGHELLI AUTO-TEST (AT)

The **VDR** auto-test feature automatically monitors the functional operation of the unit. Auto-test monitors the operation of the lamps, battery and circuitry and displays any alerts. Periodic emergency tests, up to ninety (90) minutes duration are simulated to ensure proper operation during an actual power failure. Operating status is visually indicated by multi-function LED indication.

MODEL RATING GUIDE

Model	Voltage	Wattage				Cabinet
		90min	120min	180min	240min	
VDR-6-12	6	12	8	NA	NA	A
VDR-6-22	6	22	12	8	NA	A
VDR-12-22	12	22	12	8	NA	A

DIMENSIONS (in.)



Wattage	A"	B"	C"
12W-22W	6"	9"	9"

WARRANTY

The **VDR** series comes with a 5-year factory warranty. Lamps are not covered under the warranty. Deliberate damage, misuse, improper installation effectively cancel the warranty.