

# DEFIANT

## NEMA 4X RATED CARLON PVC EMERGENCY LIGHT

*The DEFIANT (DEF) series of industrial emergency lighting units are designed to be durable, dependable, and easy to install. The fully gasketed NEMA 4X rated Carlon PVC housing can be used in most damp, wet, and hose down areas. The DEF has been designed with the PulseGuard pulse switching charger. The PulseGuard offers superior performance & energy efficiency versus conventional constant voltage chargers. Traditional top mounted par 36 style heads are standard.*

### EXTERNAL SPECIFICATIONS

The DEF series is constructed with a durable NEMA 4X rated Carlon PVC cabinet. Industrial gray finish is standard. Emergency lighting heads are molded from high impact thermoplastic in a matching color; par36 heads are standard. Integrated mounting feet ensure proper and secure installation. The front access panel is hinged to allow for trouble free installation and maintenance. External test switch and monitor LED are standard.

### LAMP HEAD FEATURES

The DEF series is normally supplied with two top mounted par36 style 9W heads. Lamp head styles are constructed of high impact thermoplastic in a color matching the finish of the cabinet (industrial gray is standard). Please note: par36 style food-prep approved lenses are also available when ordering.

### BATTERY TECHNOLOGY

The DEF 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 24 hours. The maximum battery operating temperature is 50° C.

### MECHANICAL SPECIFICATIONS

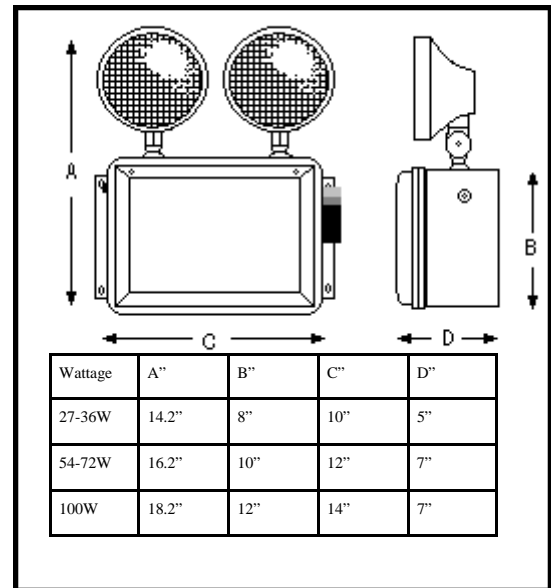
The DEF is constructed from a durable, fully gasketed NEMA 4X rated Carlon PVC housing. The front access panel is hinged for trouble-free installation and maintenance. Four integrated mounting feet ensure proper, secure, and accurate wall or ceiling installation onto most surfaces. The DEF is supplied standard in an industrial gray Carlon PVC finish. External test switch and monitor LED standard.

### CHARGER SPECIFICATIONS

The DEF series 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 SELECTION

00	No Heads	08	6V, 18W SB
01	6V, 5.4W H.I.T	09	6V, 25W SB (METAL HEADS)
02	6V, 7.2W H.I.T.	10	12V, 9W H.I.T.
03	6V, 8W SBH	11	12V, 8W SBH
04	6V, 9W H.I.T	12	12V, 12W SB
05	6V, 9W SB	13	12V, 12W SBH
06	6V, 12W SB	14	12V, 18W SB
07	6V, 12W SBH	15	12V, 25W SB (METAL HEADS)



SIGN SERIES	OPERATION	CAPACITY	HEADS	LAMP TYPE	OPTIONS
DEF DEFIANT SERIES	6 (volt DC) 12 (volt DC)	27 (6 volt) 36 54 72 100	1H ONE HEAD 2H TWO HEADS	SEE ABOVE	SD SELF DIAGNOSTICS VM VOLTMETER AM AMMETER TD TIME DELAY (SPECIFY) FP FOOD PREP LENS

EX: DEF-6-54-2H-07-VM

DESC: Defiant Series, 6 volt, 54 watt, two lamp heads, 6V, 12W sealed beam halogen bulbs, Voltmeter

### WARRANTY

The DEF Series comes from the factory with an unconditional 5 year product warranty.

Certified by ETL or CSA to  
UL924 Standards  
NEMA 4X

