



High Capacity Wet Location Emergency Light



PRODUCT OVERVIEW

The WEL series of industrial emergency lighting units are designed to be durable, dependable and easy to install. The fully gasketed NEMA 4x rated PVC housing can be used in most damp, wet and hose down areas. The WEL has been designed with the PulseGuard pulse switching charger. The PulseGuard offers superior performance & energy efficiency versus conventional constant voltage chargers. Traditional top mounted (LR) Par36 style heads are standard.

EXTERNAL SPECIFICATIONS

The WEL series is constructed with a durable NEMA 4x rated PVC cabinet. Industrial gray finish is standard. Emergency lighting heads are molded from high impact thermoplastic, (LR) Par36 style 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.

INTERNAL SPECIFICATIONS

The WEL 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 WEL luminaire is suitable for surface wall mounting. Suitable for NEMA 4x required installations. 120/277VAC.

LAMP SELECTION

- 6V tungsten: standard: 9w
 (H) halogen: 8w, 10w, 12w, 20w
- 6V sealed beam: (SB) standard: 9w, 12w, 18w
 (SBH) halogen: 12w, 20w
- 12V tungsten: standard: 9w, 18w
 (H) halogen: 8w, 12w, 20w, *35w, (*LR only)
- 12V sealed beam: (SB) standard: 12w, 18w
 (SBH) halogen: 8w

See lamp chart on page 142

ORDERING INFORMATION

Series	Operation	Capacity	Heads	Lamps	Options
WEL	6 (volt DC)	27 (6V)	1LR (single par36)	See lamp guide above	AT (auto-test daignostics)
	12 (volt DC)	36 (6V, 12V)	2LR (double par36)		TD (time delay-specify voltage)
		54 (6V, 12V)	0 (no heads)		NC (nickel-cadmium battery)
		72 (6V, 12V)			FP (food prep lens)
		100 (6V, 12V)			VM (voltmeter)

HDT BUILDER

Series	Operation	Capacity	Heads	Lamps	Options



MECHANICAL SPECIFICATIONS

The WEL is constructed from a durable, fully gasketed NEMA 4x rated 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 on to most surfaces. The WEL is supplied standard in an industrial gray PVC finish. External test switch and monitor LED standard.

CHARGER SPECIFICATIONS

The WEL 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 HEAD FEATURES

The WEL series is normally supplied with two (2) top mounted (LR) Par36 style 9w heads. Lamp head styles are constructed of high impact thermoplastic. Please note: (LR) Par36 style food-pre approved lenses are also available when ordering.

BATTERY TECHNOLOGY

The WEL 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.

The WEL 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	
WEL-6-27	6	27	18	12	8	A
WEL-6-36	6	36	27	18	12	A
WEL-6-54	6	54	36	27	18	B
WEL-6-72	6	72	54	36	27	B
WEL-6-100	6	100	72	54	36	C
WEL-12-36	12	36	27	18	12	A
WEL-12-54	12	54	36	27	18	B
WEL-12-72	12	72	54	36	27	B
WEL-12-100	12	100	72	54	36	C

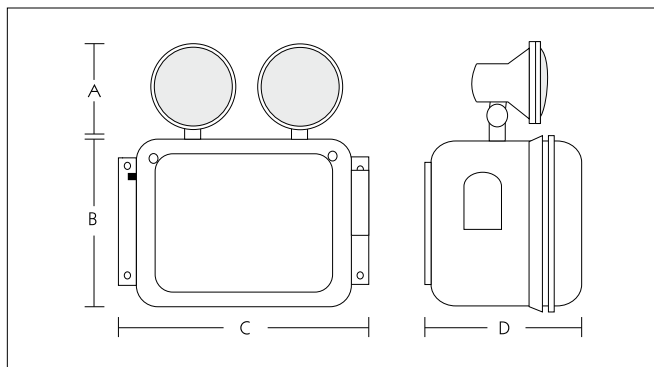
SALES DEPARTMENT

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DIMENSIONS (in.)



Wattage	A"	B"	C"	D "
27W-36W	6.2"	8"	10"	5"
54W-72W	6.2"	10"	12"	7"
100W	6.2"	12"	14"	7"

WARRANTY

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