

Model: _____
 Job: _____
 Type: _____
 Date: _____



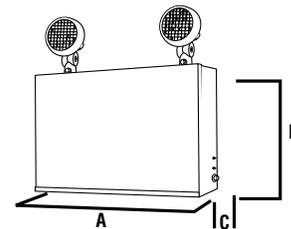
■ internal

The HWE is a specification grade unit, available with 6, 12 and 24 volt battery configurations, designed with two stage charging. The charging system offers superior performance and energy efficiency with solid state transfer, supplied with 120/277V.

■ external

The HWE is constructed with a 20 gauge steel cabinet. Terminal connectors allow for larger gauge wires to be connected for remote loads. White finish is standard (black and custom colors optional). The unit is configured with two top mounted heads standard. Lamp head options include: PAR36 (LR), PAR18 (SR), MR16 (BTMR) and TESTA square LED heads. Universal mounting pattern and key hole slots are stamped on the back and conduit knockouts on the sides of each unit.

■ dimensions (in,mm)



Unit Size	A	B	C
(6V 120W)	13.5" (343mm)	10 1/8" (257mm)	4 1/4" (105mm)
(6V 200W) (12V 140W)	13" (330mm)	10 1/8" (257mm)	8 1/2" (216mm)
(12V/ 24V 200W-360W)	18 1/8" (460mm)	10 1/8" (257mm)	8 1/2" (216mm)

Head	Height	Width
BTMR	3.5"	2.25"
LR	5.88"	4.75"
SR	4.25"	2.75"
TESSQ	7"	4.25"

■ ordering information

EXAMPLE: HWE 12140 2LR9W AT

Series	Operation	Pb-A (Capacity)	Ni-Cd ³ (Capacity)	Emergency Heads	Lamps	Options
HWE	6 (V)	120 (6V)	130 (12V)	0 (no heads)	See lamp selection on next page	ACTB (terminal block AC)
	12 (V)	140 (12V)	200 (12V, 24V)	1LR (single PAR36)		AM (ammeter)
	24 (V)	160 (12V)		2LR (double PAR36)		AT (autotest)
		180 (12V)		3LR (triple PAR36)		BLK (black)
	200 (6V)		1BTMR (single, MR16)	BZ (buzzer)		
	280 (24V)		2BTMR (double, MR16)	CC (custom color- specify)		
	360 (12V, 24V)			1SR (single LED module)		DCTB (terminal block DC)
				2SR (double LED module)		FAI ¹ (fire alarm interface)
				1TESSQ (single, TESTA)		IRT ² (infrared testing)
				2TESSQ (double, TESTA)		LC (line cord set, 120V only)
				NC ³ (Ni-Cd)		
				TD ⁴ (time delay - specify 5, 10, 15 min)		
				TP (tamper proof screws)		
				VM (voltmeter)		

NOTE 1: Specify type of fire alarm signal: normally open, normally closed or 6, 12, 24VDC (specify voltage used)

NOTE 2: HHC (hand held controller for IRT) should be ordered separately (item code: 476000021)

NOTE 3: For nickel-cadmium battery, select NC from options and capacity from Ni-Cd column

NOTE 4: Must specify input voltage and time delay (10 min standard)

■ emergency heads

The **HWE** unit is supplied standard with two [2] top mounted emergency lamp heads with incandescent or LED lamps. LED lamp head options include: thermoplastic LR PAR36 and SR PAR18 styles and die-cast aluminum BTMR MR16 and square TESTA lamp head styles. MR16 LED lamps, LR with sealed beam LED, SR thermoplastic LED heads and TESTA die-cast aluminum square lamp heads. LR and BTMR heads feature a unique locking twist collar that securely holds the lens and facilitates quick and easy re-lamping. Lamp heads can be mounted either on the top or on the sides of the unit allowing for up to four [4] heads to be mounted on the largest units (2 top, 2 sides).

■ electrical

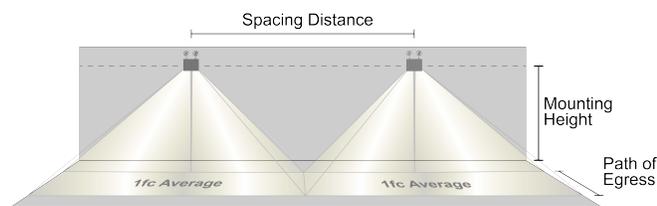
BATTERY: The **HWE** is designed with a maintenance-free, sealed valve regulated lead acid or nickel-cadmium battery that provides a minimum emergency duration of 90 minutes. Recharge time is less than 48 hours. The operating temperature range is 10°C to 45°C.

CIRCUIT: The **HWE** 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 external push button test switch allows maintenance personnel to quickly determine the operational status of the unit and lamp load. The charger also has brownout and short circuit protection.

■ mechanical

The **HWE** is constructed with a 20 gauge steel cabinet in a white powder coat finish, other colors and custom color matching are available. Universal mounting pattern and key hole slots are stamped on the back and conduit knockouts on the sides of each unit.

■ spacing



Model	Lamp Type	Mounting Height	On-Center Spacing (multiple fixtures)	Path of Egress
HWE	2W LED	7.5 ft	45	3 ft
HWE	5W MR16-LED	7.5 ft	65	3 ft
HWE	7W MR16-LED	7.5 ft	80	3 ft
HWE	TESTA HEAD	7.5 ft	65	3 ft

Disclosure: Spacing is measured in lab conditions with an assumed open space, no obstructions and reflection rates of 80 (ceiling)/50 (walls)/20 (floor). Actual spacing may vary depending on what environment the fixture is installed in.

■ autotest

The Beghelli Autotest system performs one 5 minute discharge test monthly. Every 6 months two 90 minute discharge tests are performed. 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-color LED. The Beghelli Autotest system includes 0, 5, 10 or 20 minute time Autotest delay function to allow HID lighting to restrike. IRT one button press tests unit for 90 minutes per code.

■ lamp selection

	6V	12V	24V
Incandescent ¹	7.2, 9W	9, 12, 18W	9, 18W
Quartz Halogen (Q) ²	12W	12, 20W	N/A
MR16 LED ³	5, 7W	2, 5, 7W	5, 7W
TESTA ⁴	N/A	5, 9, 14, 30W	5, 9, 14, 30W
Sealed Beam LED ⁵	N/A	6W	6W

NOTE 1: Available in LR lamp heads (ex: 2LR9W) and SR lamp heads (ex: 2SR18W)

NOTE 2: Available in LR lamp heads (ex: 2LR12Q) and SR lamp heads (2SR20Q)

NOTE 3: Available in SR lamp heads (ex: 2SR7WLED) and BTMR lamp heads (ex: 2BTMR2WLED)

NOTE 4: Nomenclature example: 2TESSQ9W

NOTE 5: Available in LR lamp heads (ex: 2LR6WLEDSB)

■ model rating guide Pb-A (Capacity)

Model	Input Voltage	Wattage Rating 90 Minutes
HWE 6120	6	120
HWE 6200	6	200
HWE 12140	12	140
HWE 12160	12	160
HWE 12180	12	180
HWE 12360	12	360
HWE 24280	24	280
HWE 24360	24	360

■ model rating guide Ni-Cd (Capacity)

Model	Input Voltage	Wattage Rating 90 Minutes
HWE 12130	12	130
HWE 12200	12	200
HWE 24200	24	200

■ warranty

The **HWE** comes with a 3-year factory warranty. Lamps are not covered under the warranty. Deliberate damage, misuse, improper installation effectively cancel the warranty.