ESL

INDOOR

BAA

Job/Location: _____

Contractor: _____

Prepared By: _____

Job Type: _____

Date: _____

■ specifications: internal

The ESL is configured with 120/277V input with solid state charging circuitry. Standard features include low voltage disconnect, AC lockout and brownout protection.
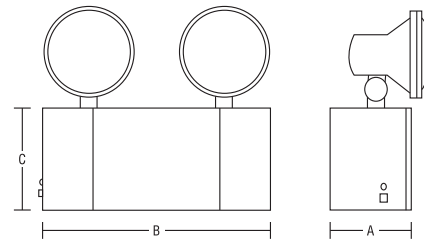
■ specifications: external

The ESL is constructed with a 20 gauge steel cabinet. Terminal connectors allow for larger gauge wires to be connected for remote loads. White powder coat finish is standard (other colors optional). PAR36 (LR) style heads are standard. PAR18 (SR) style heads are optional. MR16 (BTMR) are also offered. Universal mounting pattern and key hole slots are stamped on the back and conduit knockouts on the sides of each unit.

■ dimensions (in,mm.)

Cabinet	A	B	C
12W-45W	3$^{1/2}$"	11$^{1/8}$"	6$^{1/8}$"
	90mm	283mm	156mm

■ ordering logic

Series	Operation	Pb-A (Capacity)	Ni-Cd (Capacity)	Emergency Heads	Mounting	Lamps	Options
ESL	6V	12 (6V)	22 (6V)	0 (no heads)	TM (top mount)	See lamps	AT (autotest)
	12V	18 (6V)	42 (6V, 12V)	1LR (single PAR36)	SM (side mount)	selection on	AM (ammeter)
		27 (6V, 12V)		2LR (double PAR36)	FM (front mount)	next page	AR (aluminum remote)
		36 (6V, 12V)		3LR (triple PAR36)			B (black finish)
				1SR (single PAR18)			BZ (buzzer)
				2SR (double PAR18)			CC (custom color- specify)
				3SR (triple PAR18)			CS120 (cord set, 120V only)
				1BTMR (single, MR16)			FAI[1] (fire alarm interface)
				2BTMR (double, MR16)			IRT[2] (infrared testing)
				1AR (AL, single, PAR36)			NC[3] (Ni-Cd battery)
				2AR (AL, double, PAR36)			TC (Teflon coated lenses)
							TD[4] (time delay- 0, 5, 10, 15)
							TP (tamper proof screws)
							VM (voltmeter)

NOTE 1: Specify type- open/closed dry contact.
NOTE 2: HHC (controller for IRT) should be ordered seperately (item code:476000021).
NOTE 3: NC (select wattage/voltage from Ni-Cd column).

NOTE 4: Must specify at time of order, 10 min standard.
NOTE 5: 220V option available please contact factory.

EXAMPLE: ESL-12-36-2LR-TM-VM
DESCRIPTION: 12V, 36W, double PAR36, top mount, voltmeter

Beghelli

7/24/20

■ emergency heads

The ESL is normally supplied with two (2) front mounted (LR) PAR36 style heads. Additional head styles are available. The ESL can be configured with front, side or top mounted heads, please specify when ordering. Both lamp head styles are constructed of high impact thermoplastic in a color matching the finish of the cabinet (white is standard). Both head types feature a unique twist locking collar that securely holds the lens and facilitates quick and easy re-lamping.

■ specifications: electrical

BATTERY: The ESL 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 less than 48 hours. The maximum working temperature is 40°C. The minimum working temperature is 10°C. Nickel cadmium batteries are available as an option.

CIRCUIT: The ESL 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.

■ specifications: mechanical

The ESL is constructed with a 20 gauge steel cabinet. Terminal connectors allow for larger gauge wires to be connected for remote loads. White powder coat finish is standard (other colors optional). Universal mounting pattern and key hole slots are stamped on the back and conduit knockouts on the sides of each unit. External test switch and monitor LED are standard. The hinged curved front panel conveniently opens and allows full access to the housing for easy installation and general maintenance. The ESL emergency heads feature a twist locking collar that securely holds the lens in place and facilitates quick and easy relamping.

■ 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 also 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.

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

■ lamp selection

	6V	12V
Incandescent	5.4, 7.2, 9, 25W	9, 12, 18W
Halogen (H)	10, 12, 20W	12, 20, 35W
MR16 LED	5, 7W (SRP & BTMR heads)	2, 5, 7W (SRP & BTMR heads)

■ model rating guide

Model	Voltage	Wattage				Cabinet
		90min	120min	180min	240min	
ESL-6-18	6	18	14	9	7	A
ESL-6-22*	6	22	17	11	9	A
ESL-6-27	6	27	20	14	10	A
ESL-6-36	6	36	27	18	14	A
ESL-6-42*	6	42	32	21	16	A
ESL-12-27	12	27	20	14	10	A
ESL-12-36	12	36	27	18	14	A
ESL-12-42*	12	42	32	21	16	A

* Indicates Ni-Cd battery

■ warranty

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