
















Beghelli

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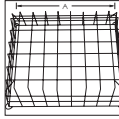


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The Beghelli Group



Introduction

Founded in 1982 by Gian Pietro Beghelli, the Beghelli Group is an Italian and European emergency lighting leader that also operates in the fields of energy saving lighting, electronic domestic, industrial and urban safety & security systems. The company's strategy is based on its ability to interpret market requirements. Over the years, investments in product quality and the Beghelli brand name recognition - familiar to 92.9% of the Italian population (Doxa source) - have contributed to establishing the group's name in its traditional business, guaranteeing the success of new product launches. In addition to focusing on the very high growth potential in Italy, the Beghelli Group has introduced international initiatives aimed at increasing exports.

The Reliability of a Great Name

The Beghelli Group strongly believes in the value of research activities, to which it provides considerable investments, for the development of products featuring technologically advanced functional characteristics and cutting edge design. Product research constantly occupies 15% of design, engineering, testing and certification activities.



Industrial Design Awards

The acclaim of our products is also partly due to the continuous research dedicated to developing the aesthetic and ergonomic properties of Beghelli products. The results of this commitment are demonstrated by the numerous national and international design honors awarded to our products.

Emergency Lighting

Emergency lighting is the Group's traditional area of activity, where it enjoys a prominent position of technological and commercial leadership. Beghelli manufactures complete ranges of self-powered luminaires. Particular emphasis has been placed on products with autotest diagnostic systems, which are now considered the most advanced solutions to testing system and maintenance requirements, in compliance with current standards.

The Group

Beghelli S.p.A. is the Group's mother company that is responsible for the strategies and industrial, commercial and financial coordination. In addition to the company offices and logistics center that serves the Italian and European markets, our Monteveglio premises are also the location of laboratory structures aimed at research and development, design, engineering, testing and certification of Beghelli products. The Beghelli Group, which has been listed on the Milan Stock Exchange since 1998, also includes six (6) other international research, production and trading sister companies. Beghelli Asia Pacific, Beghelli Canada, Beghelli Elplast in the Czech Republic, Beghelli Praezisa in Germany, Beghelli de Mexico and Beghelli USA are all proud members of the Beghelli Group.

Beghelli Italy (5)

Beghelli USA

Beghelli Canada

Beghelli Mexico

Beghelli Czech Rep.

Beghelli Germany

Beghelli Asia Pacific (3)



Beghelli Projects

Tens of thousands of projects testify to Beghelli's leadership in the lighting industry. The most prestigious projects in which the company has been involved include historical contexts such as the Vatican Museums and Milan's La Scala Theater as well as the Moscow Conservatory; Rome, Geneva, Tipoli, Prague and Tel Aviv airports, McDonalds restaurants in Denmark, Russia and China, multiple American universities, the TIME AOL building in New York, the Waldorf Astoria in New York, several Disney resorts, NASA Cape Canaveral, US Coast Guard locations, the Four Seasons Hotel in Miami, the parliament in Sirte and Expo in Seville.

Serving the Customer

Investments in human resources, technologies and continual training; has combined into creating the industries most effective customer service group. We are here before, during and after your project. Our single most important goal is to make your job and your clients job easier. We are Beghelli.



Emergency Lighting

The past twenty years have not just given Beghelli the experience to compete in the emergency lighting industry and provide the most complete offering of Life Safety products; it has provided Beghelli with an endless canvas to create new, innovative, high performance products that provide a safer world.

Supporting our extensive line is our customer service group & product specialists. Providing complete project support including seminars, design layout services, on-site assistance and 24 hour service lines.

Offering the "World's Most Complete Emergency Lighting Line," Beghelli has the proper product for your installation. Supporting the extensive line of emergency products is our customer service group and product specialists, providing our customers with complete project support; from seminars, design layout services, on-site assistance to product installation assistance.

Indoor Architectural Emergency





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INTERNAL SPECIFICATIONS

AESTETICA features a multi input (120/277) transformer, brown-out and short-circuit protection and a fully automatic recharge circuit that is regulated by an electronic voltage sensor. Standard 4.8V 2.2Ah nickel-cadmium battery provides a minimum 120 minutes emergency duration and is protected by a low-voltage cut-off circuit.

EXTERNAL SPECIFICATIONS

The housing components are injection molded using corrosion and flame resistant ABS material. Designed to transmit as much light as possible during a power failure, the Lexan constructed diffuser is clear by design and has been UV stabilized to reduce yellowing. The housing color is natural, light gray. Internal connection clips insure the integrity of the AESTETICA.

INSTALLATION

The AESTETICA Series is designed to be wall or ceiling surface mounted. Suitable for damp (IP40) installations. The internal housing connection clips securely hold the reflector and diffuser in place and discourage any tampering.

PRODUCT OVERVIEW

The AESTETICA Series by Beghelli offers design, performance, ease of installation and reliability at a competitive commodity goods level. The compact and low profile design allows the AESTETICA to be incorporated into the architecture of the installation. The injection molded ABS housing and clear Lexan diffuser insure durability, security and efficiency. Reliable and even light distribution is assured with the 8W linear fluorescent T5 lamp. The AESTETICA is designed to be installed on wall and ceiling surfaces. Indoor installations only, damp location rated.

ORDERING INFORMATION

Series	Operation	Input Voltage
A8	SE (emergency only)	UNV (120/277V)

AESTETICA BUILDER

Series	Operation	Input Voltage
<input type="text"/>	<input type="text"/>	<input type="text"/>

EXAMPLE: A8-SE-UNV
 DESCRIPTION: Aestetica emergency luminaire, emergency only, 120/277V

JOB:	TYPE:
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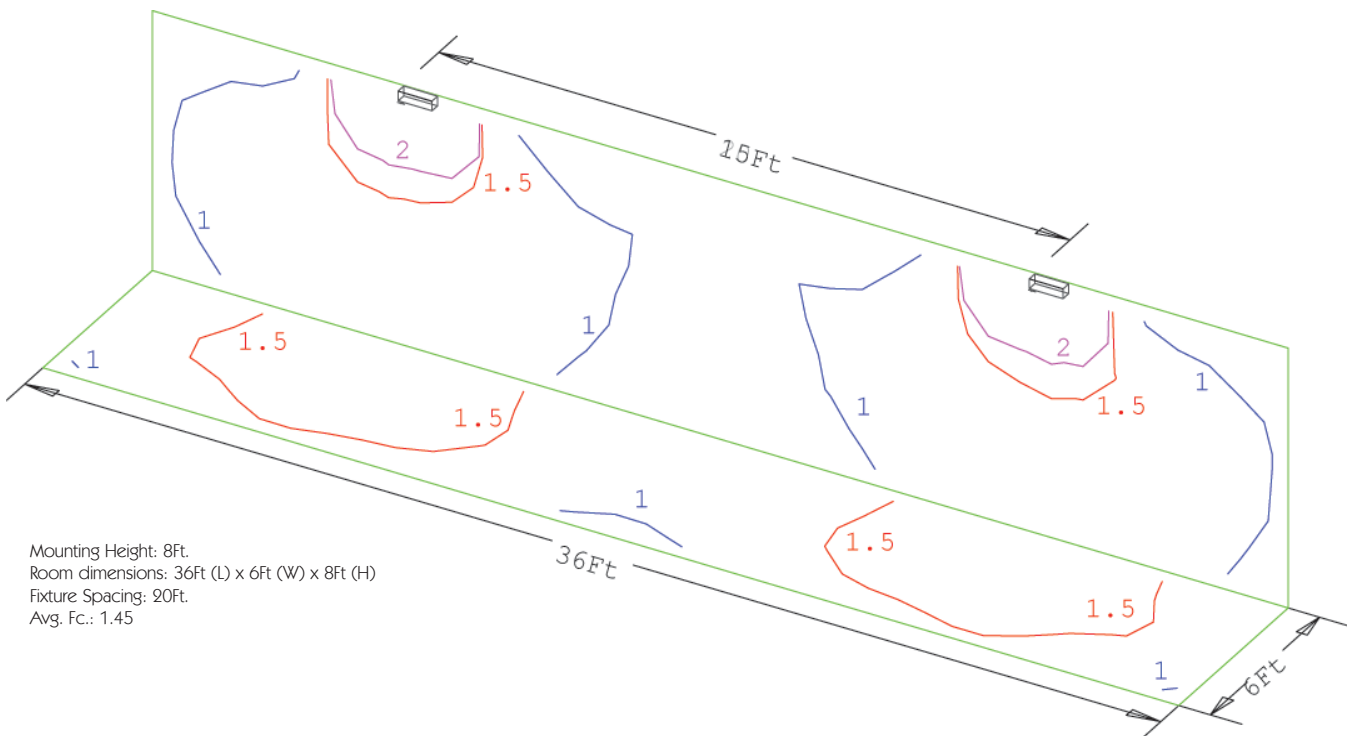
FLUORESCENT EMERGENCY

The use of fluorescent emergency is standard practice for Beghelli. The benefits are obvious; even light distribution, long lamp life, never having to worry if the lamps are positioned properly, increased fixture to fixture spacing, lighting the entire environment (rather than just the path of egress) and accurate photometrics. The AESTETICA does all this in a compact package.

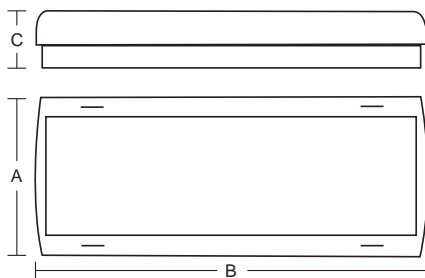
LAMP TECHNOLOGY

The AESTETICA features a single 8W linear T5 lamp that is included. Estimated lamp life 7,500 hours.

AESTETICA PHOTOMETRICS



DIMENSIONS (in.)



Series	A"	B"	C"
Aestetica	5.3"	13.25"	1.8"

WARRANTY

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





INSTALLATION

The BELLA luminaire is suitable for surface ceiling or wall mounting, using the included installation bracket. Suitable for indoor installation on normally inflammable surfaces.

EXTERNAL SPECIFICATIONS

The BELLA line is constructed of a corrosion, flame and vandal resistant polycarbonate housing. The UV stabilized polycarbonate lens ensures durability and superior light output. The Beghelli patented “Plug-In” connection makes for the easiest installation in the market.

INTERNAL SPECIFICATIONS

BELLA features a dedicated input (120V) or (277V) transformer, brown-out and short circuit protection and a fully automatic recharge circuit that is regulated by an electronic voltage sensor. Standard 6V 7Ah sealed lead calcium battery provides a minimum 120 minutes emergency duration. The integral reflector is made of self-extinguishing, UV stabilized polycarbonate. Operating temperature is 50°C .

PRODUCT OVERVIEW

The BELLA line of fixtures and emergency lighting units are highly versatile. Slim in design and easy to install with the Beghelli patented “Plug-In” connection. The injection-molded housing is both corrosion and vandal resistant. The fluorescent light source provides exceptional light output. Custom signage is also available.

ORDERING INFORMATION

Series	Operation	Input Voltage	Options
8320	HT (AC only)	US (120V)	SW (special wording)
	SE (emergency only)	US2 (277V)	
	SA (AC & emergency)		

BELLA BUILDER

Series	Operation	Input Voltage	Options
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

EXAMPLE: 8320-SE-US
 DESCRIPTION: Bella emergency luminaire, emergency only, 120V

JOB:	TYPE:
------	-------

ETL Listed. ADA Compliant. Indoor location.

“PLUG-IN” MOUNTING

The patented “Plug-In” mounting bracket is wired and connected to a standard junction box with the included adapter plate. The BELLA unit is then snapped and locked onto the mounting bracket. When properly snapped into position, the plug (located on the unit) and the socket (located on the mounting bracket) make a complete connection. With the “Plug-In” connection system the mounting bracket can be installed prior to the BELLA unit itself. This allows for all construction finish work to be completed without any paint or physical damage to the unit. The mounting bracket also allows the BELLA unit to be easily detached and disconnected from the electrical circuit without having to unwire the unit.

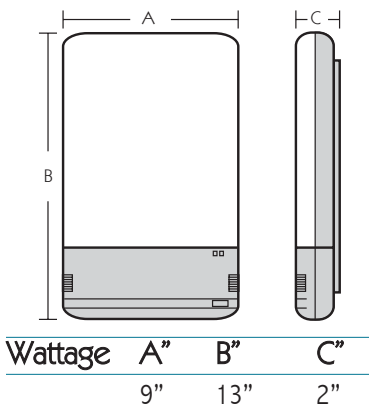
BATTERY & CIRCUIT TECHNOLOGY

The BELLA SE and SA models are supplied with a 6V 7Ah maintenance free, sealed lead acid battery for emergency operation. The minimum emergency duration is 120 minutes. Emergency luminous efficiency is 50%. Recharge time of the battery is twenty-four (24) hours. The maximum battery operating temperature is 50° C.

HOUSING

The BELLA is constructed from a corrosion, flame and vandal resistant polycarbonate housing and mounting bracket. The bracket connection allows installation to a standard wall mounted junction box. The plastic injected housing and lens is built for durability and superior function. The slim design allows for simplified, non-intrusive installations.

DIMENSIONS (in.)



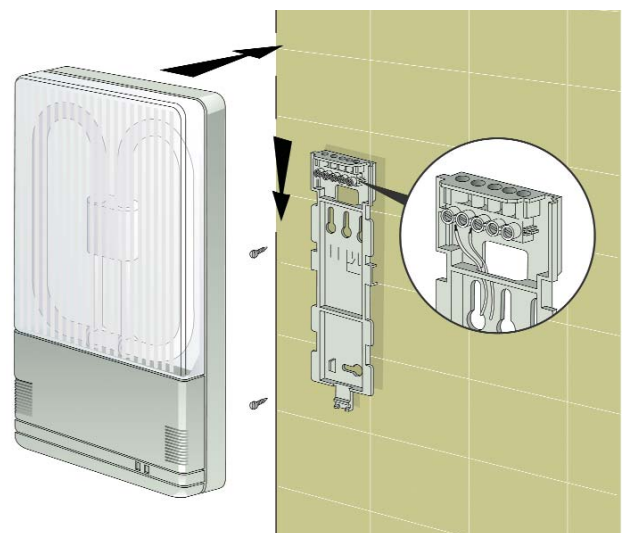
LAMP & LENS TECHNOLOGY

The BELLA is supplied standard with one (1) 22 watt circline fluorescent lamp, providing 1250 lumens and having an expected lamp life of 16,000 hours. The BELLA lens is a translucent, UV stabilized lens which facilitates consistent fixture performance. The lens completely encloses and protects the lamp from tampering. Custom & special wording is available.

Examples of several custom lenses:

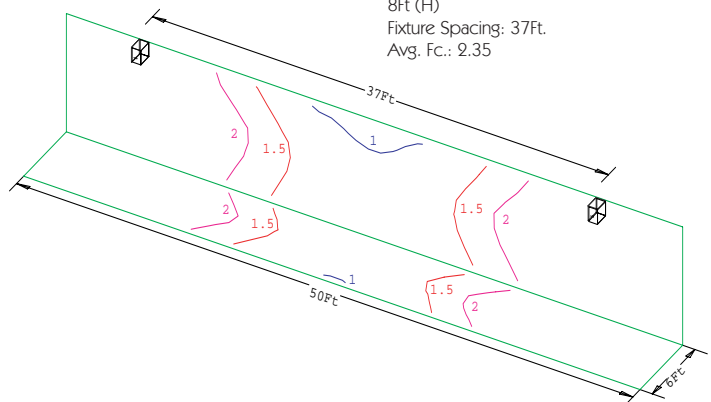
- X-Ray in Use
- Restroom Symbols
- Classroom Numbers
- On the Air
- Directional Arrows
- Library Sections

For further custom signage please consult the factory.



BELLA PHOTOMETRICS

Mounting Height: 8Ft.
 Room dimensions: 50Ft (L) x 6Ft (W) x 8Ft (H)
 Fixture Spacing: 37Ft.
 Avg. Fc.: 2.35



WARRANTY

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



EXTERNAL SPECIFICATIONS

The DECO series is constructed from high quality corrosion and flame resistant thermoplastic. White finish is standard (black color optional). Emergency lighting heads are fixed with prismatic lenses for increased light distribution. Universal mounting bracket is easily snapped onto the DECO housing. External test switch and monitor LED are standard.

HOUSING

The DECO series utilizes a corrosion and flame resistant injection molded thermoplastic housing and mounting bracket. Lightweight and durable, the DECO is ideal for use in areas where materials such as steel and aluminum may deteriorate. The bracket connection allows installation to a standard surface mounted junction box.

INSTALLATION

The DECO luminaire is suitable for surface wall or ceiling mounting. Suitable for indoor/damp installation. 120/277VAC.

PRODUCT OVERVIEW

The DECO series 2-headed emergency unit has been developed to be architecturally appealing, easy to install, and an economical solution to emergency lighting requirements. The injection molded thermoplastic housing is corrosion and flame resistant. The universal mounting plate allows for effortless installation. The DECO comes complete with 2 fixed 5.4W heads. Damp location rating is standard.

ORDERING INFORMATION

Series	Model	Options
DECO	6	B (black housing)

DECO BUILDER

Series	Model	Options
<input type="text"/>	<input type="text"/>	<input type="text"/>

EXAMPLE: DECO-6
 DESCRIPTION: DECO emergency luminaire, emergency only, 6V 11W, damp location

JOB:	TYPE:
------	-------

The DECO series emergency lighting fixture is configured for standard operation 120/277VAC dual voltage input with current limit protection. Current charge regulator is standard. Minimum 90 minutes emergency duration.

LAMPS

The DECO series is supplied with two (2) front mounted, fixed 5.4W wedge base incandescent lamps. The polycarbonate prismatic lenses offer durability and high light distribution.

BATTERY & CIRCUIT TECHNOLOGY

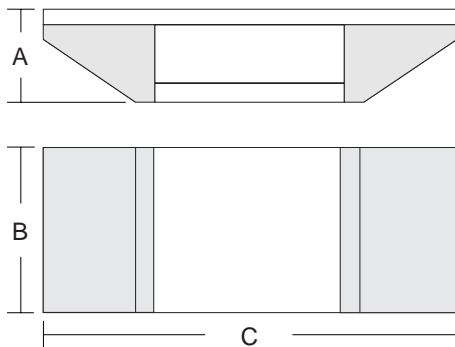
The DECO series is supplied with a maintenance free, sealed lead calcium battery for emergency operation that provides a minimum emergency duration of 90 minutes. The recharge time of the battery is twenty-four (24) hours. The maximum working temperature is 50°C

The DECO series emergency lighting fixture comes standard rated for damp location installations. The DECO is an ideal solution for exterior covered breezeways, warehouses, covered corridors and high humidity regions.

UNIVERSAL MOUNTING

The DECO emergency lighting unit uses a universal mounting bracket that snaps into the DECO housing. Easy field wiring and durability make the DECO a favorite among contractors.

DIMENSIONS (in.)



Wattage	A"	B"	C"
2x5.4W	2 1/4"	5 1/8"	11 7/8"

WARRANTY

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





PRODUCT OVERVIEW

The PRATICA line has been developed with versatility, durability and architectural appeal in mind. The polycarbonate injection molded housing is both corrosion and vandal resistant. The Beghelli patented “Plug-In” connection system ensures easy installation and maintenance.

ENHANCED PRACTICALITY

The Beghelli “Plug-In” connection system allows for the bracket to be installed (if desired) prior to the entire PRATICA unit. This allows for the completion of all construction finishing work without any damage to the actual unit, or discharge of the battery. As well, the mounting bracket allows the PRATICA unit to be easily detached and disconnected without having to unwire the unit.

ORDERING INFORMATION

Series	Operation	Input Voltage
824	SE (emergency only)	US (120V)
		US2 (277V)

PRATICA BUILDER

Series Operation Input Voltage

EXAMPLE: 824-SE-US2
 DESCRIPTION: Pratica emergency luminaire, emergency only, 277V

EXTERNAL SPECIFICATIONS

The PRATICA is constructed of a corrosion, flame and vandal resistant polycarbonate housing. The UV stabilized clear rubberized prismatic lens ensures durability and superior light output. Patented Beghelli “Plug-In” connection makes for the easiest installation in the market. The PRATICA diffuser is a clear rubberized prismatic lens that is UV stabilized to reduce the yellowing index and provide superior light output. The rubberizing adds impact protection.

INTERNAL SPECIFICATIONS

PRATICA features a dedicated input (120V) or (277V) transformer, brown out and short circuit protection and a fully automatic recharge circuit that is regulated by an electronic voltage sensor. Standard 6V 7Ah sealed lead calcium battery provides a minimum 120 minutes emergency duration. The integral reflector is made of self-extinguishing, UV stabilized polycarbonate. Operating temperature is 10°C (min) - 40°C (max).

INSTALLATION

The PRATICA luminaire is suitable for surface ceiling or wall mounting, using the included installation bracket. Suitable for indoor installation.

JOB: TYPE:

“PLUG-IN” MOUNTING

The patented “Plug-In” mounting bracket is wired and connected to a standard junction box with the included adapter plate. The PRATICA unit is then snapped and locked onto the mounting bracket. When properly snapped into position, the plug (located on the unit) and the socket (located on the mounting bracket) make a complete connection. With the “Plug-In” connection system the mounting bracket can be installed prior to the PRATICA unit itself. This allows for all construction finish work to be completed without any paint or physical damage to the unit. The mounting bracket also allows the PRATICA unit to be easily detached and disconnected from the electrical circuit without having to unwire the unit.

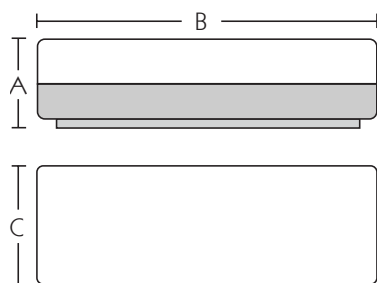
BATTERY

The PRATICA SE model is supplied with a 6V 7Ah maintenance free, sealed lead acid battery for emergency operation. The minimum emergency duration is 120 minutes. Emergency luminous efficiency is 50%. Recharge time of the battery is twenty-four (24) hours. The maximum battery operating temperature 40°C.

HOUSING

The PRATICA is constructed from a corrosion, flame and vandal resistant polycarbonate housing and mounting bracket. The bracket connection allows installation to a standard wall mounted junction box. The plastic injected housing and lens is built for durability and superior function.

DIMENSIONS (in.)

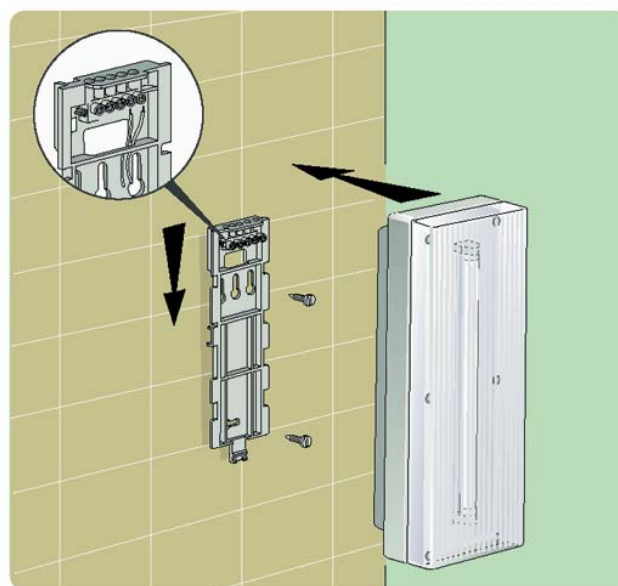


Wattage	A"	B"	C"
	4"	14"	3 3/4"

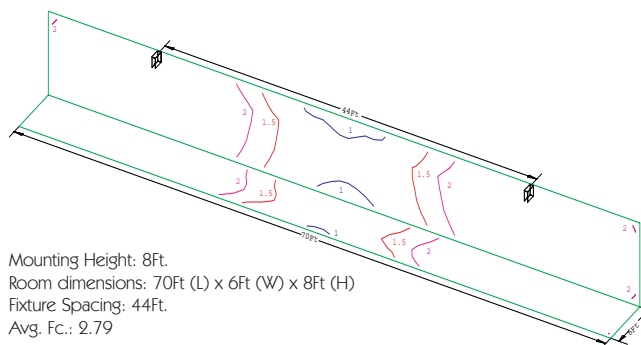
LAMP & LENS TECHNOLOGY

The PRATICA is supplied standard with one (1) 24 watt compact fluorescent lamp, providing 1350 lumens and having an expected lamp life of 20,000 hours. The PRATICA lens is a rubberized prismatic, UV stabilized lens which facilitates consistent fixture performance. The lens completely encloses and protects the lamp from tampering.

Using a clear lens allows on average 10% more light output compared to a traditional translucent or opaque style lens. During an emergency situation a Beghelli style emergency unit using a clear style lens allows greater light distribution, effectively illuminating the means of egress and making an emergency evacuation that much safer.



PRATICA PHOTOMETRICS



WARRANTY

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





PRODUCT OVERVIEW

The BBY series 2-headed MR16 emergency unit is a high performance affordable thermoplastic emergency luminaire. The injection molded thermoplastic housing is corrosion and flame resistant and features an innovative snap together design allowing fast and easy installation. The standard 5W halogen MR16 lamps are fully adjustable. The BBY series comes standard finished in white.

EXTERNAL SPECIFICATIONS

The BBY series is constructed from high quality corrosion and flame resistant thermoplastic. White finish is standard. The semi-recessed MR16 emergency lighting heads are molded from the same high quality thermoplastic and positioned in a gimbal style assembly. MR16 lamps are protected by a durable front protective cover. Universal mounting bracket for wall or ceiling installations. External test switch and monitor LED are standard.

INTERNAL SPECIFICATIONS

The BBY 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 BBY series luminaire is suitable for surface wall or ceiling mounting. Suitable for indoor/damp installations on normally inflammable surfaces. 120/277VAC.

ORDERING INFORMATION

Series	Model
BBY	25MR (6V 10W)

BBY BUILDER

Series	Model
<input type="text"/>	<input type="text"/>

EXAMPLE: BBY-25MR
 DESCRIPTION: BBY emergency luminaire, emergency only, 6V 10W MR-16, white housing.

JOB:	TYPE:
------	-------

HOUSING

The BBY series utilizes a corrosion and flame resistant injection molded thermoplastic housing and mounting bracket. The innovative snap together design allows fast and effortless installation. The BBY series is ideal for use in areas where materials such as steel and aluminum may deteriorate. The universal mounting pattern allows wall or ceiling installations.

BATTERY

The BBY series is supplied with a sealed, maintenance-free, valve regulated 6V 4.5Ah lead calcium battery that provides a minimum emergency duration of 90 minutes. Recharge time of the battery is twenty-four (24) hours. The maximum working temperature is 50° C.

EMERGENCY SPECIFICATIONS

The BBY series emergency luminaire is configured for standard operation 120/277VAC dual voltage input with current limit protection. Current charge regulator is standard. Minimum 90 minutes emergency duration. 24 hour charge time.

LAMP HEAD FEATURES

The BBY series is supplied with two (2) semi-recessed, front mounted 5W MR16 lamps. Lamp heads are mounted within a gimbal style assembly allows correct and accurate beam positioning. Lamp heads are constructed of high impact thermoplastic in a color matching the finish of the housing (white is standard).

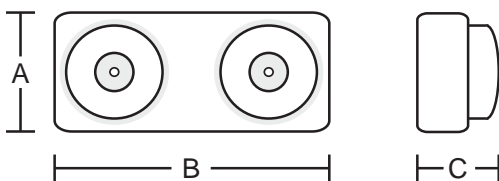
MR-16 TECHNOLOGY

The BBY series emergency luminaire benefits from the use of MR-16 lamp technology. Offering superior light output, compact design, high efficiency and architectural appeal, the MR16 lamps are an intelligent light choice. The BBY series comes standard with 2x5W halogen MR16 lamps.

DESIGN FEATURES

The BBY series emergency luminaire features an innovative snap together design, easy field wiring & durable construction. All factors making the BBY series a contractors favorite.

DIMENSIONS (in.)



Wattage	A"	B"	C"
2x5W	5.5"	12.2"	4.2"

WARRANTY

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



PRODUCT OVERVIEW

The XLP series emergency units have become an industry standard. The architecturally appealing design, ease of installation and economical price are all contributing factors. The injection molded thermoplastic housing is corrosion and flame resistant. The universal mounting plate allows for effortless installation. The standard 5.4W incandescent lamps can be positioned as needed. Damp location rating is standard.

EXTERNAL SPECIFICATIONS

The XLP series is constructed from high quality corrosion and flame resistant thermoplastic. White finish is standard (black color optional). Emergency lighting heads are molded from high impact thermoplastic in a matching color and positioned on a ratcheted track for accurate positioning. Lens material is a high-impact polystyrene. Universal mounting bracket is easily snapped onto the XLP housing. External test switch and monitor LED are standard.

INTERNAL SPECIFICATIONS

The XLP 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 XLP luminaire is suitable for surface wall or ceiling mounting. Suitable for indoor / damp installation. 120/277VAC.

ORDERING INFORMATION

Series	Model	Options
XLP	S1 (6V 12W)	B (black housing)
	S2 (6V 18W)	

XLP BUILDER

Series	Lamps	Operation
<input type="text"/>	<input type="text"/>	<input type="text"/>

EXAMPLE: XLP-S2-BLK
 DESCRIPTION: XLP emergency luminaire, emergency only, 6V 18W, damp location, black housing.

JOB:	TYPE:
------	-------

The XLP series emergency luminaire is configured for standard operation 120/277VAC dual voltage input with current limit protection. Current charge regulator is standard. Minimum 90 minutes emergency duration. 24 hour charge time.

BATTERY & CIRCUIT TECHNOLOGY

The XLP series is supplied with a maintenance free, sealed valve regulated lead acid battery for emergency operation that provides a minimum emergency duration of 90 minutes (for the listed rating). The S1 model comes standard with a 6V 4.5Ah battery. The S2 model comes standard with a 6V 7Ah battery for remote capability. Recharge time of the battery is twenty-four (24) hours. The maximum working temperature is 50° C.

HOUSING

The XLP series utilizes a corrosion and flame resistant injection molded thermoplastic housing and mounting bracket. Lightweight and durable, the XLP is ideal for use in areas where materials such as steel and aluminum may deteriorate. The bracket connection allows installation to a standard wall mounted junction box.

The XLP series emergency luminaires come standard rated for damp location installations. The XLP is an ideal solution for exterior covered breezeways, warehouses, covered corridors and high humidity regions.

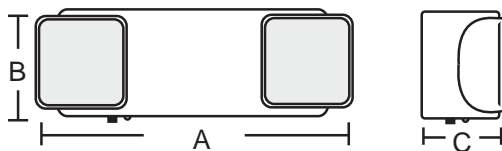
LAMP HEAD FEATURES

The XLP series is normally supplied with two (2) front mounted square heads with 5.4W wedge base incandescent lamps. Lamp heads are mounted within a ratcheted track that allows correct and accurate beam positioning. Lamp heads are constructed of high impact thermoplastic in a color matching the finish of the housing (white is standard). Lens material is a high-impact polystyrene.

UNIVERSAL MOUNTING

The XLP emergency lighting unit uses a universal mounting bracket that snaps into the XLP housing. Easy field wiring and durability make the XLP a favorite among contractors.

DIMENSIONS (in.)



Wattage	A"	B"	C"
2x5.4W (S1)	11.7"	4.2"	5"
2x5.4W (S2)	12"	4.2"	5"

WARRANTY

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

XLP-S3 Diagnostics Thermoplastic Emergency



PRODUCT OVERVIEW

The XLP-S3 series is an innovative, yet economical thermoplastic emergency luminaire that includes the Beghelli **AutotesT** diagnostic circuit as standard equipment. The XLP-S3 allows for instant visual verification of the operating status. Configured to run up to a 6W remote load, the XLP-S3 comes standard with a 6V 7Ah battery. The simple, non-intrusive design, damp location rating and easy installation make the XLP-S3 ideal for commercial, institutional & public projects.

EXTERNAL SPECIFICATIONS

The XLP-S3 series is constructed from durable corrosion and flame resistant thermoplastic. Emergency lighting heads are molded from high-impact thermoplastic in a color that matches the housing. The lens material is a high-impact polystyrene. Universal mounting bracket is easily snapped onto the XLP housing. External test switch and monitor LED are standard.

INTERNAL SPECIFICATIONS

Standard 120/277VAC input, 6V 7Ah sealed lead calcium battery provides minimum 90 minutes emergency duration.

AutotesT: integrated diagnostics that monitor and indicate battery disconnect, charger failure, lamp failure & transformer fault.

The XLP-S3 series is suitable for surface wall or ceiling mounting. Suitable for indoor & damp location installations on normally inflammable surfaces.

INSTALLATION

The XLP-S3 series uses an integrated universal mounting bracket that securely snaps into the back of the XLP-S3 housing. Supplied with all the required standard mounting hardware and easy field wiring, the XLP-S3 series is a favorite among installers.

ORDERING INFORMATION

Series	Model	Diagnostics	Options
XLP	S3 (6V 18W)	AT (autotest)	7L (7.2W lamps)
		Note: The Autotest diagnostic feature is standard.	9L (9W lamps)
			B (black housing)
			IRT (infrared remote test)
			Note: IRT option includes handheld remote

XLP-S3 BUILDER

Series	Model	Diagnostics	Options
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

EXAMPLE: XLP-S3-AT
 DESCRIPTION: XLP, thermoplastic emergency, 6V 18W unit, autotest diagnostics.

JOB:	TYPE:
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AUTOTEST DIAGNOSTICS

The XLP-S3 series comes standard with the Beghelli **AutotesT** diagnostic system. Featuring continuous monitoring of the units main components (battery, charger, transformer and lamps) and providing instant visual verification of the status.

AUTOTEST FEATURES

- Monitor battery disconnection, charger failure, lamp failure and transformer fault every 5 seconds without discharging the battery.
- Automatically indicates lamp, battery and charger status by dual-color LED lamp.
- Factory preset AutotesT does not need to be field adjusted or reset for proper operation.

AUTOTEST FUNCTIONS:

- Verifies battery disconnect, charger board failure, lamp failure and transformer failure every 5 seconds.
- One (1) minute autotest every month.
- Thirty (30) minute autotest every six (6) months.
- Ninety (90) minute autotest every twelve (12) months.

AUTOTEST VISUAL ALERT

(1) blink red LED	=	Battery not connected
(2) blinks red LED	=	Battery shorted and/or Battery voltage drop
(3) blinks red LED	=	Charger board fault
(4) blinks red LED	=	Transformer fault
(5) blinks red LED	=	Emergency lamp fault
(6) blinks red LED	=	Remote lamp fault

AUTOTEST MANUAL FUNCTIONS:

- Press test button 1x (within 2 sec.) = 1 minute test
- Press test button 2x (within 2 sec.) = 5 minute test
- Press test button 3x (within 2 sec.) = 30 minute test
- Press test button 4x (within 2 sec.) = 90 minute test

HOUSING

The XLP-S3 series is constructed from corrosion and flame resistant thermoplastic. Lightweight and durable, the XLP-S3 is an easy to install solution in areas where materials such as steel and aluminum may deteriorate. The XLP-S3 mounting bracket can be connected to a standard junction box.

BATTERY

The XLP-S3 series features a maintenance-free sealed lead calcium battery (6V 7Ah) that provides the XLP-S3 with a minimum emergency operating time of 90 minutes. The XLP-S3 is configured to operate one (1) remote location emergency head with a maximum 6W lamp load. Recharge time for the battery is 24 hours. The maximum operating temperature is 50°C.

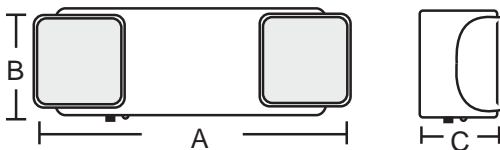
LAMP HEAD FEATURES

The XLP-S3 series uses two (2) front mounted square heads with 5.4W wedge base incandescent lamps. Optional 7.2w or 9w wedge base lamps are available. The lamp heads are securely mounted within a track that provides easy rotation and adjustment, ensuring proper beam positioning. Lamp heads are constructed from high-impact thermoplastic. The lens material is a high-impact polystyrene.

SUITABLE FOR DAMP LOCATION

The XLP-S3 series is rated for use in damp locations. The XLP-S3 is ideal for use in exterior covered breezeways, warehouses, covered corridors, pool areas and high humidity regions.

DIMENSIONS (in.)



Wattage	A"	B"	C"
2x5.4W	11.7"	4.2"	5"

WARRANTY

The XLP-S3 Series comes with a 5-year factory warranty. Lamps are not covered under the warranty. Deliberate damage, misuse, improper installation effectively cancel the warranty.



PRODUCT OVERVIEW

The Ecco-Luna is an architecturally designed emergency luminaire that performs. Italian design, high performance optics, durable polycarbonate construction, fully enclosed lamp heads, easy installation and a competitive price make the Ecco-Luna a favorite among contractors, distributors and specifiers. The vandal and impact resistant polycarbonate housing completely encloses the reflector and fully adjustable 8W lamp assemblies. Damp location option included.

EXTERNAL SPECIFICATIONS

The Ecco LUNA series housing is constructed from high quality corrosion, flame and vandal resistant polycarbonate. The highly efficient lens completely encloses and protects the units lamp assemblies. Vandal resistant latch clips ensure the integrity of the Ecco LUNA emergency lighting unit.

INTERNAL SPECIFICATIONS

The Ecco LUNA 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 Ecco LUNA emergency luminaire is suitable for surface wall or ceiling mounting. Suitable for indoor / damp (standard) installation. 120/277VAC.

ORDERING INFORMATION

Series	Lamps	Operation	Input Voltage	Options
EL	28 (2x8W halogen)	SE (emergency only)	UNV (120/277V)	DL (damp location) AT (auto test)

ECCO LUNA BUILDER

Series	Lamps	Operation	Input Voltage	Options
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

EXAMPLE: EL-28SE-UNV-DL
DESCRIPTION: EL emergency luminaire, 2x8W halogen, damp location 120/277V

JOB:	TYPE:
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The Ecco LUNA series emergency luminaire is configured for standard operation 120/277VAC dual voltage input with current limit protection. Current charge regulator is standard. Minimum 90 minutes emergency duration. 24 hour charge time.

BATTERY & CIRCUIT TECHNOLOGY

The Ecco LUNA series emergency unit uses an internal 6 volt 5ah sealed lead acid battery that provides a minimum 90 minutes emergency duration. The automatic recharge circuit is regulated by an electronic volt sensor and the battery is protected by a low-voltage cut-off circuit. 120/277VAC dual voltage input. The maximum operating temperature is 50° C.

VANDAL RESISTANT DESIGN

The Ecco LUNA lens reflector cover has been designed to fully enclose the lamp assemblies. This protects the lamp heads from tampering and unwanted repositioning.

REFLECTOR

The Ecco LUNA reflector is made of injection molded, self-extinguishing, UV stabilized polycarbonate. The reflector supports components including the lamp assemblies and circuit.

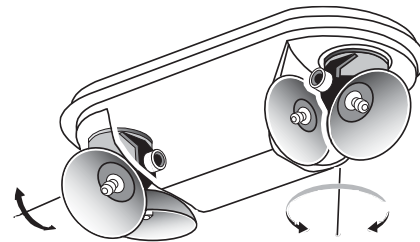
The Ecco LUNA series emergency luminaire is available with a standard damp location label. The Ecco LUNA with the damp option is an ideal solution for exterior covered breezeways, warehouses, covered corridors and high humidity regions.

HIGH-OUTPUT DESIGN

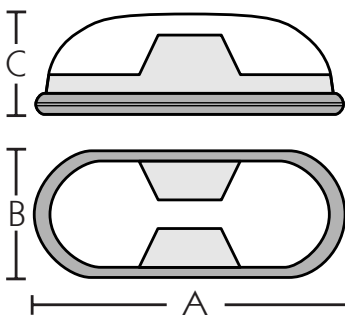
The Ecco LUNA incorporates an efficient and high-output lens. The diffusion lens has been designed to effectively transmit the greatest amount of luminaires with the least transmittal loss.

DIFFUSER

The Ecco LUNA diffuser is UV stabilized to reduce the yellowing index and provide superior light output.



DIMENSIONS (in.)



Wattage	A"	B"	C"
2x8W	17"	6 1/2"	4"

WARRANTY

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





PRODUCT OVERVIEW

The RSE series of emergency lighting units are designed to fully recess into a wall or ceiling to architecturally blend with the surrounding environment. Designed with the PulseGuard pulse switching charger; offering superior performance and energy efficiency versus conventional constant voltage chargers. Torsion springs securely hold the units cover in place, while allowing for trouble-free installation. Par36 style emergency heads are standard.

EXTERNAL SPECIFICATIONS

The RSE series cabinet is constructed from durable 20 gauge steel. White powder coat finish is standard (other colors optional). Emergency lighting heads are molded from high impact thermoplastic in a matching color; LR Par36 style heads are standard, SR Par18 style heads are optional. External test switch and monitor LED are standard.

INTERNAL SPECIFICATIONS

The RSE 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 RSE emergency luminaire is suitable for recessed ceiling or wall mounting. Suitable for indoor installation 120/277VAC.

LAMP SELECTION

6V TUNGSTEN:	standard: 9W, (H) halogen: 8W, 10W, 12W
6V SEALED BEAM:	(SB) tungsten: 9W, 12W (SBH) halogen: 12W
12V TUNGSTEN:	standard: 9W (H) halogen: 8W, 12W
12V SEALED BEAM:	(SB) tungsten: 12W (SBH) halogen: 8W

ORDERING INFORMATION

Series	Operation	Capacity	Heads	Lamps	Options
RSE	6 (volt DC)	18 (6V)	1SR (single Par18)	See Lamp	AT (auto-test)
	12 (volt DC)	27 (6V)	2SR (double Par18)	guide above	NC (nickel cadmium battery)
		36 (6V, 12V)	1LR (single Par36)		TD (time delay - specify volt)
			2LR (double Par36)		CC (custom color - specify)
			0 (no heads)		

RSE BUILDER

Series	Operation	Capacity	Heads	Lamps	Options
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

EXAMPLE: RSE-12-36-2LR-9W
 DESCRIPTION: RSE emergency luminaire, emergency only, 120/277V, 12V, 36W, 2 par36, 12V 9W lamps.

JOB:	TYPE:
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MECHANICAL SPECIFICATIONS

The RSE is constructed with a solid and durable 20 gauge steel housing. Torsion springs firmly hold the RSE cover in place allowing for easy installation and maintenance. Remote lamp loads are connected to the emergency power supply with sturdy magnum terminal connectors. These connectors allow for a large gauge of wire to be used, increasing the flexibility of installation. The RSE is supplied standard in a durable white powder coat, baked finish. Other colors are available, including custom color matching, please specify.

CHARGER SPECIFICATIONS

The RSE 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. 120/277VAC dual voltage input.

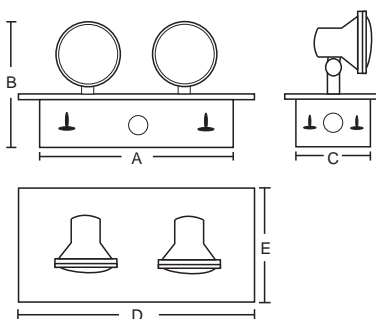
BATTERY TECHNOLOGY

The RSE 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.

RECESSED DESIGN

The RSE series emergency unit is designed to be fully recessed into a drop ceiling, standard ceiling or wall. Torsion springs securely hold the RSE cover in place. The fully recessed design make the RSE ideal for running remote loads and maintaining an architectural element.

DIMENSIONS (in.)



Wattage	A"	B"	C"	D"	E"
18W-36W	10.2"	9.5"	8.1"	13"	9.2"

BEGHELLI AUTO-TEST (AT)

The RSE 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			
		90	120	180	240
RSE-6-18	6	18	12	N/A	N/A
RSE-6-27	6	27	20	N/A	N/A
RSE-6-36	6	36	24	18	12
RSE-12-36	12	36	24	18	12

LAMP HEAD FEATURES

The RSE series is normally supplied with two (2) LR Par36 style 9w heads. SR Par18 style heads are optional. 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.

WARRANTY

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



PRODUCT OVERVIEW

The RTB series of indoor architectural emergency lighting units are specifically designed for installation into T-bar type ceiling grid systems. The “above ceiling” installation provides for a clean and architecturally pleasing appearance. The RTB series utilizes a pulse switching charger that offers superior performance and energy efficiency. Par36 style emergency heads are standard.

INTERNAL SPECIFICATIONS

The RTB 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.

EXTERNAL SPECIFICATIONS

The RTB series is constructed with a 20 gauge steel cabinet. Magnum terminal connectors allow for larger gauge wires to be connected for remote loads. White powder coat finish is standard (other colors optional). Emergency lighting heads are molded from high impact thermoplastic in a matching color; LR Par36 style heads are standard, SR Par18 style heads are optional. Secure side brackets mount directly onto the T-bar; chain mounting holes are easily accessible. Conduit knockouts are stamped into the sides of each unit. External test switch and monitor LED are standard.

INSTALLATION

The RTB emergency luminaire is suitable for installation on T-Bar type grid ceiling system. Suitable for indoor installations. 120/277VAC.

LAMP SELECTION

6V TUNGSTEN:	standard: 9W, (H) halogen: 8W, 10W, 12W, 20W (SB) tungsten: 9W, 12W, 18W (SBH) halogen: 12W, 20W
6V SEALED BEAM:	standard: 9W, 18W (H) halogen: 8W, 12W, 20W, *35W, (*LR only) (SB) tungsten: 12W, 18W (SBH) halogen: 8W
12V TUNGSTEN:	
12V SEALED BEAM:	

ORDERING INFORMATION

Series	Operation	Capacity	Heads	Lamps	Options
RTB	6 (volt DC)	27 (6V)	1SR (single Par18)	See	AT (auto-test)
	12 (volt DC)	36 (6V, 12V)	2SR (double Par18)	lamp	NC (nickel cadmium battery)
		54 (6V, 12V)	1LR (single Par36)	selection	TD (time delay - specify volt)
		100 (6V, 12V)	2LR (double Par36)		CC (custom color)
			0 (no heads)		VM (volt meter)

RTB BUILDER

Series	Operation	Capacity	Heads	Lamps	Options
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

EXAMPLE: RTB-6-54-2LR-18W(SB)-AT
 DESCRIPTION: RTB emergency luminaire, emergency only, 120/277, 6V, 54W, 2 Par36 heads, 6V 18W sealed beam lamp, auto-test

JOB:	TYPE:
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MOUNTING SPECIFICATIONS

The RTB is designed to be installed into T-bar type grid ceiling systems. This type of mounting provides a clean and architecturally conscious installation since the cabinet and all wiring connections can be hidden above the ceiling. Once installed, all that remains visible is the attractive front plate and unit lamp heads. The RTB has a T-bar mounting bracket located on each side of the unit that aligns the unit onto the T-bar grid. Various chain holes can also be accessed to chain mount the unit to secure points above the ceiling line.

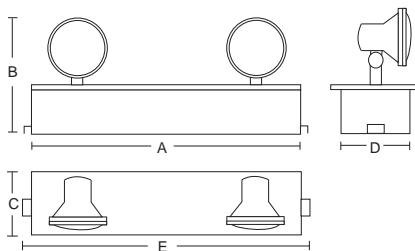
MECHANICAL SPECIFICATIONS

The RTB is constructed with a solid and durable 20 gauge steel housing. Stamped conduit knockouts are provided on the sides of all RTB units. Remote lamp loads are connected to the emergency power supply with sturdy magnum terminal connectors. These connectors allow for a large gauge of wire to be used, increasing the flexibility of installation. The RTB is supplied standard in a durable white powder coat, baked finish. Other colors are available, including color matching, please specify.

CHARGER SPECIFICATIONS

The RTB 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.

DIMENSIONS (in.)



Wattage	A"	B"	C"	D"	E"
27W-100W	24"	4"	5"	3.25"	25.75"

BATTERY TECHNOLOGY

The RTB 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.

MODEL RATING GUIDE

Model	Voltage	Wattage			
		90	120	180	240
RTB-6-27	6	27	20	14	10
RTB-6-36	6	36	24	18	12
RTB-6-54	6	54	40	34	20
RTB-12-36	12	36	24	18	12
RTB-12-54	12	54	40	34	20
RTB-12-100	12	100	75	50	40

LAMP HEAD FEATURES

The RTB series is typically supplied with two (2) LR Par36 style 9w heads. SR Par18 heads are also available. Both head styles are constructed of high impact thermoplastic in a color matching the finish of the cabinet (white is standard). Both feature a unique twist locking collar that securely holds the lens and facilitates quick and easy re-lamping.

BEGHELLI AUTO-TEST (AT)

The RTB 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.

WARRANTY

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



INTERNAL SPECIFICATIONS

The RDO 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.

EXTERNAL SPECIFICATIONS

The RDO series is constructed from durable and lightweight aluminum. The standard trim plate is finished in white powder coat. External test switch and monitor LED are standard.

INSTALLATION

The RDO emergency luminaire is suitable for ceiling recess installations. Suitable for indoor location installations. 120/277VAC.

PRODUCT OVERVIEW

The RDO series emergency luminaire has been designed to be fully recessed and blend in with the surrounding environment. The housing and gimbal assembly use corrosion and flame resistant lightweight aluminum. All RDO electronics are fully self-contained within the housing; this allows for easy handling and effortless installation. The standard trim plate comes finished in powder coat white.

ORDERING INFORMATION

Series	Operation	Lamps
RDO	SE (emergency only)	8W (halogen)
	RC (remote only)	

RDO BUILDER

Series	Operation	Lamps
<input type="text"/>	<input type="text"/>	<input type="text"/>

EXAMPLE: RDO-SE-8W
 DESCRIPTION: RDO emergency luminaire, emergency only, 120/277, 8W halogen, recess mount.

JOB:	TYPE:
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MECHANICAL SPECIFICATIONS

The RDO is constructed with corrosion and flame resistant lightweight aluminum. The gimbal assembly allows for proper beam positioning. All electronics are fully self-contained allowing easy handling and installation. The RDO comes standard with a single 8W halogen lamp. The trim plate is finished in durable powder coat white. External test switch and monitor LED are standard.

LAMP HEAD FEATURES

The RDO series is supplied with one (1) 8 watt bi-pin halogen lamp. The fully recessed design of the RDO uses an adjustable gimbal for correct and accurate beam positioning.

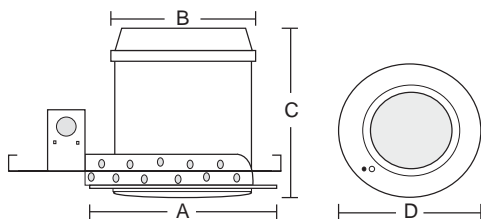
BATTERY TECHNOLOGY

The RDO series is designed with a 6V 4.5Ah 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.

CHARGER SPECIFICATIONS

The RDO 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.

DIMENSIONS (in.)



Wattage	A"	B"	C"	D"
8W	9"	6.7"	7.2"	9"

WARRANTY

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

Wet Location Architectural Emergency





Luna Series

Halogen lamp: 5W

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Ceiling & wall installed product specification. Wet location /IP65.	35
Technical Data	36



Luna XLR Series

Halogen lamp: 5W

Page

Ceiling & wall installed product specification. Wet location /IP65.	37
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Tempesta Series

Compact fluorescent lamp: 24W

Page

Ceiling & wall installed product specification. Wet location /IP65.	39
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Gran Luce Series

Linear fluorescent lamp: 24W

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Ceiling & wall installed product specification. Wet location /IP65.	41
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Stormguard Series

Compact fluorescent lamp: 24W

Page

Ceiling & wall installed product specification. Wet location /IP65.	43
Technical Data	44



PRODUCT OVERVIEW

The LUNA series offers the ultimate in Italian design and technology. Legendary durability, reliability and performance best describe the LUNA. The fully gasketed housing encloses the high output metalized reflector and lamp head assemblies. Beghelli AUTOTEST diagnostics comes standard. The patented Path Marking System safely and effectively designates the path of egress in a smoke filled environment. LUNA featuring FLAT technology (functional LED active technology) can be configured using 3W or 5W high-output, high-efficiency white LED's.

DIFFUSER

The LUNA diffuser is UV stabilized to reduce the yellowing index and provide superior light output. The co-injection process increases the strength and durability of the LUNA diffuser.

INSTALLATION

Surface ceiling or wall mounting. Suitable for wet location installations.

REFLECTOR

The LUNA reflector is made of injection molded, self-extinguishing, UV stabilized polycarbonate. Vacuum finishing results in a highly reflective surface. The reflector supports components including the lamp holder and circuit.

EXTERNAL SPECIFICATIONS

The LUNA series housing is constructed from high quality corrosion, flame and vandal resistant polycarbonate. The highly efficient lens completely encloses and protects the units lamp assemblies. Liquid silicon gasketing is "hot-bonded" to the housing during the manufacturing process, ensuring its durability and effectiveness. Vandal resistant latch clips ensure the integrity of the LUNA emergency lighting unit.

INTERNAL SPECIFICATIONS

The LUNA series uses dedicated 120V or 277V AC. The automatic recharge circuit is regulated by an electronic voltage sensor and the battery is protected by a low voltage cut-off circuit.

Custom color

The LUNA series can be ordered in optional (CC) custom color finishes.



ORDERING INFORMATION

Series	Lamps	Operation	Input Voltage	Auto-Test	Options
LA	25 (2x5w halogen)	SE (emergency only)	US (120v) US2 (277v)	*AT (auto-test)	L (path marking system) CC (custom color - specify) 3W (LED-White) 5W (LED-White)

LUNA BUILDER

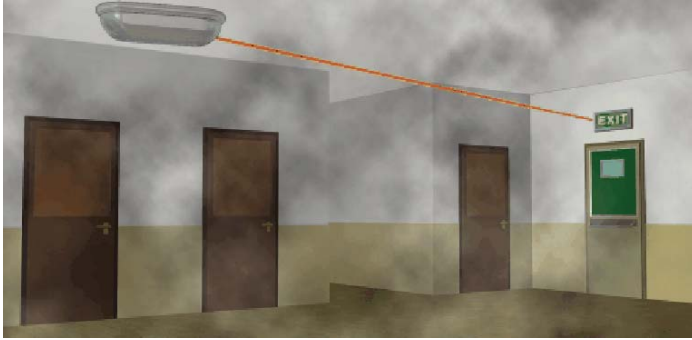
Series	Lamps	Operation	Input Voltage	Auto-Test	Options
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

EXAMPLE: LA25-SE-US-AT
DESCRIPTION: Luna emergency luminaire, 2x5 watt halogen, 120V, auto-test

*Beghelli Auto-Test comes standard on all LUNA emergency units.

JOB: TYPE:






BATTERY & CIRCUIT TECHNOLOGY



The LUNA series specified with the optional “path marking system” offers an entirely new level of egress safety. The patented “path marking system” clearly marks the exit and the path leading to the exit in smoke filled environments. Laser technology is instantly recognizable as a path marker and is easily followed to safety. The laser can be installed on either side of the LUNA and directed towards the exit. The “path marking system” is ideal for use in environments that make use of steam, dry ice, special effects, pyrotechnics and chemicals. It is also ideal in hospitals, nursing homes, schools, universities, shopping centers, hotels, resorts and theme parks.

AUTO-TEST DIAGNOSTICS

The LUNA series is supplied standard with a fully configured auto-test feature that continually monitors the functional operation of the unit. The lamps, battery and circuitry are continually tested to ensure proper operation. A visual display alerts of any malfunctioning component.

-  Flashing Red: Emergency Inhibited / Under Change
-  Red: Battery or Circuit Malfunction
-  Yellow: Lamp Malfunctioning
-  Flashing Yellow: Test Active
-  Green: Normal Operation

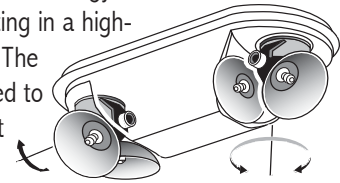
Auto-test is comprised of an 8-bit microprocessor capable of integrating a large number of functions. Auto-test continually monitors the functional operation of the lamps, battery and circuitry. Periodic emergency duration tests are internally simulated to ensure proper operation during an actual power failure. The functionality test, which is internally simulated weekly, is used to check all functions of the lamps over a one (1) minute period. The emergency duration test, which is run every six (6) months, is used to check all functions of the lamps and battery over a period of time equal to the emergency duration required under the relevant Code or Standard. Results of the tests are displayed by the multi-color LED located on the front panel of the LUNA where it can be quickly and easily read by maintenance personnel.

IP65 / WET LOCATION GASKETING

The LUNA carries an IP65 / Wet location rating due to the advanced liquid silicon gasketing that completely seals the unit from moisture infiltration. Emergency units are especially vulnerable to fire sprinkler activation since emergency lighting units are often installed right next to sprinkler heads. The IP65 / Wet location rating ensures protection not just from ambient moisture but also from jets of water like those given off by broken or activated sprinkler heads.

HIGH-OUTPUT DESIGN

The LUNA incorporates an efficient and high-output lens and reflector. Vacuum vaporization technology is used in the manufacturing of the reflector, resulting in a high-efficiency, mirror-like reflector. The diffusion lens has been designed to effectively transmit the greatest amount of luminaires with the least amount of transmittal loss.



Lamp assemblies can be rotated, aimed and locked on two (2) axis for the ultimate in adjustability, ease of use and accurate beam positioning.

FLAT (functional LED active technology)

LUNA offers the option of using 3W or 5W white LED's. The LED's feature more than 2X the performance of the standard 5W halogen. The high color temperature produces a white beam of light. Controlling the light is the Beghelli TIR (total internal reflection), which generates a long throw, yet effective beam spread. Using almost half the power of the standard lamp source, the LED version of the LUNA is able to operate for greater periods of time. Lamp life of the LED source is rated at 50,000 hours.

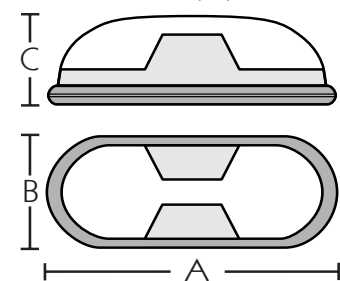
BATTERY & CIRCUIT TECHNOLOGY

The LUNA series emergency unit uses an internal 6 volt 5Ah sealed lead acid battery that provides a minimum 90 minutes emergency duration. The automatic recharge circuit is regulated by an electronic volt sensor and the battery is protected by a low-voltage cut-off circuit. An input voltage of 120V or 277V must be selected when ordering from the factory.

WARRANTY

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

DIMENSIONS (in.)



Wattage	A"	B"	C"
2x5W	17"	6 1/2"	4"



PRODUCT OVERVIEW

The LUNA XLR has been configured to operate higher output lamps and / or carry a remote load. The Italian designed housing complements any interior, while the polycarbonate construction ensures durability. With the ability to house an additional battery, the LUNA XLR is ideal for running a small remote load. The patented Path Marking System safely and effectively designates the path of egress in a smoke filled environment. LUNA featuring FLAT technology (functional LED active technology) can be configured using 3W or 5W high-output, high-efficiency white LED's.

DIFFUSER

The LUNA XLR diffuser is UV stabilized to reduce the yellowing index and provide superior light output. The co-injection process increases the strength and durability of the LUNA XLR diffuser.

INSTALLATION

Surface ceiling or wall mounting. Suitable for wet location installations on normally inflammable surfaces.

ORDERING INFORMATION

Series	Lamps	Operation	Input Voltage	Auto-Test	Options
LAX	25 (2x5w halogen)	SE (emergency only)	US (120v) US2 (277v)	*AT (auto-test)	L (path marking system) CC (custom color - specify) 3W (LED) 5W (LED) 8WH (8 watt halogen) 10WH (10 watt halogen) 12WH (12 watt halogen)

LUNA BUILDER

Series	Lamps	Operation	Input Voltage	Auto-Test	Options
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

EXAMPLE: LAX25-SE-US-AT
DESCRIPTION: Luna emergency luminaire, 2x5 watt halogen, 120V, auto-test

*Beghelli Auto-Test comes standard on all LUNA XLR emergency units.

JOB:	TYPE:
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REFLECTOR

The LUNA XLR reflector is made of injection molded, self-extinguishing, UV stabilized polycarbonate. Vacuum finishing results in a highly reflective surface. The reflector supports components including the lamp holder and circuit.

EXTERNAL SPECIFICATIONS

The LUNA XLR series housing is constructed from high quality corrosion, flame and vandal resistant polycarbonate. The highly efficient lens completely encloses and protects the units lamp assemblies. Liquid silicon gasketing is "hot-bonded" to the housing during the manufacturing process, ensuring its durability and effectiveness. Vandal resistant latch clips ensure the integrity of the LUNA XLR emergency lighting unit.

INTERNAL SPECIFICATIONS

The LUNA XLR series uses dedicated 120V or 277V AC. The automatic recharge circuit is regulated by an electronic voltage sensor and the battery is protected by a low voltage cut-off circuit.

Custom color

The LUNA XLR series can be ordered in optional (CC) custom color finishes.








BATTERY & CIRCUIT TECHNOLOGY



The LUNA XLR series specified with the optional “path marking system” offers an entirely new level of egress safety. The patented “path marking system” clearly marks the exit and the path leading to the exit in smoke filled environments. Laser technology is instantly recognizable as a path marker and is easily followed to safety. The laser can be installed on either side of the LUNA XLR and directed towards the exit. The “path marking system” is ideal for use in environments that make use of steam, dry ice, special effects, pyrotechnics and chemicals. It is also ideal in hospitals, nursing homes, schools, universities, shopping centers, hotels, resorts and theme parks.

AUTO-TEST DIAGNOSTICS

The LUNA XLR series is supplied standard with a fully configured auto-test feature that continually monitors the functional operation of the unit. The lamps, battery and circuitry are continually tested to ensure proper operation. A visual display alerts of any malfunctioning component.

-  Flashing Red: Emergency Inhibited
-  Red: Battery or Circuit Malfunction
-  Yellow: Lamp Malfunctioning
-  Flashing Yellow: Test Inhibited
-  Green: Normal Operation

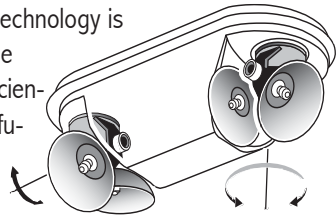
Auto-test is comprised of an 8-bit microprocessor capable of integrating a large number of functions. Auto-test continually monitors the functional operation of the lamps, battery and circuitry. Periodic emergency duration tests are internally simulated to ensure proper operation during an actual power failure. The functionality test, which is internally simulated weekly, is used to check all functions of the lamps over a one (1) minute period. The emergency duration test, which is run every six (6) months, is used to check all functions of the lamps and battery over a period of time equal to the emergency duration required under the relevant Code or Standard. Results of the tests are displayed by the multi-color LED located on the front panel of the LUNA XLR where it can be quickly and easily read by maintenance personnel.

IP65 / WET LOCATION GASKETING

The LUNA XLR carries an IP65 / Wet location rating due to the advanced liquid silicon gasketing that completely seals the unit from moisture infiltration. Emergency units are especially vulnerable to fire sprinkler activation since emergency lighting units are often installed right next to sprinkler heads. The IP65 / Wet location rating ensures protection not just from ambient moisture but also from jets of water like those given off by broken or activated sprinkler heads.

HIGH-OUTPUT DESIGN

The LUNA XLR incorporates an efficient and high-output lens and reflector. Vacuum vaporization technology is used in the manufacturing of the reflector, resulting in a high-efficiency, mirror-like reflector. The diffusion lens has been designed to effectively transmit the greatest amount of luminares with the least amount of transmittal loss. Lamp assemblies can be rotated, aimed and locked on two (2) axis for the ultimate in adjustability, ease of use and accurate beam positioning.



FLAT (functional LED active technology)

LUNA offers the option of using 3W or 5W white LED's. The LED's feature more than 2X the performance of the standard 5W halogen. The high color temperature produces a white beam of light. Controlling the light is the Beghelli TIR (total internal reflection), which generates a long throw, yet effective beam spread. Using almost half the power of the standard lamp source, the LED version of the LUNA is able to operate for greater periods of time. Lamp life of the LED light source is rated at 50,000 hours.

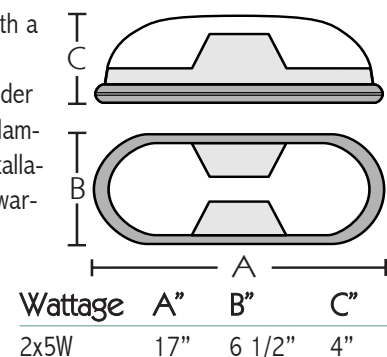
BATTERY & CIRCUIT TECHNOLOGY

The LUNA XLR series emergency unit uses two(2) internal 6 volt 5Ah sealed lead acid batteries that provides a minimum 90 minutes emergency duration and remote capability. The automatic recharge circuit is regulated by an electronic volt sensor and the battery is protected by a low-voltage cut-off circuit. An input voltage of 120v or 277v must be selected when ordering from the factory.

WARRANTY

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

DIMENSIONS (in.)





PRODUCT OVERVIEW

The TEMPESTA offers Italian design, reliability and increased fixture to fixture performance. The use of fluorescent technology allows for an improved spread of light, fewer units to install and maintain and creates a safer environment during a power failure. The lens is clear by design, allowing the greatest amount of light to be dispersed. Designed for wall or ceiling installations.

REFLECTOR

The TEMPESTA reflector is made of injection molded, self-extinguishing, UV stabilized polycarbonate. Vacuum finishing results in a highly reflective surface. The reflector supports components including the lamp holder and reflective hood.

DIFFUSER

The TEMPESTA diffuser is UV stabilized to reduce the yellowing index and provide superior light output. The co-injection process increases the strength and durability of the TEMPESTA diffuser.

EXTERNAL SPECIFICATIONS

The TEMPESTA series housing is constructed from high quality corrosion, flame and vandal resistant polycarbonate. Vandal resistant latch clips ensure the integrity of the TEMPESTA. Mounting locations for ceiling or wall installations are clearly marked on the housing. The TEMPESTA comes finished in a standard grey RAL 7035 color. An external test switch allows for momentary test operation.

INTERNAL SPECIFICATIONS

The TEMPESTA series is configured with universal 120/277VAC input. The automatic recharge circuit is regulated by an electronic volt sensor and the battery is protected by a low voltage cut-off circuit.

INSTALLATION

Surface or recess ceiling and wall mounting. Suitable for wet location installations.

BATTERY TECHNOLOGY

The TEMPESTA series is offered standard with a 5 cell nickel cadmium battery pack that provides a minimum of 90 minutes emergency duration.

VANDAL RESISTANT DESIGN

The TEMPESTA series diffuser has been designed to fully enclose and protect the lamp assembly. Vandal resistant flush housing latch clips ensure the integrity of the TEMPESTA and discourage fixture tampering.

ORDERING INFORMATION

Series	Lamps	Operation	Input Voltage	Auto-Test	Options
TA	24 (1x24w PL fluorescent)	HT (AC only)	UNV (120/277v)	*AT (auto-test)	NM (Ni-Mh batteries)
		SE (emergency only)			RTD (recess trimplate drywall)
					RTT (recess trimplate t-bar)

TEMPESTA BUILDER

Series	Lamps	Operation	Input Voltage	Auto-Test	Options
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

EXAMPLE: TA24-SE-UNV-AT

DESCRIPTION: Tempesta emergency luminaire, emergency only, 120/277V, auto-test

*Beghelli Auto-Test comes standard on all TEMPESTA emergency units.

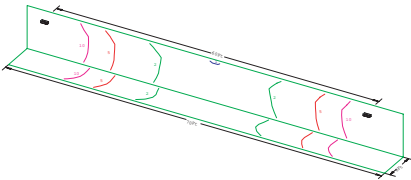
JOB:	TYPE:
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NICKEL METAL HYDRIDE BATTERIES

An optional power source available with the TEMPESTA series are nickel metal hydride (Ni-Mh) batteries. The primary feature of Ni-Mh batteries is their long life. Ni-Mh batteries are capable of 500 to 1000 charge and discharge cycles and the expected life of the battery is higher than the minimum required by the current technical standards (EN60598-2-22). Ni-Mh batteries are not subject to the "memory effect," a typical drawback of Ni-Cd batteries, that could result in a reduction in the nominal operation. A further feature of the Ni-Mh batteries is their very high efficiency, more than double that of lead and Ni-Cd batteries. Nickel Metal Hydride batteries have a low environmental impact and are recyclable.

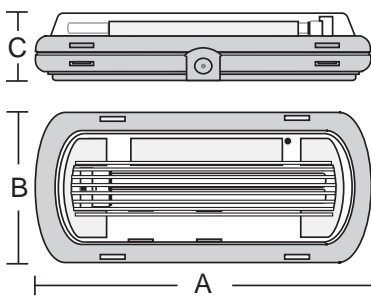
HIGH-OUTPUT DESIGN

The TEMPESTA unit incorporates an efficient high output lens and reflector. Electrostatic vacuum technology is used in the manufacturing of the reflector, resulting in a high transmission mirror-like finish. The diffusion lens has been designed to effectively transmit the greatest amount of luminaires with the least transmittal loss. A removable reflecting hood allows for directional control of the luminaires, increasing the light output at the floor level; resulting in greater fixture to fixture spacing. This in turn reduces installation, operational and maintenance costs overall.



Mounting Height: 8Ft. ceiling
 Room dimensions: 70Ft (L) x 6Ft (W) x 8Ft (H)
 Fixture Spacing: 60Ft.
 Avg. Fc.: 7.65






DIMENSIONS (in.)



Wattage	A"	B"	C"
1x27W	17"	6 1/2"	3 1/2"

AUTO-TEST DIAGNOSTICS

The TEMPESTA is supplied standard with a fully configured auto-test feature that continually monitors the functional operation of the unit. The lamp, battery and circuitry are continually tested to ensure proper operation. A visual display alerts of any malfunctioning component.

-  Flashing Red: Emergency Inhibited
-  Red: Battery or Circuit Malfunction
-  Yellow: Lamp Malfunctioning
-  Flashing Yellow: Test Inhibited
-  Green: Normal Operation

Beghelli auto-test is comprised of an 8-bit microprocessor capable of integrating a large number of functions. Auto-test continually monitors the functional operation of the lamps, battery and circuitry. Periodic emergency duration tests are internally simulated to ensure proper operation during an actual power failure. The functionality test, which is internally simulated weekly, is used to check all functions of the lamps over a one (1) minute period. The emergency duration test, which is run every six (6) months, is used to check all functions of the lamps and battery over a period of time equal to the emergency duration required under the relevant Code or Standard. Results of the tests are displayed by the multi-color LED located on the front panel of the TEMPESTA where it can be quickly and easily read by maintenance personnel.

IP65 / WET LOCATION GASKETING

The TEMPESTA carries an IP65 / Wet location rating due to the advanced liquid silicon gasketing that completely seals the unit from moisture infiltration. Emergency units are especially vulnerable to fire sprinkler activation since emergency lighting units are often installed right next to sprinkler heads. The IP65 / Wet location rating ensures protection not just from ambient moisture but also from jets of water like those given off by broken or activated sprinkler heads.

LAMP TECHNOLOGY

The TEMPESTA unit incorporates a 24 watt compact fluorescent lamp with 1350 lumens during DC operation (1800 lumens AC output). The Tempesta operates at 75% during emergency operations. This in turn, translates into energy efficiency, increased fixture spacing and lower installation costs.

WARRANTY

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



Gran Luce T5/T5HO Fluorescent

WET/IP65



GRAN LUCE



PRODUCT OVERVIEW

The GRAN LUCE offers flexibility in your lighting design by featuring flexibility in its configuration. The GL by Beghelli is offered in AC only, emergency only and always on variations, including test switch. Aesthetically pleasing, yet incredibly durable, the GL can be used in both indoor and outdoor applications. Polycarbonate construction, vandal resistant design and a high performance reflector and diffuser system make for a highly versatile product. Ideal for use in stairwells, closets, corridors, breezeways and under canopies.

DIFFUSER

The diffuser is UV stabilized to reduce the yellowing index and provide superior light output. The co-injection process increases the strength and durability of the diffuser.

REFLECTOR

The reflector is made of injection molded, self-extinguishing, UV stabilized polycarbonate. Vacuum finishing results in a highly reflective surface. The reflector supports components such as the lamp holder.

EXTERNAL SPECIFICATIONS

The GL series housing is constructed from high quality corrosion, flame and vandal resistant polycarbonate. Vandal resistant latch clips ensure the integrity of the GL. Mounting locations for ceiling or wall installations are clearly marked on the housing. The GL comes finished in a standard grey RAL 7035 color.

INTERNAL SPECIFICATIONS

The GLT series is configured with universal 120/277VAC input. The automatic recharge circuit is regulated by an electronic volt sensor and the battery is protected by a low voltage cut-off circuit.

INSTALLATION

Surface or recess ceiling and wall mounting. Suitable for wet location installations.

ORDERING INFORMATION

Series	Operation	Lamps	Input Voltage	Auto-Test
GLT	HT (AC only)	B (2x14w T5)	US (120v)	AT (auto-test)
	SE (emergency only)	C (2x24w T5HO)	US2 (277v)	
	SA (AC & emergency)		UNV (120/277v)	

must specify 120V or 277V for SA version

GLT BUILDER

Series	Lamps	Operation	Input Voltage	Auto-Test	Options
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

EXAMPLE: GLT-SE-C-US-AT

DESCRIPTION: Gran Luce emergency luminaire, emergency only, 2x24w T5HO, 120 volt, auto-test

JOB:	TYPE:
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HIGH-OUTPUT DESIGN

The GL series unit incorporates an efficient high output lens and reflector. Electrostatic vacuum technology is used in the manufacturing of the reflector, resulting in a high transmission mirror-like finish. The diffusion lens has been designed to effectively transmit the greatest amount of luminaires with the least transmittal loss. This in turn reduces installation, operational and maintenance costs overall.

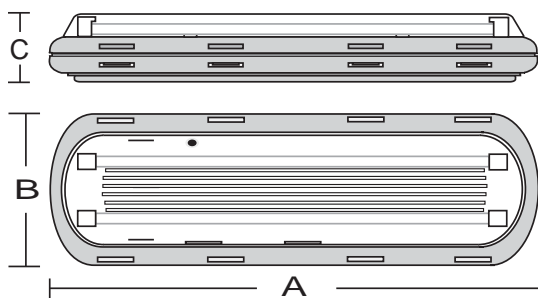
IP65 / WET LOCATION GASKETING

The GL carries an IP65 / Wet location rating due to the advanced liquid silicon gasketing that completely seals the unit from moisture infiltration. Emergency units are especially vulnerable to fire sprinkler activation since emergency lighting units are often installed right next to sprinkler heads. The IP65 / Wet location rating ensures protection not just from ambient moisture but also from jets of water like those given off by broken or activated sprinkler heads.

VANDAL RESISTANT DESIGN

The GL series diffuser has been designed to fully enclose and protect the lamp assembly. Vandal resistant flush housing latch clips ensure the integrity of the GL and discourage fixture tampering.

DIMENSIONS (in.)



Wattage	A"	B"	C"
1x27W	17"	6 1/2"	3 1/2"

WARRANTY

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



PRODUCT OVERVIEW

The STORMGUARD follows the Beghelli tradition of offering a mix of performance, durability, reliability, and ease of installation. The patented Beghelli ‘Plug in’ connection system make the installation and maintenance an effortless task. The use of fluorescent illumination allows for greater fixture to fixture spacing and an extended lamp life. The STORMGUARD is perfect for stairwells, corridors, pool areas, breezeways, patios and parking areas.

REFLECTOR

The STORMGUARD reflector is made of injection molded, self-extinguishing, UV stabilized polycarbonate. The reflector supports components including the circuit, battery and lamp holder.

DIFFUSER

The STORMGUARD diffuser is UV stabilized to reduce the yellowing index and provide superior light output. The STORMGUARD can be configured with either a translucent or clear prismatic diffuser. On average, an increase of +30% light output is achieved by using the clear prismatic diffuser. Both diffusers are +1.23mm thicker than the required UL standard.

EXTERNAL SPECIFICATIONS

The STORMGUARD emergency lighting unit is contained in a corrosion, flame and vandal resistant polycarbonate housing. The UV stabilized polycarbonate translucent lens or optional clear prismatic lens ensures durability and superior light output.

INTERNAL SPECIFICATIONS

The STORMGUARD series uses dedicated 120V or 277V AC. The automatic recharge circuit is regulated by an electronic voltage sensor and the battery is protected by a low voltage cut-off circuit.

INSTALLATION

Surface ceiling or wall mounting. Suitable for wet location installations.

ORDERING INFORMATION

Series	Lamps	Operation	Input Voltage	Options
7	24 (1x24w PL, fluorescent)	HT (AC only)	US (120v)	CL (clear lens)
		SE (emergency only)	US2 (277v)	TP (tamper proof kit)

STORMGUARD BUILDER

Series	Lamps	Operation	Input Voltage	Options
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

EXAMPLE: 724-SE-US-CL

DESCRIPTION: Stormguard emergency luminaire, emergency only, 120 volt, clear lens

JOB:	TYPE:
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WET LOCATION APPLICATIONS

The need for outdoor emergency lighting is increasing. Areas such as hotels, apartments, condominiums, theaters, hospitals, restaurants and other public areas are implementing outdoor emergency units in order for people to exit these areas in case of a power failure and safely move away from the building. The STORMGUARD is ideal for these installations. Corrosion resistant housing and lens ensure outdoor durability. The compact size blends in with the exterior architecture. An optional vandal resistant kit securely keeps the STORMGUARD in place. Installed above an exterior door or along a walkway railing; when the power fails, these paths to safety will be effectively illuminated.

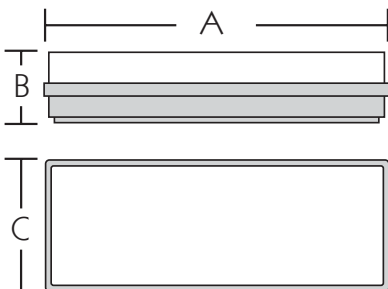
VANDAL RESISTANT DESIGN

An optional tamper proof kit is available when ordering the STORMGUARD. Stainless steel tamper proof screws and a screw bit are included. Another vandal resistant option is the full-face wireguard that completely encloses the lens. As well, the STORMGUARD lens is 2.70mm thick; this is +1.23mm more than the UL required thickness for a lens (1.47mm). These options make the STORMGUARD ideal for installation in schools, health clubs, prisons, warehouses, sports arenas and exterior corridors.

BATTERY & CIRCUIT TECHNOLOGY

The STORMGUARD series emergency unit uses an internal 6 volt 5ah sealed lead acid battery that provides a minimum 90 minutes emergency duration. The automatic recharge circuit is regulated by an electronic volt sensor and the battery is protected by a low-voltage cut-off circuit. An input voltage of 120v or 277v must be selected when ordering from the factory.

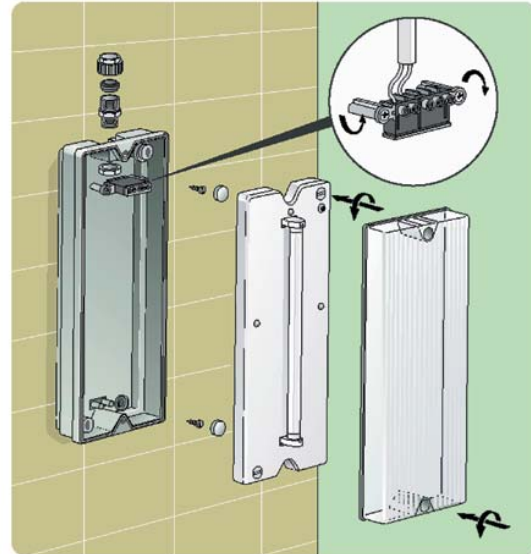
DIMENSIONS (in.)



Wattage	A"	B"	C"
1x27W	15 1/2"	3 3/4"	5 7/8"

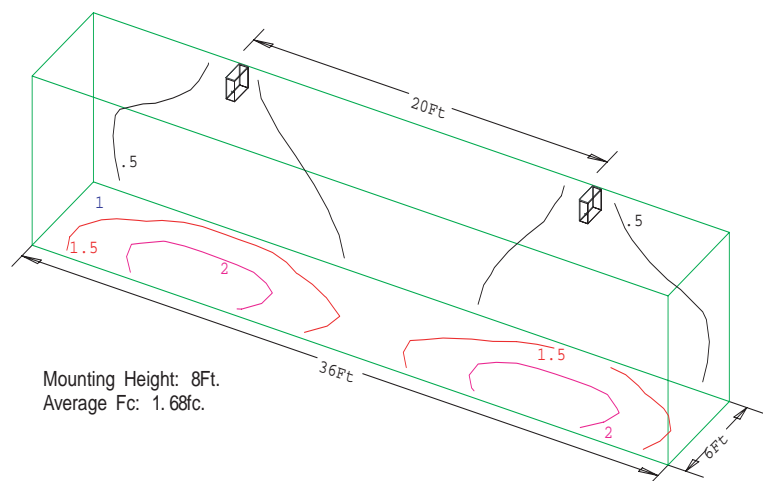
"PLUG-IN" MOUNTING

The STORMGUARD emergency lighting unit uses the Beghelli patented "Plug-In" connection system allowing for easy installation and maintenance.



IP65 / WET LOCATION GASKETING

The STORMGUARD carries an IP65 / Wet location rating due to the advanced liquid silicon gasketing that completely seals the unit from moisture infiltration. Emergency units are especially vulnerable to fire sprinkler activation since emergency lighting units are often installed right next to sprinkler heads. The IP65 / Wet location rating ensures protection not just from ambient moisture but also from jets of water like those given off by broken or activated sprinkler heads.



WARRANTY

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

Industrial Application Emergency





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EDT Series		
<i>Incandescent lamp: 7.2 - 70W</i>	Page	
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Cubico Series		
<i>Incandescent lamp: 8 - 20W</i>	Page	
Wall installed product specification.		
Vandal Resistant	49	
Technical Data	50	



HDT Series		
<i>Incandescent lamp: 7.2 - 50W</i>	Page	
Wall installed product specification.		
NEMA 4X. PVC housing.	61	
Technical Data	62	



ESL Series		
<i>Incandescent lamp: 7.2 - 25W</i>	Page	
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<i>Incandescent lamp: 7.2 - 55W</i>	Page	
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HWE Series		
<i>Incandescent lamp: 7.2 - 70W</i>	Page	
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HDZ Series		
<i>Incandescent lamp: 7.2 - 35W</i>	Page	
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LDT Series		
<i>Incandescent lamp: 7.2 - 55W</i>	Page	
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LAMP SELECTION

6V TUNGSTEN:	standard: 7.2w, 9w, (H) halogen: 8w, 10w, 12w (SB) tungsten: 9w, 12w (SBH) halogen: 12w
6V SEALED BEAM:	standard: 9w, 18w (H) halogen: 8w, 12w, 20w (SB) tungsten: 12w, 18w (SBH) halogen: 8w
12V TUNGSTEN:	
12V SEALED BEAM:	

INSTALLATION

The ESM luminaire is suitable for surface wall or ceiling and pendant mounting. Suitable for indoor installation. 120/277VAC.

PRODUCT OVERVIEW

The ESM series of emergency lighting units offer dependable illumination in a compact and affordable package. The ESM series housing is constructed from durable 20 gauge steel and finished in a white powder coat. Top mounted (LR) Par36 heads are standard. Universal mounting pattern and conduit knock-outs allow for easy field installation.

EXTERNAL SPECIFICATIONS

The ESM series is constructed with a 20 gauge steel cabinet. Magnum terminal connectors allow for larger gauge wires to be connected for remote loads. White powder coat finish is standard (other colors optional). Emergency lighting heads are molded from high impact thermoplastic in a matching color; LR Par36 style heads are standard, SR Par18 style heads are optional. Universal mounting pattern and key hole slots are stamped on the back and conduit knockouts on the sides of each unit.

INTERNAL SPECIFICATIONS

The ESM 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.

LAMP HEAD FEATURES

The ESM series is normally supplied with two (2) top mounted (LR) Par36 style heads. Smaller (SR) Par18 style heads are optional. 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.

ORDERING INFORMATION

Series	Operation	Capacity	Heads	Lamps	Options
ESM	6 (volt DC)	12 (6v)	1SR (single Par18)	See Lamp	AT (auto-test diagnostics)
	12 (volt DC)	18 (6v)	2SR (double Par18)	guide above	NC (nickel cadmium battery)
		27 (6v)	1LR (single par36)		VM (voltmeter)
		36 (6v, 12v)	2LR (double Par36)		TP (tamper proof screws)
		54 (6v, 12v)	0 (no heads)		CC (custom color - specify)
					CS (cord set, 120V only)
					MH (metal headsy)
					AM (ammeter)

ESM BUILDER

Series	Operation	Capacity	Heads	Lamps	Options
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

EXAMPLE: ESM-6-18-2LR-8W(H)-AT

DESCRIPTION: ESM emergency luminaire, emergency only, 120/277, 6V, 18W, 8W halogen lamp, 2 par36, auto-test.

JOB:	TYPE:
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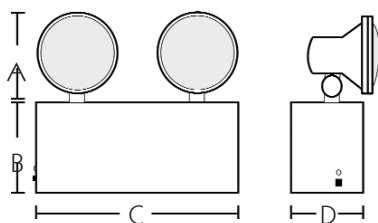
MECHANICAL SPECIFICATIONS

The ESM is constructed from a solid and durable 20 gauge steel housing. The universal mounting pattern stamped into the back of the unit allows for direct mounting to various conduit boxes. Key hole slots are also provided for additional mounting possibilities. Stamped conduit knockouts are supplied standard on all ESM units, providing the widest range of options for AC power source connection. Remote lamp loads are connected to the emergency power supply with sturdy magnum terminal connectors. These connectors allow for a large gauge of wire to be used increasing the flexibility of installation. The ESM is supplied standard in a durable white powder coat, baked finish. Other colors are available, including custom color matching, please specify.

CHARGER SPECIFICATIONS

The ESM 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.

DIMENSIONS (in.)



Wattage	A"	B"	C"	D"
12W-54W	6.5"	4.7"	9"	3.2"

BATTERY TECHNOLOGY

The ESM 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.

MODEL RATING GUIDE

Model	Voltage	Wattage				Cabinet
		90	120	180	240	
ESM-6-12	6	12	8	NA	NA	A
ESM-6-18	6	18	12	8	NA	A
ESM-6-27	6	27	20	14	10	A
ESM-6-36	6	36	27	18	12	A
ESM-6-54	6	54	36	27	18	A
ESM-12-36	12	36	27	18	12	A
ESM-12-54	12	54	36	27	18	A

BEGHELLI AUTO-TEST (AT)

The ESM 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.

WARRANTY

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



PRODUCT OVERVIEW

The CUBICO series emergency unit has been designed for durability and dependability. This vandal-resistant emergency unit features a high-strength steel housing & high impact resistant polycarbonate lenses. Fully enclosed lamp heads prevent repositioning by unauthorized persons. The CUBICO has been designed with the PulseGuard pulse switching charger. The PulseGuard offers superior performance and energy efficiency versus conventional constant voltage chargers. Tamper resistant hardware is standard.

EXTERNAL SPECIFICATIONS

The CUBICO series is constructed with a durable 20 gauge steel housing and high impact-resistant lexan polycarbonate lenses that protect the emergency lighting heads. Durable white powder coat finish. External test switch and monitor LED are standard.

INTERNAL SPECIFICATIONS

The CUBICO series utilizes the PulseGuard pulse switching charger, which is up to 70% more efficient than constant voltage chargers. 120/277VAC is standard, along with a fully automatic current limited charger, Solid State low voltage disconnect, temperature compensation, brownout protection and short circuit protection. Magnum terminal connectors allow for easy remote load connections.

LAMP SELECTION

- 6V TUNGSTEN: **standard:** 9w
(H) halogen: 8w, 10w, 12w, 20w
- 12V TUNGSTEN: **standard:** 9w, 18w
(H) halogen: 8w, 12w, 20w
- 24V TUNGSTEN: **standard:** 9w, 18w
(H) halogen: 12w, 20w

INSTALLATION

Surface ceiling or wall mounting. Suitable for indoor installations, 120/277VAC.

ORDERING INFORMATION

Series	Operation	Capacity	Heads	Lamps	Options
CUB	6 (volt DC)	12 (6v)	1SR (single par18)	See Lamp	AT (auto-test diagnostics)
	12 (volt DC)	18 (6v)	2SR (double par18)	guide above	TD (time delay - specify voltage)
	24 (volt DC)	27 (6v)	3SR (triple par18)		NC (nickel-cadmium battery)
		36 (6v, 12v)	4SR (quad Par18)		CC (custom color - specify)
		54 (6v, 12v)			VM (voltmeter)
		72 (6v, 12v, 24v)			TP (tamper proof screws)
				CS (cord set, 120V only)	
				AM (ammeter)	

CUBICO BUILDER

Series	Operation	Capacity	Lamps	Options
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

EXAMPLE: CUB-12-36-2SR12WH-AT
DESCRIPTION: CUBICO emergency luminaire, emergency only, 120/277, 12V, 36W, 2 par 18, 12W halogen lamps, auto-test diagnostics.

JOB:	TYPE:
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MECHANICAL SPECIFICATIONS

The CUBICO is constructed with a durable 20 gauge steel housing. The universal mounting pattern stamped into the back of the unit allows for direct mounting to various conduit boxes. Key hole slots and stamped conduit knockouts are supplied standard on the CUBICO unit, providing the widest range of options for AC power source connection. Remote lamp loads are connected to the emergency power supply with sturdy magnum terminal connectors. These connectors allow for a large gauge of wire to be used increasing the flexibility of installation. The Cubico is supplied standard in a durable white powder coat, baked finish. Other colors are available, including customer color matching, please specify.

BATTERY & CIRCUIT TECHNOLOGY

The CUBICO series is designed with a maintenance free, sealed lead calcium battery that provides a minimum emergency duration of 90 minutes. Recharge time of the battery is twenty-four (24) hours. Nickel-Cadmium batteries are available as an option.

LAMP HEAD FEATURES

The CUBICO series is normally supplied with two (2) 9w heads, Internally mounted, high output mini reflectors designed to optimize light performance.

CHARGER SPECIFICATIONS

The CUBICO 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.

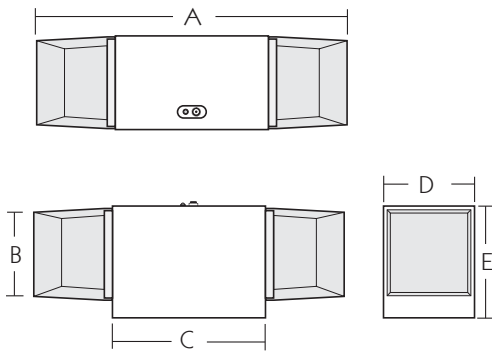
MODEL RATING GUIDE

Model	Voltage	Wattage				Cabinet
		90	120	180	240	
CUB-6-27	6	27	18	12	8	A
CUB-6-36	6	36	27	18	12	A
CUB-6-54	6	54	36	27	18	A
CUB-6-72	6	72	54	36	27	B
CUB-12-36	12	36	27	18	12	A
CUB-12-54	12	54	36	27	18	A
CUB-12-72	12	72	54	36	27	B

BEGHELLI AUTO-TEST (AT)

The CUBICO 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.

DIMENSIONS (in.)



Wattage	A	B	C	D	E	Cabinet
12W-54W	21.5"	5"	12"	5.5"	5.57"	A
72W	27.5"	5"	18"	5.5"	5.57"	B

WARRANTY

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



PRODUCT OVERVIEW

The ESL series of emergency lighting units offers durable construction and architectural design. The ESL housing is constructed from durable 20 gauge steel and finished in a white powder coat. The front access panel is architecturally curved and hinged for trouble-free installation. Front mounted are standard. Front and side mount configurations are available. Universal mounting pattern and conduit knock-outs allow for easy field installation.

EXTERNAL SPECIFICATIONS

The ESL series is constructed with a 20 gauge steel cabinet. Magnum terminal connectors allow for larger gauge wires to be connected for remote loads. White powder coat finish is standard (other colors optional). Emergency lighting heads are molded from high impact thermoplastic in a matching color; LR Par36 style heads are standard, SR Par18 style heads are optional. Universal mounting pattern and key hole slots are stamped on the back and conduit knockouts on the sides of each unit.

INTERNAL SPECIFICATIONS

The ESL 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 ESL luminaire is suitable for surface wall or ceiling and pendant mounting. Suitable for indoor installation on normally inflammable surfaces. 120/277VAC.

LAMP SELECTION

- 6V TUNGSTEN:** **standard:** 7.2w, 9w,
 (H) halogen: 8w, 10w, 12w
- 6V SEALED BEAM:** (SB) tungsten: 9w, 12w
 (SBH) halogen: 12w
- 12V TUNGSTEN:** **standard:** 9w, 18w
 (H) halogen: 8w, 12w, 20w
- 12V SEALED BEAM:** (SB) tungsten: 12w, 18w
 (SBH) halogen: 8w

ORDERING INFORMATION

Series	Operation	Capacity	Heads	Mounting	Lamps	Options
ESL	6 (volt DC)	18 (6v)	1SR (single par18)	TM (top mount)	See Lamp	AT (voltmeter)
	12 (volt DC)	27 (6v)	2SR (double Par18)	SM (side mount)	guide above	VM (voltmeter)
			1LR (single par36)	FM (front mount)		TP (tamper proof screws)
			36 (6v, 12v)			CC (custom color - specify)
			54 (6v, 12v)	2LR (double Par36)		CS (cord set)
		0 (no heads)			NC (nickel cadmium battery)	
						MH (metal heads par 36)

ESL BUILDER

Series	Operation	Capacity	Heads	Mounting	Lamps	Options
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

EXAMPLE: ESL-12-36-2LR-TM-7.2W
 DESCRIPTION: ESL emergency luminaire, emergency only, 120/277, 12V, 36W, par36, top mount, 7.2W lamps.

JOB:	TYPE:
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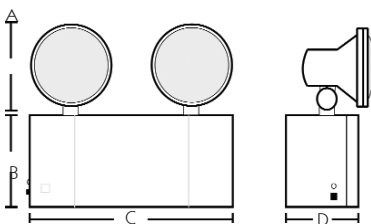
MECHANICAL SPECIFICATIONS

The ESL is constructed from a solid and durable 20 gauge steel housing. The universal mounting pattern stamped into the back of the unit allows for direct mounting to various conduit boxes. Key hole slots are also provided for additional mounting possibilities. Stamped conduit knockouts are supplied standard on all ESL units, providing the widest range of options for AC power source connection. Remote lamp loads are connected to the emergency power supply with sturdy magnum terminal connectors. These connectors allow for a large gauge of wire to be used increasing the flexibility of installation. The ESL is supplied standard in a durable white powder coat, baked finish. Other colors are available, including custom color matching, please specify.

CHARGER SPECIFICATIONS

The ESL 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.

DIMENSIONS (in.)



Wattage	A"	B"	C"	D"
18W-36W	5.5"	5.2"	11"	5.3"

BATTERY TECHNOLOGY

The ESL 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.

MODEL RATING GUIDE

Model	Voltage	Wattage				Cabinet
		90	120	180	240	
ESL-6-18	6	18	12	8	N/A	A
ESL-6-27	6	27	20	14	N/A	A
ESL-6-36	6	36	27	20	14	A
ESL-6-54	6	54	36	27	18	
ESL-12-36	12	36	27	20	14	A
ESL-12-54	12	54	36	27	18	A

LAMP HEAD FEATURES

The ESL series is normally supplied with two (2) front mounted (LR) Par36 style heads. Smaller (SR) Par18 style heads are optional. 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.

BEGHELLI AUTO-TEST (AT)

The ESL 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.

WARRANTY

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



LAMP SELECTION

6V TUNGSTEN:

standard: 9w,
(H) halogen: 8w, 10w, 12w, 20w

6V SEALED BEAM:

(SB) **standard:** 9w, 12w, 18w

12V TUNGSTEN:

(SBH) halogen: 12w, 20w
standard: 9w, 18w
(H) halogen: 8w, 12w, 20w, *35w, (*LR only)

12V SEALED BEAM:

(SB) **standard:** 12w, 18w
(SBH) halogen: 8w

PRODUCT OVERVIEW

The EST series of emergency lighting units offers durable construction, easy installation and the ability to adapt to your specifications. The EST housing is constructed from durable 20 gauge steel & finished in a white powder coat. Top mounted (LR) Par36 style heads are standard. (SR) Par18 style heads are optional. Universal mounting pattern and conduit knock-outs allow for easy field installation adaptability.

EXTERNAL SPECIFICATIONS

The EST series is constructed with a 20 gauge steel cabinet. Magnum terminal connectors allow for larger gauge wires to be connected for remote loads. White finish is standard (other colors optional). Emergency lighting heads are molded from high impact thermoplastic in a matching color; (LR) Par36 style are standard, SR Par18 style are 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.

INTERNAL SPECIFICATIONS

The EST 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 EST luminaire is suitable for surface wall or ceiling and pendant mounting. Suitable for indoor installation. 120/277VAC.

ORDERING INFORMATION

Series	Operation	Capacity	Heads	Lamps	Options
EST	6 (volt DC)	27 (6v)	1SR (single par18)	See Lamp	AT (auto-test diagnostics)
	12 (volt DC)	36 (6v, 12v)	2SR (double Par18)	guide above	NC (nickel cadmium battery)
		54 (6v, 12v)	1LR (single par36)		VM (voltmeter)
		72 (6v, 12v)	2LR (double Par36)		AM (ammeter)
		100 (6v, 12v)	0 (no heads)		TD (time delay - specify volt)
		125 (6v, 12v)			TP (tamper proof screws)
				CC (custom color - specify)	
				MH (metal heads Par36)	
				CS (cord set)	

EST BUILDER

Series	Operation	Capacity	Heads	Lamps	Options
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

EXAMPLE: EST-12-72-2LR-20W(H)-TD(277V)

DESCRIPTION: EST emergency luminaire, emergency only, 120/277, 12V, 72W, Par36, 20W halogen lamp, time delay 277V.

JOB:	TYPE:
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MECHANICAL SPECIFICATIONS

The EST is constructed from a solid and durable 20 gauge steel housing. The universal mounting pattern stamped into the back of the unit allows for direct mounting to various conduit boxes. Key hole slots and conduit knockouts are provided for additional mounting possibilities. Remote lamp loads are connected to the emergency power supply with sturdy magnum terminal connectors. These connectors allow for a large gauge of wire to be used increasing the flexibility of installation. The EST is supplied standard in a durable white powder coat, baked finish. Other colors are available, including custom color matching, please specify.

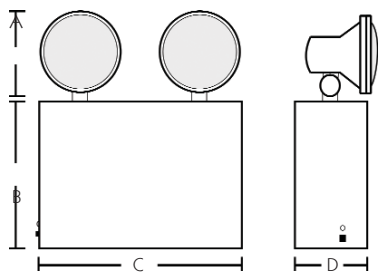
CHARGER SPECIFICATIONS

The EST 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 EST series is normally supplied with two (2) top mounted (LR) Par36 style 9w heads. (SR) Par18 style heads are optional. Lamp heads can be mounted either on the top or on the sides of the unit allowing for up to five (5) heads to be mounted on the largest units (3 top, 2 side). 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.

DIMENSIONS (in.)



Wattage	A"	B"	C"	D"
27W-100W	6"	9"	13"	3.1"

BATTERY TECHNOLOGY

The EST 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.

MODEL RATING GUIDE

Model	Voltage	Wattage				Cabinet
		90	120	180	240	
EST-6-27	6	27	18	12	8	A
EST-6-36	6	36	27	18	12	A
EST-6-54	6	54	36	27	18	A
EST-6-72	6	72	54	36	27	A
EST-6-100	6	100	72	54	36	A
EST-6-125	6	125	100	72	54	A
EST-12-36	12	36	27	18	12	A
EST-12-54	12	54	36	27	18	A
EST-12-72	12	72	54	36	27	A
EST-12-100	12	100	72	54	36	A
EST-12-100	12	125	100	72	54	A

BEGHELLI AUTO-TEST (AT)

The EST 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.

WARRANTY

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



PRODUCT OVERVIEW

The HWE series of emergency lighting units are a family of specification grade 6, 12 and 24 volt battery units designed with the PulseGuard pulse switching charger. The PulseGuard offers superior performance and energy efficiency versus conventional constant voltage chargers. Traditional top mounted (LR) Par36 style heads are standard, (SR) Par18 style small heads are optional.

EXTERNAL SPECIFICATIONS

The HWE series is constructed with a 20 gauge steel cabinet. Magnum terminal connectors allow for larger gauge wires to be connected for remote loads. White finish is standard (other colors optional). Emergency lighting heads are molded from high impact thermoplastic in a matching color; (LR) Par36 style heads are standard, (SR) Par18 style heads are optional. Universal mounting pattern and key hole slots are stamped on the back and conduit knockouts on the sides of each unit.

INTERNAL SPECIFICATIONS

The HWE 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 HWE luminaire is suitable for surface wall mounting. Suitable for indoor installation. 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, *55w (*LR only)
12V SEALED BEAM:	(SB) standard: 12w, 18w (SBH) halogen: 8w
24V TUNGSTEN:	standard: 9w, 18w, *24w (*LR only) (H) halogen: *20w, *70w (*LR only)

ORDERING INFORMATION

Series	Operation	Capacity	Heads	Lamps	Options
HWE	6 (volt DC)	125 (6v, 12v)	1SR (single par18)	See Lamp	AT (auto-test diagnostics)
	12 (volt DC)	150 (6v, 12v)	2SR (double Par18)	guide above	VM (voltmeter)
	24 (volt DC)	200 (6v, 12v, 24v)	1LR (single Par36)	AM (ammeter)	
		300 (6v, 12v, 24v)	2LR (double Par36)	TD (time delay - specify volt)	
		400 (12v, 24v)	0 (no heads)	TP (tamper proof screws)	
				CC (custom color - specify)	
			MH (metal heads Par36)		
			CS (cord set)		

HWE BUILDER

Series	Operation	Capacity	Heads	Lamps	Options
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

EXAMPLE: HWE-12-300-2LR-35W(H)-TD(277V)
 DESCRIPTION: HWE emergency luminaire, emergency only, 120/277, 12V, 300W, 35W halogen lamp, 2 par36, time delay 277V.

JOB:	<input type="text"/>	TYPE:	<input type="text"/>
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MECHANICAL SPECIFICATIONS

The HWE is constructed from a solid and durable 20 gauge steel housing. The universal mounting pattern stamped into the back of the unit allows for direct mounting to various conduit boxes. Key hole slots and stamped conduit knockouts are supplied standard on all HWE units, providing the widest range of options for AC power source connection. Remote lamp loads are connected to the emergency power supply with sturdy magnum terminal connectors. These connectors allow for a large gauge of wire to be used increasing the flexibility of installation. The HWE is supplied standard in a durable white powder coat, baked finish. Other colors are available, including custom color matching, please specify.

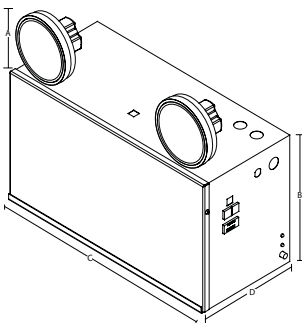
CHARGER SPECIFICATIONS

The HWE 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 HWE series is normally supplied with two (2) top mounted (LR) Par36 style 9w heads. Lamp heads can be mounted either on the top or on the sides of the unit allowing for up to five (5) heads to be mounted (3 top, 2 sides). Both (LR) Par36 and (SR) Par18 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.

DIMENSIONS (in.)



Wattage	A"	B"	C"	D"
125W-400W	6"	10"	13.1"	8.2"
300W-400W	6"	10"	18.05"	8.32"

BATTERY TECHNOLOGY

The HWE 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.

MODEL RATING GUIDE

Model	Voltage	Wattage				Cabinet
		90	120	180	240	
HWE-6-125	6	125	100	72	54	A
HWE-6-150	6	150	125	100	72	A
HWE-6-200	6	200	150	125	100	A
HWE-12-125	12	125	100	72	54	A
HWE-12-150	12	150	125	100	72	A
HWE-12-200	12	200	150	125	100	A
HWE-12-300	12	300	200	150	125	A
HWE-12-400	12	400	300	200	150	A
HWE-24-200	24	200	150	125	100	A
HWE-24-300	24	300	200	150	125	A
HWE-24-400	24	400	300	200	150	A

BEGHELLI AUTO-TEST (AT)

The HWE 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.

WARRANTY

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



PRODUCT OVERVIEW

The LDT series of industrial emergency lighting units are designed for durability and dependability. The NEMA 12 gasketed steel housing can be used in areas that generate dust, lint, fibers, dripping water and condensation. The LDT is designed with the PulseGuard pulse switching charger. The PulseGuard offers superior performance and energy efficiency versus conventional constant voltage chargers. Traditional top mounted (LR) Par36 style heads are standard, (SR) Par18 style heads are optional.

EXTERNAL SPECIFICATIONS

The LDT series is constructed with a 16 gauge steel cabinet. Magnum terminal connectors allow for larger gauge wires to be connected for remote loads. Industrial gray powder coat finish is standard. Emergency lighting heads are molded from high impact thermoplastic, (LR) Par36 style are standard, (SR) Par18 style are optional. The LDT features integrated mounting feet that ensure positive and secure installations. External test switch & monitor LED are standard.

INTERNAL SPECIFICATIONS

The LDT 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 LDT luminaire is suitable for surface wall mounting. Suitable for NEMA 12 required installations.

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
(H) halogen: 8w

ORDERING INFORMATION

Series	Operation	Capacity	Heads	Lamps	Options
LDT	6 (volt DC)	27 (6v)	1SR (single Par18)	See Lamp	AT (auto-test diagnostics)
	12 (volt DC)	36 (6v, 12v)	2SR (double Par18)	guide above	NC (nickel cadmium battery)
		54 (6v, 12v)	1LR (single Par36)		VM (voltmeter)
		72 (6v, 12v)	2LR (double Par36)		AM (ammeter)
		100 (6v, 12v)	0 (no heads)		TD (time delay - specify volt)
					TP (tamper proof screws)
					FP (food prep lens)
					MH (metal heads Par36)
					IH (internal heater)
					CS (cord set)

Series	Operation	Capacity	Heads	Lamps	Options
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

EXAMPLE: LDT-6-54-2LR-20W(SBH)-VM

DESCRIPTION: LDT emergency luminaire, emergency only, 120/277, 6V, 54W, 20W(sealed beam halogen) lamp, 2 par36, voltmeter

JOB:	TYPE:
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MECHANICAL SPECIFICATIONS

The LDT is constructed from a solid and durable 16 gauge steel housing. The integrated mounting feet allow for direct and secure mounting to most surfaces. A fully gasketed and hinged front access panel allow for trouble-free installation and maintenance. Remote lamp loads are connected to the emergency power supply with sturdy magnum terminal connectors. These connectors allow for a large gauge of wire to be used increasing the flexibility of installation. The LDT is supplied standard in a durable industrial grey powder coat finish.

CHARGER SPECIFICATIONS

The LDT 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 LDT series is normally supplied with two (2) top mounted (LR) Par36 style 9w heads. Optional (SR) Par18 style heads are available. Both lamp head styles are constructed of high impact thermoplastic. Both head types feature a unique twist locking collar that securely holds the lens and facilitates quick and easy re-lamping. Please note: (LR) Par36 style metal heads and food-prep approved lenses are also available when ordering.

BATTERY TECHNOLOGY

The LDT 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.

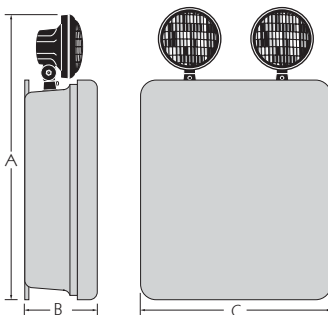
MODEL RATING GUIDE

Model	Voltage	Wattage				Cabinet
		90	120	180	240	
LDT-6-27	6	27	18	12	8	A
LDT-6-36	6	36	27	18	12	A
LDT-6-54	6	54	36	27	18	A
LDT-6-72	6	72	54	36	27	A
LDT-6-100	6	100	72	54	36	A
LDT-12-36	12	36	27	18	12	A
LDT-12-54	12	54	36	27	18	A
LDT-12-72	12	72	54	36	27	A
LDT-12-100	12	100	72	54	36	A

BEGHELLI AUTO-TEST (AT)

The LDT 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.

DIMENSIONS (in.)



Wattage	A"	B"	C"
27W-100W	18"	5.4"	12.7"

WARRANTY

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



PRODUCT OVERVIEW

The EDT series of industrial emergency lighting units are designed to be affordable, durable and dependable. The NEMA 4x rated fiberglass housing can be used in most damp, wet and hose down areas. The EDT series 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 EDT series is constructed with a durable NEMA 4x rated fiberglass 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. External test switch and monitor LED are standard.

INTERNAL SPECIFICATIONS

The EDT 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 EDT 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,
*55w (*LR only)
- 12V SEALED BEAM: (SB) **standard:** 12w, 18w
(SBH) halogen: 8w

ORDERING INFORMATION

Series	Operation	Capacity	Heads	Lamps	Options
EDT	6 (volt DC)	27 (6v)	1LR (single Par36)	See Lamp	AT (auto-test diagnostics)
	12 (volt DC)	36 (6v, 12v)	2LR (double Par36)	guide above	NC (nickel cadmium battery)
		54 (6v, 12v)	0 (no heads)		VM (voltmeter)
		72 (6v, 12v)			AM (ammeter)
		100 (6v, 12v)			TD (time delay - specify volt)
		200 (12v, 24v)			FP (food prep lens)
		300 (12v, 24v)			IH (internal heater - specify volt)
		400 (12v, 24v)			CC (custom color)

EDT BUILDER

Series	Operation	Capacity	Heads	Lamps	Options
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

EXAMPLE: EDT-6-36-2LR-8W(H)-TD(120V)
 DESCRIPTION: EDT emergency luminaire, emergency only, 120/277, 6V, 36W, 8W halogen lamp, 2 par36, time delay 120V.

JOB:	TYPE:
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ETL Listed. NEMA 4x. Wet Location.

MECHANICAL SPECIFICATIONS

The EDT is constructed from a durable, fully gasketed NEMA 4x rated fiberglass 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 EDT is supplied standard in an industrial gray fiberglass finish.

CHARGER SPECIFICATIONS

The EDT 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 EDT 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-prep approved lenses are also available when ordering.

BEGHELLI AUTO-TEST (AT)

The EDT 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.

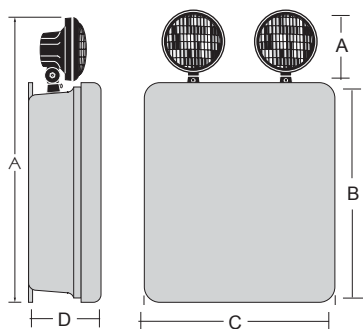
BATTERY TECHNOLOGY

The EDT 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.

MODEL RATING GUIDE

Model	Voltage	Wattage				Cabinet
		90	120	180	240	
EDT-6-27	6	27	18	12	8	A
EDT-6-36	6	36	27	18	12	B
EDT-6-54	6	54	36	27	18	C
EDT-6-72	6	72	54	36	27	C
EDT-6-100	6	100	72	54	36	C
EDT-12-36	12	36	27	18	12	B
EDT-12-54	12	54	36	27	18	C
EDT-12-72	12	72	54	36	27	C
EDT-12-100	12	100	72	54	36	C
EDT-12-200	12	200	100	72	54	D
EDT-12-300	12	300	200	100	72	E
EDT-12-400	12	400	400	200	100	F

DIMENSIONS (in.)



Wattage	A"	B"	C"	D"
27W-36W	6"	17.5"	15.5"	6.25"
54W-72W	6"	13.5"	11.5"	5.25"
100W-200W	6"	15.5"	13.5"	6.25"
300W-400W	6"	19.75"	17.75"	8"

WARRANTY

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





PRODUCT OVERVIEW

The HDT 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 HDT 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 HDT 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 HDT 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 HDT 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

ORDERING INFORMATION

Series	Operation	Capacity	Heads	Lamps	Options
HDT	6 (volt DC)	27 (6v)	1LR (single Par36)	See Lamp	AT (auto-test diagnostics)
	12 (volt DC)	36 (6v, 12v)	2LR (double Par36)	guide above	NC (nickel cadmium battery)
		54 (6v, 12v)	0 (no heads)		VM (voltmeter)
		72 (6v, 12v)			AM (ammeter)
		100 (6v, 12v)			TD (time delay - specify volt)
					FP (food prep lens)

HDT BUILDER

Series	Operation	Capacity	Heads	Lamps	Options
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

EXAMPLE: HDT-12-100-2LR-35W(H)
DESCRIPTION: HDT emergency luminaire, emergency only, 120/277, 12V, 100W, 2 par36, 35W halogen lamp.

JOB:	TYPE:
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MECHANICAL SPECIFICATIONS

The HDT 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 HDT is supplied standard in an industrial gray PVC finish. External test switch and monitor LED standard.

CHARGER SPECIFICATIONS

The HDT 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.

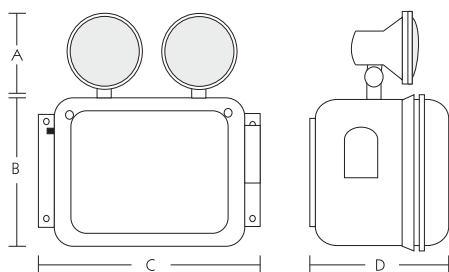
LAMP HEAD FEATURES

The HDT 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-prep approved lenses are also available when ordering.

BATTERY TECHNOLOGY

The HDT 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.

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"

MODEL RATING GUIDE

Model	Voltage	Wattage				Cabinet
		90	120	180	240	
HDT-6-27	6	27	18	12	8	A
HDT-6-36	6	36	27	18	12	A
HDT-6-54	6	54	36	27	18	B
HDT-6-72	6	72	54	36	27	B
HDT-6-100	6	100	72	54	36	C
HDT-12-36	12	36	27	18	12	A
HDT-12-54	12	54	36	27	18	B
HDT-12-72	12	72	54	36	27	B
HDT-12-100	12	100	72	54	36	C

BEGHELLI AUTO-TEST (AT)

The HDT 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.

WARRANTY

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

VDR 12W - 22W Vandal Resistant



VDR



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 and damp 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 diagnostics)
	SA (AC & emergency)	12 (volt DC)	22 (6v, 12v)	210 (double 10W)	NC (nickel cadmium battery) CC (custom color - specify)

VDR BUILDER

Series	Operation	Capacity	Heads	Lamps	Options
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

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.

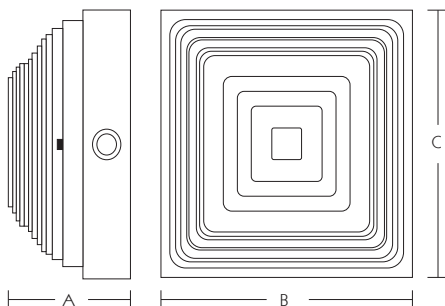
MODEL RATING GUIDE

Model	Voltage	Wattage				Cabinet
		90	120	180	240	
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

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.

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.



PRODUCT OVERVIEW

The HDZ series offers emergency and exit illumination that is designed to perform in hazardous environments. The HDZ series is approved for installation in NEC Class I, Divisions 1 or 2, Groups C & D; or Class II, Divisions 1 or 2, Groups E, F and G areas. The HDZ series uses copper-free cast aluminum housings that offer trouble-free installation and durability.

EXTERNAL SPECIFICATIONS

The HDZ series housings are constructed from corrosion resistant, copper-free cast aluminum. The quick access thread on cover allows for trouble-free installation and reduces general maintenance time. A one-way stainless breather provides proper and effective unit ventilation. External test switch and monitor LED are standard. The HDZ series is capable of supporting remote emergency fixtures and exit signage.

INTERNAL SPECIFICATIONS

The HDZ 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 HDZ luminaire is suitable for surface wall or ceiling and pendant mounting. Suitable for installation and operation in NEC Class I, Div 1 or 2, Groups C & D; or Class II, Div 1 or 2, Groups E, F & G areas.

LAMP SELECTION

6V HALOGEN	8WH, 10WH, 12WH, 20WH
12V HALOGEN	8WH, 12WH, 20WH
24V HALOGEN	12WH, 20WH
120V COMPACT:	(CF) compact fluorescent: 2x13w

ORDERING INFORMATION

Series	Operation	Capacity	Class	Div.	Groups	Light / EXIT	#of Lamps	Mounting	Options
HDZ	6 (volt DC)	26 (120V CF)	C1 (I)	D1 (I)	B	0 (none)	1 (single lamp)	CM (ceiling mount)	AT (auto-test)
	12 (volt DC)	36 (6V, 12V)	C2 (II)	D2 (II)	C	L1 (single head)	2 (double lamp)	PM (pendant mount)	RF (reflector hood)
	24 (volt DC)	54 (6V, 12V)			D	L2 (double head)	note: see lamp guide	WM (wall mount)	WG (wireguard)
	120 (volt DC)	100 (6V, 12V)			E	X1 (single face exit)			GL (green lens)
					F	X2 (double face exit)			TD (time delay)
					G				NC (nicad battery)

HDZ BUILDER

Series	Operation	Capacity	Light / EXIT	Mounting	Options
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

EXAMPLE: HDZ-6-36-C1-D1-CD-L1-X1-2-CM-TD(277)
 DESCRIPTION: HDZ emergency luminaire 6V36W class1, division1, groups C & D, single head, double lamp, single face exit, time delay (277V)

JOB:	TYPE:
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MECHANICAL SPECIFICATIONS

The HDZ series is constructed from corrosion resistant, copper free aluminum. The quick access thread-on cover allows for trouble-free installation and maintenance. The HDZ series incorporates a one way stainless steel breather that provides proper unit ventilation. External test switch and monitor LED are standard.

CHARGER SPECIFICATIONS

The HDZ 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. An external push button test switch allows maintenance personnel to quickly determine the operational status of the unit and lamp load.

CONFIGURATIONS

The HDZ series can be configured to suit most hazardous applications. Unit mounted or remote capable, the HDZ series can power multiple emergency lighting heads and/or exit signs. Custom signage is also available. The HDZ series can be ceiling, wall or pendant mounted. The exact mounting configurations must be specified when ordering. Please consult the Beghelli customer service with any questions regarding the HDZ series.

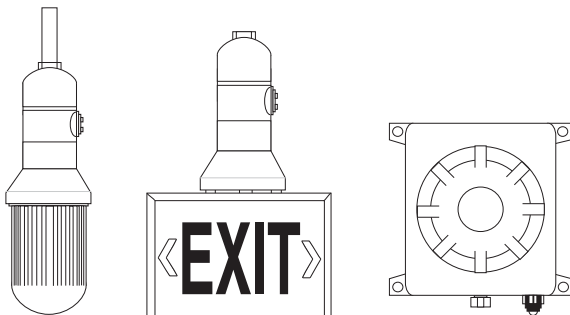
BATTERY TECHNOLOGY

The HDZ series is designed to be used with maintenance free, sealed valve regulated lead acid batteries that provide a minimum emergency duration of 90 minutes. Recharge time of the battery is twenty-four (24) hours. Other batteries including Nickel-Cadmium are available, please contact Beghelli Customer Service for additional information.

MODEL RATING GUIDE

Model	Voltage	Wattage				Cabinet
		90	120	180	240	
HDZ-6-36	6	36	24	18	12	A
HDZ-6-54	6	54	36	24	18	A
HDZ-6-100	6	100	72	54	36	A
HDZ-12-36	12	34	24	18	12	A
HDZ-12-54	12	56	36	24	18	A
HDZ-12-100	12	100	72	54	36	A
HDZ-120-26	120	26	20	12	NA	A

DIMENSIONS (in.)



Wattage A" B" C"

36W-100W Please consult factory for dimensions

2x13W Please consult factory for dimensions

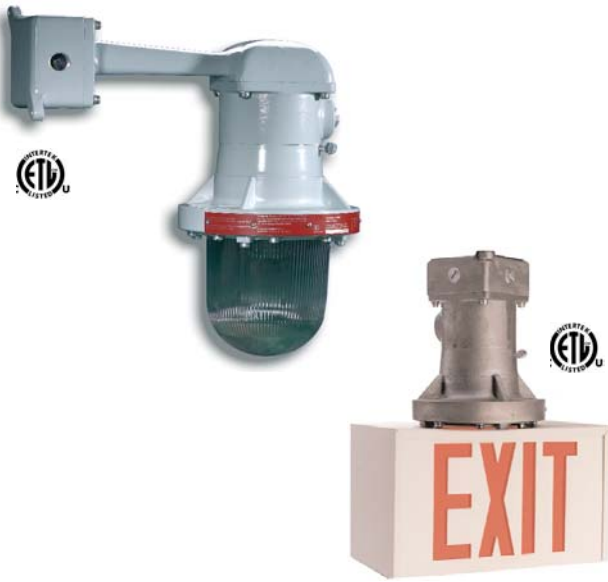
L1, L2, L3 Please consult factory for dimensions

X1, X2 Please consult factory for dimensions

WARRANTY

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





PRODUCT OVERVIEW

The HDZ series offers emergency and EXIT illumination that is designed to perform in hazardous environments. The HDZ series is approved for installation in NEC Class I, Divisions 1 or 2, Groups C & D; or Class II, Divisions 1 or 2, Groups E, F and G areas. The HDZ series uses copper-free cast aluminum housings that offer trouble-free installation and durability.

EXTERNAL SPECIFICATIONS

The HDZ series housings are constructed from corrosion resistant, copper-free cast aluminum. The quick access thread on cover allows for trouble-free installation and reduces general maintenance time. A one-way stainless breather provides proper and effective unit ventilation. External test switch and monitor LED are standard. The HDZ series is capable of supporting remote emergency fixtures and exit signage.

INTERNAL SPECIFICATIONS

The HDZ 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 HDZ luminaire is suitable for surface wall or ceiling and pendant mounting. Suitable for installation and operation in NEC Class I, Div 1 or 2, Groups C & D; or Class II, Div 1 or 2, Groups E, F & G areas.

LAMP SELECTION

6V HALOGEN	8WH, 10WH, 12WH, 20WH
12V HALOGEN	8WH, 12WH, 20WH
24V HALOGEN	12WH, 20WH
120V COMPACT:	(CF) compact fluorescent: 2x13W

ORDERING INFORMATION

Series	Operation	Class	Div.	Groups	Light / EXIT	#of Lamps	Mounting	Options
HDZ-RMT (remote version)	6 (volt DC)	C1 (I)	D1 (I)	B	L1 (single head)	1 (single lamp)	CM (ceiling mount)	LED (120VAC LED exit lamp)
HDZ-E (Exit version)	12 (volt DC)	C2 (II)	D2 (II)	C	X1 (single face exit)	2 (double lamp)	PM (pendant mount)	SW (special wording)
	24 (volt DC)				D			X2 (double face exit)
	120 (volt DC)	E					GL (green lens - E only)	
		F						
				G				

HDZ BUILDER

Series	Operation	Capacity	Light / EXIT	Mounting	Options
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

EXAMPLE: HDZ-RMT12-C1-D2-CD-L1-2-WM

DESCRIPTION: HDZ hazardous area remote fixture, rated for class1 division 2, groups C&D, single head, double lamp, 12V, 12WH wall mount

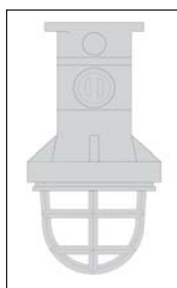
EXAMPLE: HDZ-E-120-C1-D2CD-X1-1

DESCRIPTION: HDZ Hazardous area exit sign, rated for class1 and division2, groups C&D, single face, ceiling mount, complete with one 120V incandescent lamp.

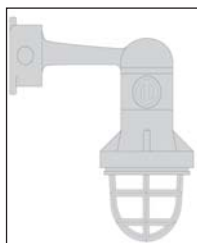
JOB:	TYPE:
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MECHANICAL SPECIFICATIONS

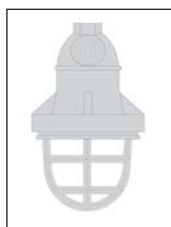
The HDZ Series housing is constructed from corrosion resistant, heavy duty cast aluminum. Exit sign face plates and frame are constructed from durable 20 gage steel, standard with a white baked powder coat finish. Fixture mounting can be specified as either ceiling mount, wall mount or pendant mount. All lamp wiring is supplied pre-pulled, sealed and ready for input circuit connection. Exact dimensions and mounting arrangements will vary depending on the mounting configuration.



Ceiling Mount



Wall Mount



Pendant Mount

LAMP HEAD / FIXTURE FEATURES

The HDZ series offer a variety of lamp and fixture combinations. Each emergency lighting head can be configured with one or two fully adjustable lamp and reflector assemblies contained within the globe enclosure. Supported DC voltages of 6VDC, 12VDC or 24VDC utilize a wedge or bi-pin based incandescent lamp. 120VAC utilize a medium base lamp. Exit sign faceplate(s) and frame are constructed from durable 20 gauge steel, standard with a white baked powder coat finish. Custom exit colors and signage/graphics are also available.

INSTALLATION

The HDZ series of emergency lighting and exit fixtures are suitable for surface wall, surface ceiling and pendant mounting as specified. Suitable for various Class, Division and Group ratings as specified.

WARRANTY

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

Indoor Architectural Exits





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VA4 Thermoplastic Universal Exit



VA4



PRODUCT OVERVIEW

The VA4 series thermoplastic exit sign features an attractive low profile design. Ideal for commercial & institutional installations, the slim profile of this sign blends perfectly with current interior decors. The VA4 series uses high-output red or green LED technology. This truly “universal” exit sign, comes standard with two (2) stencils, one (1) backplate and a canopy. AC only and Self-Powered versions are available. The VA4 series meets Energy Star requirements.

EXTERNAL SPECIFICATIONS

The VA4 series is constructed from durable corrosion and flame resistant thermoplastic. The VA4 series comes standard with a mounting canopy, two (2) stencils, one (1) backplate, removeable chevrons and all mounting hardware. The VA4 series comes standard finished in white; optional black finish is available. A damp location rating is standard on all VA4 series products. An external LED status indicator and test switch is standard on all self-powered models.

INTERNAL SPECIFICATIONS

AC ONLY: standard 120/277VAC input

SELF-POWERED: standard 120/277VAC input, self-powered versions use sealed nickel-cadmium batteries to provide a minimum 90 minutes of emergency duration. Electronic cut-off circuit prevents overdischarge.

INSTALLATION

The VA4 series exit is suitable for surface ceiling, wall and end mounting. Suitable for indoor and damp location installations.

ORDERING INFORMATION

Series	LED Color	Model	Options
VA4	R (red)	HT (AC only)	B (black housing)
	G (green)	SA (self-powered)	

VA4 BUILDER

Series	LED Color	Model	Options
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

EXAMPLE: VA4-R-SA
DESCRIPTION: VA4, thermoplastic exit, self-powered, red LED.

JOB:	TYPE:
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MODERN DESIGN

The low profile design of the VA4 series exit provides a clean, attractive and affordable solution. The durable thermoplastic housing is corrosion and flame resistant. The VA4 series stencils include removeable chevrons that allow for easy "in the field" installation decisions. The modern and efficient design of the VA4 series allows for wall, ceiling or end mounting. Canopy and all installation hardware are included.

BATTERY TECHNOLOGY

The VA4 series is designed with a maintenance free, sealed Nickel-Cadmium battery providing a minimum emergency duration of 90 minutes. Recharge time of the battery is twenty-four (24) hours. The maximum battery working temperature is 50° C.

ELECTRICAL SPECIFICATIONS

The VA4 series is configured with high-output LED lamps. LED version is standard with 120/277VAC input.

- RED LED - 4 Watts
- GREEN LED - 2 Watts

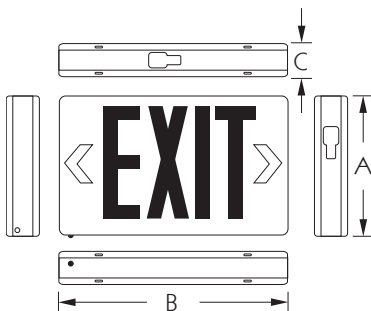
MECHANICAL SPECIFICATIONS

The VA4 series is constructed of durable corrosion and flame resistant thermoplastic. Field removeable directional chevron arrows are standard. The VA4 series can be universally mounted single or double face. Canopy and mounting hardware are included. High-output LED technology provides energy savings, long life and even illumination levels. 120/277VAC input, maintenance free, sealed Nickel Cadmium batteries are protected by an electronic cut-off circuit that prevents overdischarge. External test switch and monitor LED are standard on SA versions.

SELF-POWERED VERSIONS

The VA4-SA self-powered series is designed to operate on battery power in the event of a regular / mains power failure. Both the battery and charger are completely contained within the standard enclosure. There are no external components and no alterations made to the external dimensions of the standard sign. The VA4-SA self-powered series utilize a solid state transformer technology that eliminates the possibility of relay failure due to particle build up on the relay. Status is easily determined via an LED that indicates AC-ON. A push button test switch allows maintenance personnel to quickly confirm the operational status of the exit on AC fail.

DIMENSIONS (in.)



Series	A"	B"	C"
VA4	7.5"	12"	1.5"

WARRANTY

The VA4 Series comes with a 5-year factory warranty. Deliberate damage, misuse, improper installation effectively cancel the warranty.



AUTOTEST



PRODUCT OVERVIEW

The VA5 series is part of the ever growing family of innovative, yet economical thermoplastic exit signs. The slim profile, damp location rating and easy installation make the VA5 ideal for commercial, institutional & public projects.

An easy to specify universal sign, the VA5 includes two (2) stencils, one (1) backplast, field adjustable chevrons, canopy and all mounting hardware. Available in Self-powered and AC only configurations. High-output red or green LED's are featured.

EXTERNAL SPECIFICATIONS

The VA5 series is constructed from high-quality thermoplastic that is corrosion and flame resistant. The VA5 series includes as standard equipment, a mounting canopy, two (2) stencil faces, one (1) backplate, field adjustable chevrons and all mounting hardware. Available in a white finish only. Damp location is standard on all VA5 series products. An external LED status indicator and test switch are standard on all self-powered models.

INTERNAL SPECIFICATIONS

AC ONLY: standard 120/277VAC input

SELF-POWERED: standard 120/277VAC input, self-powered versions use sealed nickel-cadmium batteries to provide a minimum 90 minutes of emergency duration. Electronic cut-off circuit prevents overdischarge.

BATTERY TECHNOLOGY

The VA5-SA series uses an internal maintenance-free, sealed nickel-cadmium battery that provides a minimum emergency duration of ninety (90) minutes. Complete recharge time of the battery is twenty-four (24) hours. The maximum working temperature is 50°C.

INSTALLATION

The VA5 series exit is suitable for surface ceiling, wall and end mounting. Suitable for indoor & damp location installations.

ORDERING INFORMATION

Series	LED Color	Model	Diagnostics	Options
VA5	R (red)	HT (AC only)	AT (autotest)	IRT (infrared remote test)
	G (green)	SA (self-powered)		B (black housing)
				FI (fire alarm interface)

Note (a): The Autotest diagnostic feature is standard.
 Notee (b): IRT option includes handheld remote.

VA5 BUILDER

Series	LED Color	Model	Diagnostics	Options	Accessories
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

EXAMPLE: VA5R-SA-AT
 DESCRIPTION: VA5, thermoplastic exit, red LED, self-powered, white finish, auto-test

JOB:	TYPE:
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UL Listed. ADA Compliant. Damp Location.

AUTOTEST DIAGNOSTICS

The VA5 series comes standard with the Beghelli **AutotesT** diagnostic system. Featuring continuous monitoring of the units main components (battery, charger, transformer, lamps & LED's) and providing instant visual verification of the status.

AUTOTEST FEATURES:

- Monitor battery disconnection, charger failure, LED failure and transformer fault every 5 seconds without discharging the battery.
- Automatically indicates lamp, battery and charger status by dual-color LED lamp.
- Factory preset **AutotesT** does not need to be field adjusted or reset for proper operation.

AUTOTEST FUNCTIONS:

- Verifies battery disconnect, charger board failure, LED failure and transformer failure every 5 seconds.
- One (1) minute autotest every month.
- Thirty (30) minute autotest every six (6) months.
- Ninety (90) minute autotest every twelve (12) months.

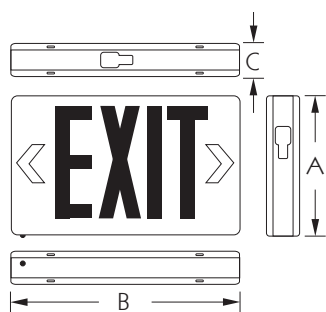
AUTOTEST VISUAL ALERT

- (1) blink red LED = Battery not connected
- (2) blinks red LED = Battery shorted and/or
Battery voltage drop
- (3) blinks red LED = Charger board fault
- (4) blinks red LED = Transformer fault
- (5) blinks red LED = N/A
- (6) blinks red LED = N/A
- (7) blinks red LED = LED lamp fault

AUTOTEST MANUAL FUNCTIONS:

- Press test button 1x (within 2 sec.) = 1 minute test
- Press test button 2x (within 2 sec.) = 5 minute test
- Press test button 3x (within 2 sec.) = 30 minute test
- Press test button 4x (within 2 sec.) = 90 minute test

DIMENSIONS (in.)



Series	A"	B"	C"
VA5	8.5"	12"	1.75"

MECHANICAL SPECIFICATIONS

The VA5 series is constructed from high-quality corrosion and flame resistant thermoplastic. Field adjustable chevrons are standard on all VA5 exits. The VA5 can be universally mounted configured for either single or double face installations. Canopy and mounting hardware is included. High-output red or green LED's provide energy savings, long life and create even illumination across the stencil face. 120/277VAC input is standard on all VA5 series exits. The (SA) version features maintenance-free nickel-cadmium batteries, electronic cut-off that prevents overdischarge and the Beghelli **AutotesT** diagnostic system.

SELF-POWERED (SA) VERSION

The VA5-SA has been designed to be an "always on" exit. Operating under normal AC until there is a power failure and then automatically switching to the DC emergency mode. Both the battery and charger are fully contained within the standard enclosure. There are no external components that add to the dimensions of the product. This results in a clean and simple design. The VA5-SA utilizes solid state transformer technology that eliminates the possibility of relay failure. Status of the VA5 is displayed via an LED that indicates AC-ON and all functions of the **AutotesT** diagnostic system. An external test switch allows inspectors & maintenance personnel to quickly confirm the operations status of the VA5 exit. Optional infrared testing (IRT) allows wireless testing of all functions.

INFRARED TESTING OPTION

The VA5 series offers an optional infrared testing (IRT) option. Using the compact remote, inspectors and maintenance personnel are able to access all functions of the VA5 series and perform the required tests.

Not only is this convenient when testing hard to access exit signs, it is also a much safer way. Climbing and moving ladders from installation to installation is time consuming and can be dangerous. The infrared testing option performs all available tests with the press of a button.

WARRANTY

The VA5 Series comes with a 5-year factory warranty. Deliberate damage, misuse, improper installation effectively cancel the warranty.



PRODUCT OVERVIEW

The XCL series combination exit & emergency unit features an attractive, contemporary thermoplastic housing design. Ideal for commercial and institutional installations, the XCL series combination unit blends perfectly with current interior decors. The XCL series uses high-output red or green LED technology. Universal mounting on the wall or ceiling allows installation versatility. Emergency lighting heads can be swiveled 360° providing effective and accurate emergency illumination.

EXTERNAL SPECIFICATIONS

The XCL series is constructed from durable corrosion and flame resistant thermoplastic. The XCL series comes standard with a mounting canopy, two (2) stencils, one (1) backplate, removeable chevrons and all mounting hardware. Side mounted emergency lighting heads rotate 360° providing a new level of adjustability. The XCL series comes standard finished in white; optional black finish is available. Removeable chevron arrows are standard on each fixture. External LED status indicator and test switch are standard.

INTERNAL SPECIFICATIONS

SELF-POWERED: standard 120/277VAC input, self-powered versions use a maintenance-free sealed lead acid battery that provides a minimum 90 minutes of emergency duration. Solid state charger and transfer.

INSTALLATION

The XCL series combination unit is suitable for surface ceiling, and wall mounting. Suitable for indoor and damp location installations.

ORDERING INFORMATION

Series	LED	Face / Mounting	Housing	Options
XCL	R (red)	U (universal)	W (white)	R (remote capable)
	G (green)		B (black)	NH (no heads)
				NHR (no heads, remote)

XCL BUILDER

Series	LED	Face / Mounting	Housing	Options
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

EXAMPLE: XCL-RU-W
 DESCRIPTION: XCL, thermoplastic combination unit, red LED, universal face, universal mounting, white finish.

JOB:	TYPE:
------	-------

UL Listed. ADA Compliant. Damp Location.

MODERN DESIGN

The XCL series combination exit & emergency unit provides an attractive, versatile, space saving and affordable solution. The durable thermoplastic housing is corrosion and flame resistant. The XCL series stencils include removeable chevrons that allow for easy "in the field" installation decisions. The modern and efficient design of the XCL series allows for surface ceiling, and wall mounting. Canopy and all installation hardware is included.

ELECTRICAL SPECIFICATIONS

The XCL series is configured with high-output LED lamps. LED version is standard with 120/277VAC input. Emergency lighting heads come standard configured with 5.4 watt incandescent wedge base lamps.

- RED LED - 4 Watts
- GREEN LED - 2 Watts

BATTERY TECHNOLOGY

The XCL series is designed with a 6V 4.5Ah maintenance free, sealed lead acid battery that provides a minimum emergency duration of 90 minutes. Recharge time of the battery is twenty-four (24) hours. The maximum battery working temperature is 50° C. When the XCL is ordered with the "remote capable" option, a larger 6V 7Ah battery is used.

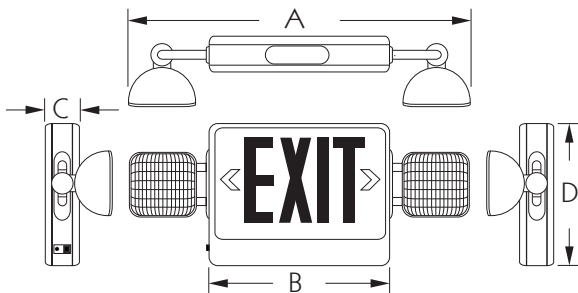
MECHANICAL SPECIFICATIONS

The XCL series is constructed of durable corrosion and flame resistant thermoplastic. Field removeable directional chevron arrows are standard. The XCL series can be universally mounted single or double face. Canopy and mounting hardware are included. High-output LED technology provides energy savings, long life and even illumination levels. Side mounted emergency heads rotate 360°, providing accurate emergency illumination. 120/277VAC input, maintenance free sealed lead acid battery is protected by an electronic cut-off circuit that prevents overdischarge. External test switch and monitor LED are standard.

SELF-POWERED VERSIONS

The XCL self-powered series is designed to operate on battery power in the event of a regular / mains power failure. Both the battery and charger are completely contained within the standard enclosure. There are no external components and no alterations made to the external dimensions of the standard sign. The XCL self-powered series utilize a solid state transformer technology that eliminates the possibility of relay failure due to particle build up on the relay. Status is easily determined via an LED that indicates AC-ON. A push button test switch allows maintenance personnel to quickly confirm the operational status of the exit on AC fail.

DIMENSIONS (in.)



Series	A"	B"	C"	D"
XCL	22"	13"	2.8"	10"

WARRANTY

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



EXTERNAL SPECIFICATIONS

The BBY-C series is constructed from high quality corrosion and flame resistant thermoplastic. White finish is standard. The BBY combination series features a low profile exit and a top mounted emergency light. The exit sign has field adjustable chevrons and snap together face panels. The top mounted emergency unit features semi-recessed MR-16 lighting heads that are positioned in 360 gimbal style assemblies. Universal mounting bracket for wall or ceiling installations. External test switch and monitor LED are standard.

INTERNAL SPECIFICATIONS

SELF-POWERED: standard 120/277VAC input, self-powered versions use a maintenance-free 6V 4.5Ah sealed lead acid battery that provides a minimum 90 minutes of emergency duration. Solid state charger and transfer.

PRODUCT OVERVIEW

The BBY-C series combination exit & emergency unit is the newest evolution in affordable thermoplastic emergency luminaires. The BBY-C series offers a new level of design and technology. The injection molded thermoplastic housing is corrosion and flame resistant and features an innovative snap together design allowing fast and easy installation. The BBY-C features high-output LED's that evenly illuminate the exit. The top mounted emergency unit incorporates 5W halogen MR-16 lamps that are fully adjustable. The BBY-C comes standard finished in white.

INSTALLATION

The BBY-C series combination unit is suitable for surface ceiling, wall mounting. Suitable for indoor and damp location installations.

ORDERING INFORMATION

Series	LED	Face / Mounting	Housing
BBY-C	LR (red) LG (green)	U (universal)	W (white)

BBY-C BUILDER

Series	LED	Face / Mounting	Housing
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

EXAMPLE: BBY-C-LR-U-W
DESCRIPTION: BBY, thermoplastic combination unit, red LED, universal face, white finish.

JOB:	TYPE:
------	-------

UL Listed. Damp Location.**HOUSING**

The BBY-C series utilizes a corrosion and flame resistant injection molded thermoplastic housing and mounting bracket. The innovative snap together design allows fast and effortless installation. The BBY-C series is ideal for use in areas where materials such as steel and aluminum may deteriorate. The universal mounting pattern allows wall or ceiling installations.

ELECTRICAL SPECIFICATIONS

The BBY-C series combination luminaires are configured for standard operation 120/277VAC dual voltage input with current limit protection. Minimum 90 minutes emergency duration. Twenty-four (24) hour recharge time.

BATTERY TECHNOLOGY

The BBY-C series is supplied with a sealed, maintenance-free, valve regulated 6V 4.5Ah lead calcium battery that provides a minimum emergency duration of 90 minutes. Recharge time of the battery is twenty-four (24) hours. The maximum working temperature is 50° C.

MECHANICAL SPECIFICATIONS

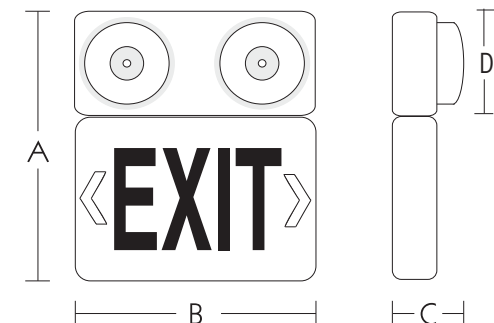
The BBY-C series is constructed of durable corrosion and flame resistant thermoplastic. Field removeable directional chevron arrows are standard. The BBY-C series can be universally mounted single or double face. Canopy and mounting hardware are included. High-output LED technology provides energy savings, long life and even illumination levels. Top mounted emergency heads rotate 360, providing accurate emergency illumination. 120/277VAC input, maintenance free sealed lead calcium battery is protected by an electronic cut-off circuit that prevents overdischarge. External test switch and monitor LED are standard.

LAMP HEAD FEATURES

The BBY-C series is supplied with two (2) semi-recessed, front mounted 5W MR-16 lamps. Lamp heads are mounted within a gimbal style assembly, which allows correct and accurate beam positioning.

MR-16 TECHNOLOGY

The BBY-C series luminaire benefits from the use of MR-16 lamp technology. Offering superior light output, compact design, high efficiency and architectural appeal, the MR-16 lamps are an intelligent light choice. The BBY-C series comes standard with 2x5W halogen MR-16 lamps.

DIMENSIONS (in.)

Series	A"	B"	C"	D"
BBY-C	14.2"	12.2"	4.2"	5.5"

WARRANTY

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

APE Adjustable heads / Thermoplastic Combination



AUTOTEST



PRODUCT OVERVIEW

The APE series combination exit & emergency unit offers the ultimate in flexibility. Emergency lighting heads can be rotated from a side-mount configuration to a top-mount configuration in one simple motion. Included as standard equipment is the Beghelli AutotesT, which provides instant visual verification of the operating status. The APE series features a durable and contemporary thermoplastic housing. Red or green high efficiency, high-brightness LED's are standard. Universal mounting on the wall or ceiling allows installation versatility. The APE is ideal for commercial and institutional installations.

INTERNAL SPECIFICATIONS

SELF-POWERED: Standard 120/277VAC input, 6V 4.5Ah sealed lead calcium battery provides minimum 90 minutes emergency duration.

AutotesT: integrated diagnostics that monitor and indicate battery disconnect, charger failure, lamp failure & transformer fault.

EXTERNAL SPECIFICATIONS

The APE series is constructed from durable corrosion and flame resistant thermoplastic. Offered standard as a "universal" unit, the APE includes a mounting canopy, two (2) stencil faces and a backplate. Removeable chevrons and mounting hardware is included. Emergency heads can be rotated from side mount to top mount and are fully adjustable for accurate emergency illumination. The APE comes standard with a white finish. Removeable chevron arrows allow field adjustability. External test switch and monitor LED are standard.

INFRARED TESTING OPTION

The APE series offers an optional infrared testing (IRT) option. Using the compact remote, inspectors and maintenance personnel are able to access all functions of the APE series and perform the required tests. Not only is this convenient when testing hard to access exit signs, it is also a much safer way. Climbing and moving ladders from installation to installation is time consuming and can be dangerous. The infrared testing option performs all available tests with the press of a button.

INSTALLATION

The APE series combination unit is suitable for surface ceiling, wall and pendant mounting. Suitable for indoor & damp location installations.

ORDERING INFORMATION

Series	LED	Face / Mounting	Housing	Diagnostics	Options
APE	R (red)	U (universal)	W (white)	AT (autotest)	IRT (infrared remote test)
	G (green)		B (black)		R (remote capable)

Note (a): The Autotest diagnostic feature is standard on the APE series.
 Note (b): IRT option includes handheld remote.

APE BUILDER

Series	LED	Face / Mounting	Housing	Diagnostics	Options	Accessories
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

EXAMPLE: APE-GU-B-AT

DESCRIPTION: APE, thermoplastic combination unit, green LED, universal face, universal mounting, black finish, autotest diagnostics.

JOB:	TYPE:
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AUTOTEST DIAGNOSTICS

The APE series comes standard with the Beghelli AutotesT diagnostic system. Featuring continuous monitoring of the units main components (battery, charger, transformer, lamps & LED's) and providing instant visual verification of the status.

AUTOTEST FEATURES:

- Monitor battery disconnection, charger failure, lamp failure, LED failure and transformer fault every 5 seconds without discharging the battery.
- Automatically indicates lamp, battery and charger status by dual-color LED lamp.
- Factory preset AutotesT does not need to be field adjusted or reset for proper operation.

AUTOTEST FUNCTIONS:

- Verifies battery disconnect, charger board failure, lamp failure, LED failure and transformer failure every 5 seconds.
- One (1) minute autotest every month.
- Thirty (30) minute autotest every six (6) months.
- Ninety (90) minute autotest every twelve (12) months.

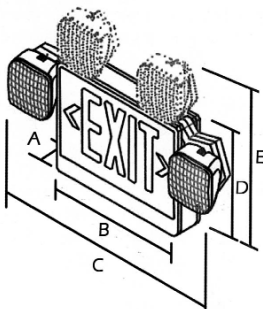
AUTOTEST VISUAL ALERT

- (1) blink red LED = Battery not connected
- (2) blinks red LED = Battery shorted and/or
Battery voltage drop
- (3) blinks red LED = Charger board fault
- (4) blinks red LED = Transformer fault
- (5) blinks red LED = Emergency lamp fault
- (6) blinks red LED = Remote lamp fault
- (7) blinks red LED = LED lamp fault

AUTOTEST MANUAL FUNCTIONS:

- Press test button 1x (within 2 sec.) = 1 minute test
- Press test button 2x (within 2 sec.) = 5 minute test
- Press test button 3x (within 2 sec.) = 30 minute test
- Press test button 4x (within 2 sec.) = 90 minute test

DIMENSIONS (in.)



Series	A"	B"	C"	D"	E"
APE	2.5"	16"	21"	10"	15"

MODERN DESIGN / ADJUSTABLE HEADS

The APE series combination exit & emergency unit features the ultimate in adjustability. Universal mounting, field adjustable chevrons and emergency lighting heads that swivel from a side mount configuration to a top mount configuration make the APE the most flexible unit in the field. Canopy and mounting hardware is also included.

MECHANICAL SPECIFICATIONS

The APE series housing uses durable corrosion and flame resistant thermoplastic. The APE can be universally mounted single or double face. High-efficiency, high-brightness LED's provide energy savings, long life and even illumination. Emergency lighting heads can be swiveled from side-mount to top-mount and anywhere in between. 5.4W Tungstem lamps are standard and included. Lens material is a high-impact polystyrene.

BATTERY

The APE series features a maintenance-free sealed lead calcium battery (6V 4.5Ah) that provides the APE with a minimum emergency operating time of 90 minutes. The APE can be ordered with an additional 6V 4.5Ah battery for remote loads up to twelve (12) additional watts. The maximum operating temperature is 50° c.

SUITABLE FOR DAMP LOCATION

The APE series is rated for use in damp locations. The APE is ideal for use in exterior covered breezeways, warehouses, covered corridors, pool areas and high humidity regions.

INSTALLATION MADE EASY

The APE series can be wall mounted or canopy mounted (ceiling). The canopy securely snaps in place without the use of any tool. Supplied with all the required standard mounting hardware and easy field wiring, the APE series is a favorite among installers.

WARRANTY

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



INTERNAL SPECIFICATIONS

AC ONLY: standard 120/277VAC input

SELF-POWERED: standard self-powered versions use sealed nickel-cadmium batteries to provide a minimum 90 minutes of emergency duration. Optional 120 minute duration battery is available. Solid state charger and transfer.

EXTERNAL SPECIFICATIONS

The STX series is constructed from durable 20 gauge steel. The STX comes standard with a white baked powder coat finish. Available in custom epoxy-based powder coat finishes (please specify). Single, double or universal face versions must be specified. Universal mounting pattern and key hole slots are stamped into the back plate. Removeable chevron arrows are standard on each fixture. The self-powered version comes standard with an external LED status indicator and test switch.

PRODUCT OVERVIEW

The STX series of commercial exit signs feature an attractive, contemporary steel housing design. Ideal for commercial and institutional installations, the slim profile of this sign blends perfectly with current interior decors. The STX comes standard configured with high-output LED technology. Available in both AC only and Self-powered versions.

INSTALLATION

The STX exit is suitable for surface ceiling, wall and end mounting, Pendant mount is also available. Suitable for indoor installations.

ORDERING INFORMATION

Series	Model	LED	Face No.	Housing	Options
STX	HT (AC only)	LR (red)	1 (single)	W (white)	AT (auto-test)
	SA (self-powered)	LG (green)	2 (double)	B (black)	FL (visual alarm - specify voltage)
			U (universal)		BZ (audible alarm - specify voltage)
					CC (custom color - specify)
					SW (special wording - specify)
					2CK (dual-circuit)
					PK (pendant kit - specify length)
					120SA (120 minute emergency)
					FI (fire alarm interface)

STX BUILDER

Series	Model	LED	Face No.	Housing	Options
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

EXAMPLE: STX-HT-LRU-W-AT
DESCRIPTION: STX, steel exit, AC only, red LED, universal face, white housing, auto-test.

JOB:	TYPE:
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MODERN DESIGN

The modern and thin design of the STX series exit provides a clean and attractive appearance. The 20 gauge steel frame contains no external holes or slots adding to the clean look while eliminating unwanted light leaks. The 20 gauge steel forms a rigid and durable frame that can be securely mounted in any application. The face and back plates are mounted into the frame using a channel system that permits simple and speedy removal during installation.



Faceplate slides out for quick and easy installation.

ELECTRICAL SPECIFICATIONS

The STX series is configured with high-output LED lamps. LED is standard with 120/277VAC input. All LED versions consume only 1.1W nominal power. Optional emergency illumination is provided by the LED light source at the following wattages:

6VDC	-	0.5 Watts
12VDC	-	1.5 Watts
24VDC	-	3.5 Watts

MECHANICAL SPECIFICATIONS

The STX is constructed of durable 20 gauge steel. Universal mounting pattern and key hole slots are stamped on the back plate. Surface mount conduit entry knockouts are also provided. Field removeable directional chevron arrows are standard. The STX is supplied standard with an attractive and durable white, baked powder coat finish. Other colors are available, including custom color matching, please specify. The advanced design of the STX leaves it with no extraneous holes or slots, thereby eliminating unwanted light leaks. A simple and sturdy channel design securely holds the face and back plates into the frame providing quick and trouble-free field installations.

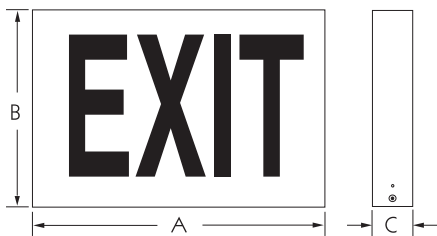
SELF-POWERED VERSIONS

The STX-SA self-powered series is designed to operate on battery power in the event of a regular / mains power failure. Both the battery and charger are completely contained within the standard enclosure. There are no external components and no alterations made to the external dimensions of the standard sign. The STX-SA self-powered series utilize a solid state transformer technology that eliminates the possibility of relay failure due to particle build up on the relay. Status is easily determined via an LED that indicates AC-ON. A push button test switch allows maintenance personnel to quickly confirm the operational status of the exit on AC fail.

BATTERY TECHNOLOGY

The STX-SA is designed with a maintenance free, sealed Nickel-Cadmium battery providing a minimum emergency duration of 90 minutes. An optional 120 minute Nickel-Cadmium battery is available. Recharge time of the battery is twenty-four (24) hours. The maximum battery working temperature is 50° C.

DIMENSIONS (in.)



Series	A"	B"	C"
STX	12"	7.5"	2.25"

WARRANTY

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

STX-C Combination Steel



STX-C



PRODUCT OVERVIEW

The STX combination exit sign and battery unit series features an attractive, contemporary steel housing design. Ideal for commercial & institutional installations; the combined ability to mark an exit and light the path of egress, make the STX Combination an extremely versatile fixture. Available configured with high-output LED lamps for self-powered operation.

LAMP SELECTION

6V TUNGSTEN: **standard:** 5.4w,
(H) halogen: 8w, 10w, 12w

6V SEALED BEAM: (SB) **standard:** 9w, 12w
(SBH) halogen: 12w

INTERNAL SPECIFICATIONS

SELF-POWERED: standard self-powered versions use a valve regulated, sealed lead-acid battery to provide the emergency lighting duration as specified per unit. Standard 120/277 input with Solid state charger and transfer.

EXTERNAL SPECIFICATIONS

The STX combination series is constructed from durable 20 gauge steel with standard white baked powder coat finish. Available in custom finishes (please specify.) Single, double or universal face versions must also be specified. Universal mounting pattern and key hole slots are stamped into the back plate. Removable chevron arrows are standard on each fixture. Standard external LED status indicators and push button test switch. Heads are molded from high impact thermoplastic in a matching color; SR PAR18 style heads are standard.

INSTALLATION

The STX combination series is suitable for surface ceiling and wall mounting. Suitable for indoor installations.

ORDERING INFORMATION

Series	Volts / Watts	LED	Face No.	Heads	Lamp	Housing	Options
STX-C	6-12	LR (red)	1 (single)	1SR (single par18)	see	W (white)	VM (voltmeter)
	6-18	LG (green)	2 (double)	2SR (double par18)	lamp	B (black)	AM (ammeter)
	6-27		U (universal)	1LR (single par36)	selection		TD (time delay - specify volt)
				2LR (double par36)			CC (custom color - specify)
				0 (none)			SW (special wording - specify)
							PK (pendant kit - specify length)

STX-C BUILDER

Series	Volts / Watts	LED	Face No.	Heads	Lamp	Housing	Options
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

EXAMPLE: STX-C-6-18-LR1-2SR-5.4W-W
DESCRIPTION: STX combination unit, 6V 18W, red LED, single face, wall mount, 2 par18 heads, 5.4W lamps, white housing.

JOB:	TYPE:
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ETL Listed. ADA Compliant. Indoor location.

CHARGER SPECIFICATIONS

The STX combination series charger is a fully automatic current limited charger with solid state line latched low voltage disconnect protection. All components are temperature compensated. The charger also has brownout and short circuit protection. Charger status is determined via a dual diagnostic LED display that indicates AC ON and High Charge. A push button test switch allows maintenance personnel to quickly determine the status of the exit and lamp load on AC fail.

ELECTRICAL SPECIFICATIONS

The STX combination series is configured with high-output LED lamps. Standard with 120/277VAC input. All LED versions use only 1.1W nominal power. Emergency illumination is provided by the LED light source at the following wattages:

6VDC	-	1.5 Watts
12VDC	-	2.5 Watts
24VDC	-	4.5 Watts

MECHANICAL SPECIFICATIONS

The STX combination series is constructed of durable 20 gauge steel. Universal mounting pattern and key hole slots are stamped on the back plate. Surface mount conduit entry knockouts are also provided. Field removable directional arrows are standard. This versatile fixture is supplied standard with an attractive and durable white, powder coat finish. Other colors are available, including custom color matching (please specify). The advanced design of the STX combination series contains no extraneous holes or slots, thereby eliminating unwanted light leaks. A simple and sturdy channel design securely holds the face and back plates into the frame providing quick and trouble free installation and maintenance.

MODEL RATING GUIDE

Model	Voltage	Wattage			
		90	120	180	240
STX-C-6-12	6	12	NA	NA	NA
STX-C-6-18	6	18	12	NA	NA
STX-C-6-27	6	27	18	12	NA

COMBINATION SERIES ADVANTAGES

The STX combination series provides exceptional emergency lighting versatility by combining an exit sign with a lighting unit. The various voltage and wattage configurations of the STX combination series allows for the powering of remote emergency lighting fixtures, further enhancing the capabilities of this series. The clean looks and sturdy design work well in just about every application.

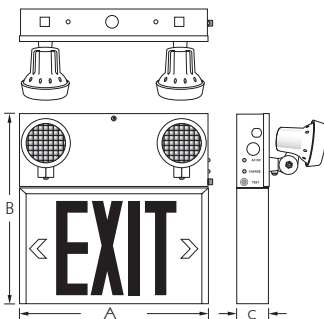
BATTERY TECHNOLOGY

The STX combination series is designed with a maintenance free, valve regulated sealed lead-acid battery providing emergency lighting duration as specified per unit. Recharge time of the battery is twenty-four (24) hours. The maximum battery operating temperature is 50° C.

HEAD FEATURES

The STX combination series is supplied with two (2) PAR18 small style heads. Large style PAR36 heads are also available. Both head styles are constructed of high impact thermoplastic in a color matching the finish of the cabinet. Both feature a unique twist locking collar that securely holds the lens and facilitates quick and easy re-lamping.

DIMENSIONS (in.)



Series	A"	B"	C"	D"
STX-C	12"	12.5"	2.25"	4.7"

WARRANTY

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



PRODUCT OVERVIEW

The ATX series of commercial extruded aluminum exit signs feature an attractive and slim housing design. Ideal for commercial and institutional installations, the slim profile of this extruded fixture blends perfectly with current interior decors. The ATX series is available configured with high-output LED's in AC only and Self-Powered operation versions.

INTERNAL SPECIFICATIONS

AC ONLY: comes standard configured with high-output LED technology, 120/277VAC input.

SELF-POWERED: comes standard configured with high-output LED technology, 120/277VAC input. Nickel-cadmium batteries provide a minimum 90 minutes of emergency duration. Optional 120 minute duration battery is available. Solid state charger & transfer.

EXTERNAL SPECIFICATIONS

The ATX series is constructed from durable extruded Aluminum. Standard with a white baked powder coat finish. The ATX is also available in custom epoxy-based powder coat finishes (please specify). Single, double or universal face version must be specified. Universal mounting pattern and key hole slots are stamped into the back plate. Removable chevron arrows are standard on each fixture. The self-powered version comes standard with an external LED status indicator and test switch.

INSTALLATION

The ATX is suitable for surface, ceiling, wall, end and pendant mounting. Suitable for indoor installations.

ORDERING INFORMATION

Series	Model	LED	Face No.	Housing	Options
ATX	HT (AC only)	LR (red)	1 (single)	W (white)	AT (auto-test)
	SA (self-powered)	LG (green)	2 (double)	B (black)	FL (visual alarm - specify voltage)
U (universal)			BZ (audible alarm - specify voltage)		
					CC (custom color - specify)
					SW (special wording - specify)
					2CK (dual-circuit)
					PK (pendant kit - specify length)
					120SA (120 minute emergency)
					FI (fire alarm interface)
					BA (brushed aluminum)

ATX BUILDER

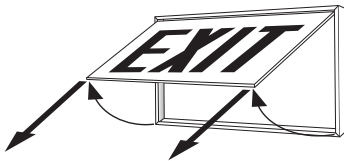
Series	Model	LED	Face No.	Housing	Options
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

EXAMPLE: ATX-SA-LRU-W
 DESCRIPTION: ATX extruded aluminum exit, self-powered unit, red LED, universal face, white housing.

JOB:	TYPE:
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EXTRUDED DESIGN

The clean lines and thin design of the ATX series exit provides it with a modern and attractive appearance. The extruded aluminum frame contains no external holes or slots adding to the clean look while eliminating unwanted light leaks. The aluminum also forms a rigid and durable frame that can be securely mounted in any application. The face and back plates are mounted into the frame using a pin and channel system that permits simple and speedy removal during installation. This design also eliminates the need for any visible screws or fasteners.



Faceplate slides up and outwards for quick and easy installation.

ELECTRICAL SPECIFICATIONS

The ATX series is configured with high-output LED lamps. Standard with 120/277VAC input. All LED versions consume only 1.1W nominal power. Optional emergency illumination is provided by the LED light source at the following wattages:

- 6VDC - 0.5 Watts
- 12VDC - 1.5 Watts
- 24VDC - 3.5 Watts

MECHANICAL SPECIFICATIONS

The ATX is constructed of sturdy extruded aluminum. Universal mounting pattern and key hole slots are stamped on the back plate. Surface mount conduit entry knockouts are also provided. Field removable directional chevron arrows are standard. The ATX is supplied standard with an attractive and durable white, baked powder coat finish. Other colors are available, including custom color matching, please specify. The face plate is held securely in place with a pin and channel system that allows the face plate to slide in the frame providing complete access to the interior of the sign. No visible screws, nuts or fasteners are used that would detract from the clean, modern design.

SELF-POWERED VERSIONS

The ATX-SA self-powered series is designed to operate on battery power in the event of a regular / mains power failure. Both the battery and charger are completely contained within the standard enclosure. There are no external components and no alterations made to the external dimensions of the standard sign. The ATX-SA self-powered series utilize a solid state transformer technology that eliminates the possibility of relay failure due to particle build up on the relay. Status is easily determined via an LED that indicates AC-ON. A push button test switch allows maintenance personnel to quickly confirm the operational status of the exit on AC fail.

BATTERY TECHNOLOGY

The ATX-SA is designed with a maintenance free, Nickel-Cadmium battery providing a minimum emergency duration of 90 minutes. An operational 120 minute Ni-Cad battery is available. Recharge time of the battery is twenty-four (24) hours. The maximum battery working temperature is 50° C.

DIMENSIONS (in.)



Series	A"	B"	C"
ATX	13"	7.5"	2"

WARRANTY

The ATX Series comes with a 5-year factory warranty. Deliberate damage, misuse, improper installation effectively cancel the warranty.





LC1 Die-Cast Traditional Exit

INDOOR



LC1



PRODUCT OVERVIEW

The LC1 series is designed to provide a durable, traditional and maintenance-free exit sign. The LC1 is manufactured from sturdy die-cast aluminum and comes standard with a brushed aluminum face and black housing. A universal mounting canopy is also included for ceiling and end mount applications. The LC1 series comes standard configured with high-output LED technology. AC only and Self-powered versions are available.

INTERNAL SPECIFICATIONS

AC ONLY: comes standard configured with high-output LED technology, 120/277VAC input.

SELF-POWERED: comes standard configured with high-output LED technology, 120/277VAC input. Nickel-cadmium batteries provide a minimum 90 minutes of emergency duration. Optional 120 minute duration battery is available. Solid state charger & transfer.

EXTERNAL SPECIFICATIONS

The LC1 series is constructed from durable die-cast aluminum and comes standard with a brushed aluminum face plate(s) and a black housing. Single or double face versions must be specified. Available in custom epoxy-based powder coat finishes (please specify). Universal mounting pattern and key hole slots are stamped into the housing. Removable chevron arrows are standard on each unit. The self-powered LED version comes standard with an external LED status indicator and test switch.

INSTALLATION

The LC1 series is suitable for ceiling, wall and end mounting. Suitable for indoor installations.

ORDERING INFORMATION

Series	Model	LED	Face No.	Housing	Face	Options
LC1	HT (AC only)	LR (red)	1 (single)	B (black)	B (black)	AT (auto-test)
	SA (self-powered)	LG (green)	2 (double)	W (white)	W (white)	FL (visual alarm - specify voltage)
				AL (aluminum)	AL (aluminum)	BZ (audible alarm - specify voltage)
						SW (special wording - specify)
						2CK (dual-circuit)
						TPS (tamper proof shield & screws)
						PK (pendant kit - specify length)
						120SA (120 minute emergency)
						FI (fire alarm interface)

LC1 BUILDER

Series	Model	LED	Face No.	Housing	Face	Options
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

EXAMPLE: LC1-HT-LG1-B-AL
DESCRIPTION: LC1 die-cast exit, AC only, green LED, single face, black housing, brushed aluminum stencil.

JOB:	TYPE:
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DIE-CAST DESIGN

The excellent visual performance and architecturally pleasing design makes the LC1 series the premier choice for applications requiring the durability and the craftsmanship of die-cast aluminum exit signs. The standard brushed aluminum face blends well with any setting and provides a clean, modern look. The die-cast aluminum construction provides the LC1 series with exceptional strength and rigidity.

ELECTRICAL SPECIFICATIONS

The LC1 series is configured with high-output LED lamps. Standard with 120/277VAC input. All LED versions consume only 1.1W nominal power. Optional emergency illumination is provided by the LED light source at the following wattages:

6VDC	-	0.5 Watts
12VDC	-	1.5 Watts
24VDC	-	3.5 Watts

MECHANICAL SPECIFICATIONS

The LC1 series is constructed from durable die-cast aluminum. Universal mounting pattern and key hole slots are stamped on the back. A surface mount conduit entry knockout is also provided. Field removable directional chevron arrows are standard. The LC1 is supplied standard with a brushed aluminum face(s) and a black baked powder coat finished housing. Other colors are available, including custom color matching, please specify. The face plate is held securely in place with four reinforcement clips, that allow for complete access to the interior of the sign. No visible screws, nuts or fasteners are used in the face plate design.

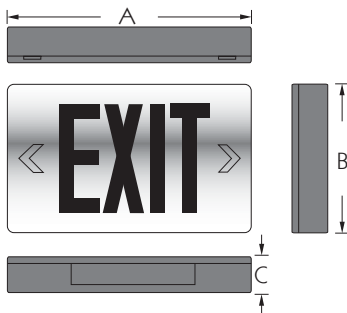
SELF-POWERED VERSIONS

The LC1-SA series is designed to operate on battery power in the event of a regular / mains power failure. Both the battery and charger are completely contained within the standard enclosure. There are no external components and no alterations made to the external dimensions of the standard sign. The LC1-SA self-powered series utilize a solid state transformer technology that eliminates the possibility of relay failure due to particle build up on the relay. Status is easily determined via an LED that indicates AC-ON. A push button test switch allows maintenance personnel to quickly confirm the operational status of the exit on AC fail.

BATTERY TECHNOLOGY

The LC1-SA is designed with a maintenance free, Nickel-Cadmium battery providing a minimum emergency duration of 90 minutes. An operational 120 minute Ni-Cad battery is available. Recharge time of the battery is twenty-four (24) hours. The maximum battery working temperature is 50° C.

DIMENSIONS (in.)



Series	A"	B"	C"
LC1	13.5"	8.25"	2.375"

WARRANTY

The LC1 Series comes with a 5-year factory warranty. Deliberate damage, misuse, improper installation effectively cancels the warranty.



LC1-ECCO Die-Cast Low Profile Exit



LC1E



PRODUCT OVERVIEW

The LC1E series is designed to provide a durable, attractive and maintenance-free exit sign. The LC1E is manufactured from sturdy die-cast aluminum and comes standard with a brushed aluminum convex face and black housing. A universal mounting canopy is also included for ceiling and end mount applications. The LC1E series comes standard configured with high-output LED technology, available in red or green. AC only and Self-powered versions are available. The LC1E is damp location rated through ETL.

INTERNAL SPECIFICATIONS

AC ONLY: comes standard configured with high-output LED technology, 120/277VAC input.

SELF-POWERED: comes standard configured with high-output LED technology, 120/277VAC input. Nickel-Cadmium batteries provide a minimum 90 minutes of emergency duration. Solid state charger & transfer.

EXTERNAL SPECIFICATIONS

The LC1E series is constructed from durable die-cast aluminum and comes standard with a brushed aluminum face plate(s) and a black housing. Single, double and universal face versions must be specified. Available in custom epoxy-based powder coat finishes (please specify). Universal mounting knockouts are standard for ease of installation. Removable chevrons are standard on each face for field adjustability.

INSTALLATION

The LC1E series is suitable for ceiling, wall and end mounting. Suitable for damp location area installations.

ORDERING INFORMATION

Series	Model	LED	Face #	Housing	Stencil	Options
LC1E	HT (AC only)	LR (red)	1 (single)	B (black)	B (black)	AT (auto-test)
	SA (self-powered)	LG (green)	2 (double)	W (white)	W (white)	2CK (dual circuit)
			U (universal)	AL (aluminum)	AL (aluminum)	PK (pendant kit - specify length)

LC1E BUILDER

Series	Model	LED	Face #	Housing	Stencil	Options
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

EXAMPLE: LC1E-HT-LG1-B-AL
DESCRIPTION: LC1E die cast exit, AC only, green LED, single face, black housing, brushed aluminum stencil.

JOB:	TYPE:
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ELECTRICAL SPECIFICATIONS

The LC1E series is configured with high-output LED lamps. Standard with 120/277VAC input. All LED versions consume only 1.1W nominal power. Optional emergency illumination is provided by the LED light source at the following wattages.

6VDC - 0.5W
12VDC - 1.5W
24VDC - 3.5W

MECHANICAL SPECIFICATIONS

The LC1E series is constructed from durable die-cast aluminum. Universal mounting pattern and key hole slots are stamped on the back. A surface mount conduit entry knockout is also provided. Field removable directional chevron arrows are standard. The LC1E is supplied standard with a brushed aluminum face(s) and a black baked powder coat held securely in place with no visible screws, nuts or fasteners for a clean look.

DIE-CAST DESIGN

The excellent visual performance and architecturally pleasing design makes the LC1E series the premier choice for applications requiring the durability and the craftsmanship of die-cast aluminum exit signs. The standard brushed aluminum face blends well with any setting and provides a clean, contemporary look. The die-cast aluminum construction provides the LC1E series with exceptional rigidity and strength.

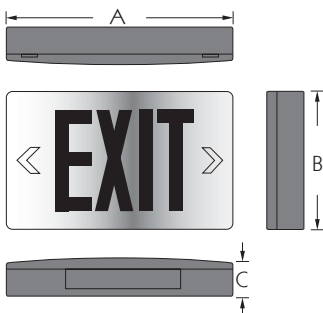
SELF-POWERED VERSION

The LC1E-SA series is designed to operate on battery power in the event of a regular/mains power failure. Both the battery and charger are completely contained within the standard enclosure. There are no external components and no alterations made to the external dimensions of the standard sign.

BATTERY TECHNOLOGY

The LC1E-SA is designed with a maintenance free, Nickel-Cadmium battery providing a minimum emergent duration of 90 minutes. Recharge time is twenty-four (24) hours.

DIMENSIONS (in.)



Series	A"	B"	C"
LC1E	12.75"	8.5"	2"

WARRANTY

The LC1E Series comes with a 5-year factory warranty. Deliberate damage, misuse, improper installation effectively cancel the warranty.



OL2 Traditional Edge-Lit

INDOOR



OL2



PRODUCT OVERVIEW

The OL2 series has been developed with style, ease of installation and dependability in mind. Utilizing high-output indirect LED technology, the OL2 provides a recessed or surface mounted edge-lit EXIT sign with excellent light distribution. The OL2 series can be wall / ceiling recessed or surface mounted. End mount configurations are also available. The OL2 series can be configured for AC only and Self-Powered operation versions. The OL2 series features universal field adjustable chevrons.

INTERNAL SPECIFICATIONS

AC ONLY: comes standard configured with high-output LED technology, 120/277VAC input.

SELF-POWERED: comes standard configured with high-output LED technology, 120/277VAC input. Nickel-cadmium batteries provide a minimum 90 minutes of emergency duration. Optional 120 minute duration battery is available. Solid state charger & transfer.

EXTERNAL SPECIFICATIONS

The OL2 series housing backbox is constructed from durable 20 gauge steel. The acrylic face plate is available in both single face or double face versions, with a clear, white, mirrored or self-luminous background (please specify). Field adjustable chevrons are standard. Recessed versions are supplied standard with a white, baked powder coat steel trim plate. Available in custom epoxy-based powder coat finishes (please specify). External LED monitor light and test switch are standard on self-powered versions.

INSTALLATION

The OL2 series is suitable for recessed / surface ceiling or wall mounting. Suitable for indoor installations.

ORDERING INFORMATION

Series	Model	LED	Face #	Panel Color	Mounting	Options
OL2	HT (AC only)	LR (red)	1 (single)	C (clear)	CR (ceiling recess)	AT (auto-test)
	SA (self-powered)	LG (green)	2 (double)	W (white)	WR (wall recess)	BA (brushed aluminum trim plate)
				M (mirror)	CS (ceiling surface)	PA (polished aluminum trim plate)
					WS (wall surface)	PB (polished brass trim plate)
					ES (end surface)	BR (bronze trim plate)
						SW (special wording - specify)
						SL (self-luminous face)*
						IF (inverted face)
						PK (pendant kit - specify length)
						120SA (120 minute emergency)

OL2 BUILDER

Series	Model	LED	Face #	Panel Color	Mounting	Options
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

EXAMPLE: OL2-SA-LR1-CCR

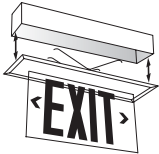
DESCRIPTION: OL2 edge-lit exit, self-powered, red LED, single face, clear panel, ceiling recess.

JOB:	TYPE:
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EDGE-LIT DESIGN

The OL2 series of elegantly designed edge-lit exit signs feature a clean and contemporary look. The design brings style and flexibility to your next prestigious exit sign application. The indirect LED illumination evenly lights the acrylic face with crisp, even light. The ultra thin face plate virtually disappears once installed, yet the EXIT lettering boldly distinguishes the path of egress. The wide variety of finishes and mounting configurations available will ensure that the OL2 series can be easily matched to your decor.



Trim and faceplate mount into backbox for quick and easy installation.

ELECTRICAL SPECIFICATIONS

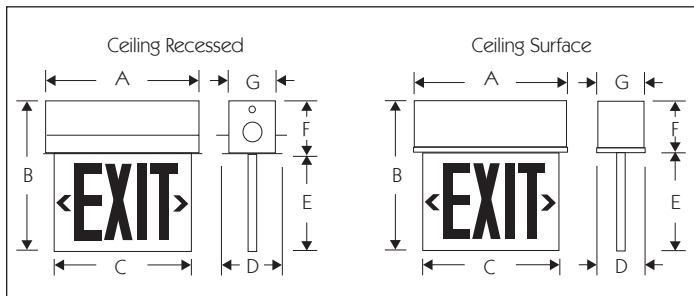
The OL2 series is configured with high-output LED lamps. Standard with 120/277VAC input. All LED versions consume only 1.1W nominal power. Optional emergency illumination is provided by the LED light source at the following wattages:

- 6VDC - 0.5 Watts
- 12VDC - 1.5 Watts
- 24VDC - 3.5 Watts

SELF-LUMINOUS FACE

The OL2 series can be ordered with an optional self-luminous face panel. The use of photoluminescent technology adds a new level of safety to current signage. The OL2 series optional self-luminous panel automatically charges itself in one (1) hour using any available light source. The 80% phosphorus pigments create a white "glow" which allows the OL2 edge-lit series to continually illuminate for up to 4 hours. The added element of safety that photoluminescent technology offers is ideal for use on every edge-lit installation.

DIMENSIONS (in.)



Model	A"	B"	C"	D"	E"	F"	G"
Ceiling Recessed	15"	12"	12"	5"	7"	4"	4"
Ceiling Surface	15"	12"	12"	4.25"	7"	4"	4"

SELF-POWERED VERSIONS

The OL2-SA series is designed to operate on battery power in the event of a regular / mains power failure. Both the battery and charger are completely contained within the standard enclosure. There are no external components and no alterations made to the external dimensions of the standard sign. The OL2-SA self-powered series utilize a solid state transformer technology that eliminates the possibility of relay failure due to particle build up on the relay. Status is easily determined via an LED that indicates AC-ON. A push button test switch allows maintenance personnel to quickly confirm the operational status of the exit on AC fail.

BATTERY TECHNOLOGY

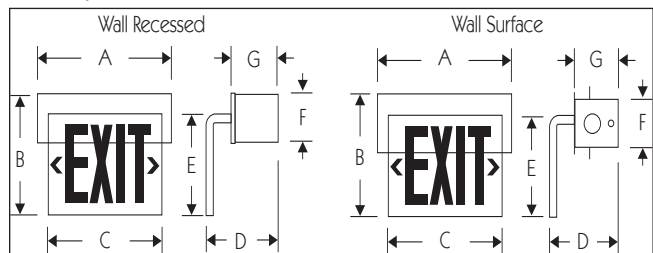
The OL2-SA is designed with a maintenance free, Nickel-Cadmium battery providing a minimum emergency duration of 90 minutes. An operational 120 minute Ni-Cad battery is available. Recharge time of the battery is twenty-four (24) hours. The maximum battery working temperature is 50° C.

MECHANICAL SPECIFICATIONS

The OL2 series housing is constructed of sturdy 20 gauge steel. Universal mounting pattern and key hole slots are stamped into the housing providing various mounting options. Ceiling recessed versions are supplied standard with removable steel T-Bar ceiling tile mounting brackets. All trim plates are supplied standard with an attractive and durable white, baked powder coat finish. Other colors are available, including custom color matching, please specify. Face plates for the OL2 series are constructed of clear, solid acrylic. Field removable directional chevron arrows are standard. Recessed version face plates are held securely in place with two (2) torsion spring clips that allows the face plate to accommodate uneven or angled ceilings and walls. This design leaves no visible screws, nuts or fasteners in the trim plate that would detract from the clean, modern design.

WARRANTY

The OL2 Series comes with a 5-year factory warranty. Deliberate damage, misuse, improper installation effectively cancel the warranty.



Model	A"	B"	C"	D"	E"	F"	G"
Wall Recessed	15"	10.5"	12"	4.5"	8"	5"	4"
Wall Surface	15"	10.5"	12"	4.5"	8"	4.25"	4"





OL2-TL Thinline Edge-lit



TL-210



PRODUCT OVERVIEW

The OL2-TL features a reduced size back box and trimplate; allowing for more flexibility during installation. High-output, high-efficiency LED's provide excellent and even light distribution across the edge-lit panel. The OL2-TL can be configured for surface or recess installations. The OL2-TL can be specified as AC only or self-powered. The OL2-TL features field adjustable chevrons.

INTERNAL SPECIFICATIONS

AC ONLY: comes standard configured with high-output LED technology, 120/277VAC input.

SELF-POWERED: comes standard configured with high-output LED technology, 120/277VAC input. Nickel-Cadmium batteries provide a minimum 90 minutes of emergency duration. Optional 120 minutes duration battery is available. Solid state charger & transfer.

EXTERNAL SPECIFICATIONS

The OL2-TL series housing back-box is constructed from durable 20 gauge steel. The acrylic face plate is available in both single or double face configurations, with a clear, white, mirrored or self-luminous background (please specify). Field adjustable chevrons are standard. Custom wording is also available (please consult factory). Recess versions are supplied standard with a white, baked powder coat aluminum trim plate. Available in customer epoxy-based powder coat finishes (please specify). External LED monitor light and test switch are standard on self-powered versions.

INSTALLATION

The OL2-TL series is suitable for recessed/surface ceiling or wall mounting. Suitable for indoor installations.

ORDERING INFORMATION

Series	Model	LED	Face #	Panel Color	Mounting	Options
OL2-TL	HT (AC only)	LR (red)	1 (single)	C (clear)	CR (ceiling recess)	BA (brushed aluminum trim plate)
	SA (self-powered)	LG (green)	2 (double)	W (white)	WR (wall recess)	PA (polished aluminum trim plate)
				M (mirror)	CS (ceiling surface)	PB (polished brass trim plate)
					WS (wall surface)	BR (bronze trim plate)
					ES (end surface)	SW (special wording - specify)
						SL (self-luminous face) *
						IF (inverted face)
						PK (pendant kit - specify length)
						120SA (120 minute emergency)

OL2-TL BUILDER

Series	Model	LED	Face #	Panel Color	Mounting	Options
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

EXAMPLE: OL2-TL-SA-LR1-CCR

DESCRIPTION: OL2-TL edge-lit exit, self-powered, red LED, single face, clear panel, ceiling recess.

JOB:	TYPE:
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EDGE-LIT DESIGN

The OL2-TL series of elegantly designed edge-lit exit signs feature a clean and contemporary look. The design brings style and flexibility to your next prestigious exit sign application. The indirect LED illumination evenly lights the acrylic face with crisp, even light. The ultra thin, clear face plate virtually disappears once installed, yet the EXIT lettering boldly distinguishes the path of egress. The wide variety of finishes and mounting configurations available will ensure that the OL2-TL series can be easily matched to your decor. Custom wording is also available.

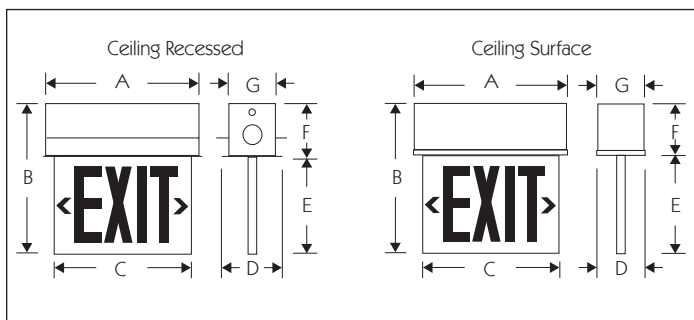
ELECTRICAL SPECIFICATIONS

The OL2-TL series housing is constructed of sturdy 20 gauge steel. Universal mounting pattern and key hole slots are stamped into the housing providing various mounting options. Ceiling recessed versions are supplied standard with adjustable steel T-Bar ceiling tile mounting brackets. All trim plates are supplied standard with attractive and durable white, baked powder coat finish. Other colors are available, including custom color matching, please specify. Face plates for the OL2-TL series are constructed of clear, solid acrylic. Field removable directional chevrons are standard. Recessed version face plates are held securely in place with two (2) torsion spring clips that allow the face plate to accommodate uneven or angled ceilings and walls. This design leaves no visible screws, nuts or fasteners in the trim plate that would detract from the clean, modern design.

BATTERY TECHNOLOGY

The OL2-TL-SA is designed with a maintenance free, Nickel-Cadmium battery providing a minimum emergency duration of 90 minutes. An operational 120 minute Nickel-Cadmium battery is available. Recharge time of the battery is twenty-four (24) hours. The minimum charging temperature is 32°F and the maximum charging temperature is 133°F.

DIMENSIONS (in.)



Model	A"	B"	C"	D"	E"	F"	G"
Ceiling Recessed	16.65"	12"	12"	2.75"	8"	4"	2"
Ceiling Surface	16.65"	12"	12"	2.4"	8"	4"	2"

SELF-POWERED VERSIONS

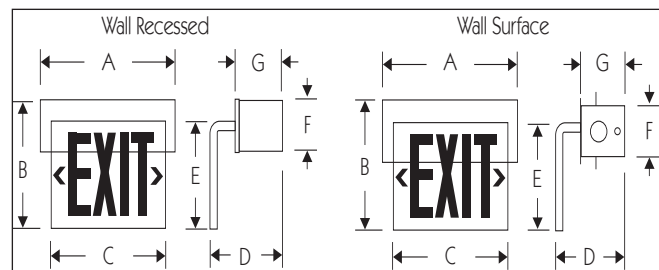
The OL2-TL-SA series is designed to operate on battery power in the event of a regular/mains power failure. Both the battery and charger are completely contained within the standard enclosure. There are no external components and no alterations made to the external dimensions of the standard sign. The OL2-TL-SA self-powered series utilize a solid state transformer technology that eliminates the possibility of relay failure due to particle build up on the relay. Status is easily determined via an LED that indicates AC-ON. A push button test switch allows maintenance personnel to quickly confirm the operational status of the EXIT on AC fail.

SELF-LUMINOUS FACE

The OL2-TL series can be ordered with an optional self-luminous face panel. The use of photoluminescent technology adds a new level of safety to current signage. The OL2-TL series optional self-luminous panel automatically charges itself in one (1) hour using any available light source. The 80% phosphorus pigments create a white "glow" which allows the OL2-TL edge-lit series to continually illuminate for up to 4 hours. The added element of safety that photoluminescent technology offers is ideal for use on every edge-lit installation.

WARRANTY

The OL2-TL Series comes with a 5-year factory warranty. Deliberate damage, misuse, improper installation effectively cancel the warranty.



Model	A"	B"	C"	D"	E"	F"	G"
Wall Recessed	17.5"	10"	12"	5.5"	8"	2"	4"
Wall Surface	17"	10"	12"	5.5"	8"	2"	4"



Cyclone Modern Edge-Lit

INDOOR



CYCLONE



PRODUCT OVERVIEW

The CYCLONE edge-lit Exit features a clean, cylindrical design. When paired with die-cast canopy, the CYCLONE provides a fresh approach to the traditional exit sign. The “quick slide” canopy allows in-field adjustment from wall mount to ceiling mount. Utilizing direct, high-output, high efficiency LED’s, the CYCLONE illuminates with a crisp and even light distribution. The CYCLONE can be wall, ceiling or end mounted. Wall and ceiling are field adjustable, end mount configuration must be specified. The CYCLONE is available in AC only and Self-powered variations. Field adjustable chevrons are standard.

ORDERING INFORMATION

Series	Model	LED	Face #	Panel Color	Mounting	Options
CYC	HT (AC only)	LR (red)	1 (single)	C (clear)	WCS (wall/ceiling surface)	W (white housing)
	SA (self-powered)	LG (green)	2 (double)	W (white)	ES (end surface)	B (black housing)
				M (mirror)		BA (brushed aluminum finish)
						PA (polished aluminum finish)
						BR (bronze finish)
						AN (anodized finish - specify)
						CC (custom color - specify)
						SW (special wording - specify)
						SL (self-luminous face)*
						PK (pendant kit - specify length)

CYCLONE BUILDER

Series	Model	LED	Face #	Panel Color	Mounting	Options
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

EXAMPLE: CYC-SA-LR2-W-WCS-B

DESCRIPTION: Cyclone edge-lit exit, self-powered, red LED, double face, white panel, ceiling surface, black housing.

JOB:	TYPE:
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INTERNAL SPECIFICATIONS

AC ONLY: comes standard configured with high-output LED technology, 120/277VAC input.

SELF-POWERED: comes standard configured with high-output LED technology, 120/277VAC input. Nickel-cadmium batteries provide a minimum 90 minutes of emergency duration. Solid state charger & transfer.

EXTERNAL SPECIFICATIONS

The CYCLONE series cylindrical housing is constructed as a single piece from extruded aluminum. The canopy is made from durable die-cast aluminum and the end caps from machined aluminum. The high clarity acrylic face plate is available in both single face or double face versions, with a clear, white, mirrored or self-luminous background (please specify). Field adjustable chevrons are standard. White, baked powder coat finish is standard on all versions. Available in custom colors and finishes (please specify). External LED monitor light and test switch are standard on self-powered versions.

INSTALLATION

The CYCLONE is suitable for surface ceiling, wall and end mounting. Suitable for indoor installations.



MODERN DESIGN

The CYCLONE series of cylindrical designed edge-lit exit signs feature a radical, high-tech look. The design lends cutting edge technology and style to today's modern interior exit sign applications. The one-piece cylindrical body is extremely rigid and holds all of the LED circuitry in precision formed mounting channels. The indirect LED illumination provided by this design evenly lights the acrylic face with crisp, even light. The clear area of the ultra thin face plate virtually disappears once installed. The choice of clear, white, mirrored or self-luminous backgrounds allow the CYCLONE series to be best matched to the decor. A wide variety of finishes and mounting configurations available will ensure that the CYCLONE can be suited to your installation.

ELECTRICAL SPECIFICATIONS

The CYCLONE series is configured with high-output LED lamps. Standard with 120/277VAC input. All LED versions consume only 1.1W nominal power. Optional emergency illumination is provided by the LED light source at the following wattages:

6VDC	-	0.5 Watts
12VDC	-	1.5 Watts
24VDC	-	3.5 Watts

BATTERY TECHNOLOGY

The CYCLONE-SA is designed with a maintenance free, Nickel-Cadmium battery providing a minimum emergency duration of 90 minutes. Recharge time of the battery is twenty-four (24) hours. The maximum battery working temperature is 50° C.

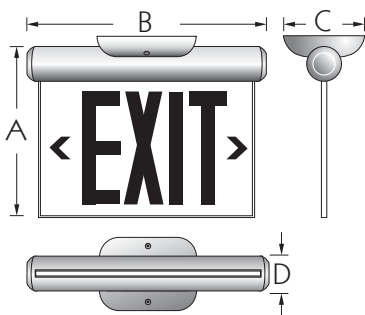
SELF-POWERED VERSIONS

The CYCLONE-SA self-powered series is designed to operate on battery power in the event of a regular / mains power failure. Both the battery and charger are completely contained within the standard enclosure. There are no external components and no alterations made to the external dimensions of the standard sign. The CYCLONE-SA self-powered series utilize a solid state transformer technology that eliminates the possibility of relay failure due to particle build up on the relay. Status is easily determined via an LED that indicates AC-ON. A push button test switch allows maintenance personnel to quickly confirm the operational status of the exit on AC fail.

SELF-LUMINOUS FACE

The CYC series can be ordered with an optional self-luminous face panel. The use of photoluminescent technology adds a new level of safety to current signage. The CYC series optional self-luminous panel automatically charges itself in one (1) hour using any available light source. The 80% phosphorus pigments create a white "glow" which allows the CYC edge-lit series to continually illuminate for up to 4 hours. The added element of safety that photoluminescent technology offers is ideal for use on every edge-lit installation.

DIMENSIONS (in.)



Model	A"	B"	C"	D"
CYC	9"	12.5"	2"	2"

WARRANTY

The CYCLONE Series comes with a 5-year factory warranty. Deliberate damage, misuse, improper installation effectively cancel the warranty.



PRODUCT OVERVIEW

The MICRA series of exit signs feature an ultra thin extruded aluminum design. The one piece body is extruded to exacting standards producing an extremely rigid body that eliminates any light leaks. The ultra narrow profile provides a stylish and contemporary appearance, perfectly suited to modern business and commercial decors. The MICRA can be wall, ceiling or end mounted and configured with high-output LED's for AC only operation.

ORDERING INFORMATION

Series	Model	LED	Face #	Mounting	Chevron Type	Chevron S (version only)	Options
MCA	HT (AC only)	LR (red)	1 (single)	W (wall - no canopy)	S (specified)	0 (no chevron)	CC (custom color - specify)
		LG (green)	2 (double)	C (ceiling - w/canopy)	F (flush)	L (left)	AN (clear anodized finish)
				E (end - w/canopy)	R (recessed)	R (right)	BA (brushed aluminum finish)
						D (double arrow)	SW (special wording - specify)
							PK12 (12" pendant kit)

Note: Mounting must be specified. Canopy is installed to the exit during manufacture and is not field adjustable.

MICRA BUILDER

Series	Model	LED	Face #	Mounting	Chevron Type	Options
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

EXAMPLE: MCA-HT-LG2-C-S-L

DESCRIPTION: Micra extruded aluminum exit, AC only, green LED, double face, ceiling mount, specified chevrons, left.

JOB:	TYPE:
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ADVANCED DESIGN

The MICRA series of extruded aluminum signs feature an ultra thin “fusion” one-piece body. The design incorporates cutting edge technology, producing one of the slimmest aluminum exits ever manufactured. The one-piece body is extremely rigid and holds all of the LED circuitry in precision formed mounting channels. The LED illumination provided by this design evenly illuminates the exit face; while the ultra thin design “traps” light, further enhancing output. The canopy has been custom designed to complement the ultra thin appearance of the MICRA, as well as provide a stable and rigid mounting platform. A wide variety of finishes are available, ensuring that the MICRA can be suited to your installation.

MECHANICAL SPECIFICATIONS

The MICRA “fusion” body is constructed from a single piece of extruded aluminum. All mounting channels are extruded with the housing at the time of manufacture, adding to the rigidity of the sign. The housing end plates are machined from solid aluminum and secured to the housing with two (2) screws. The MICRA canopy is made from 16 gauge steel and is attached to the housing at the factory to provide the most secure mounting possible. The MICRA is supplied standard with a durable white, baked powder coat finish. Other colors are available, including custom color matching, please specify. All exit face wording, mounting patterns and chevron arrows are cut during the manufacturing process. Single or double face versions must be specified. Custom wording / graphics are available, please specify.

CHEVRON ARROWS

The MICRA series chevron arrows can be specified at the time of order to exactly match specifications. Otherwise, universal chevrons are cut and field selectable chevron blanks may be arranged to suit installation specifications. The chevron options available for the MICRA series are:

S - Specified Chevrons

Chevrons are specified at the time of order (none, left, right or double) and only those chevrons are cut into the exit sign during manufacturing. Chevrons are not field adjustable.

F - Flush Chevrons

Both chevrons are cut into the exit. Color matched chevron blanks are fitted into the chevron holes. The blanks are designed to fit flush to the finished exit face, minimizing the appearance of the blanked out chevron. Chevrons are field adjustable by removing the blank(s).

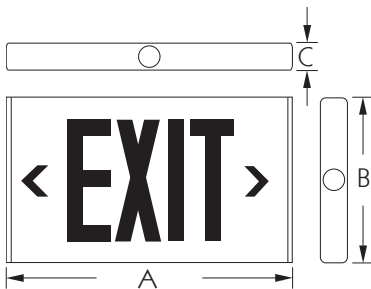
R - Recessed Chevrons

Both chevrons are cut into the exit. Color matched chevron blanks are placed behind the chevron holes to cover the fiber. Chevrons are field adjustable by removing the blank(s).

ELECTRICAL SPECIFICATIONS

The MICRA series is configured with high-output LED lamps. Standard with 120/277VAC input. All LED versions consume only 2W nominal power.

DIMENSIONS (in.)



Series	A"	B"	C"
MCA	12"	9"	1.25"

WARRANTY

The MICRA Series comes with a 5-year factory warranty. Deliberate damage, misuse, improper installation effectively cancel the warranty.

Industrial Application Exits



EXIT



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Technical Data	102



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<i>Fiberglass, LED</i>	
Ceiling, wall & end installed product specification. NEMA 4X	103
Technical Data	104



<i>EVR Series</i>	Page
<i>14ga Steel construction, LED</i>	
Ceiling, wall & end installed product specification.	105
Technical Data	106



<i>TSL Series</i>	Page
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PRODUCT OVERVIEW

The FORTEZZA series heavy duty exit sign is designed to stand up to high abuse areas such as correctional facilities, schools, apartment complexes, and public areas that may be subject to vandalism. The heavy gauge cast aluminum housing and high abuse polycarbonate faceplate offers extreme protection and superior performance with a contemporary look. Tamper resistant screws insure the integrity of the unit. Perforated chevrons allow for on-site selection. The FORTEZZA comes standard with a high reflective white powder coat inside the housing to maximize the LED distribution. The FORTEZZA is also available with high output LED's in AC only and self-powered operations.

The FORTEZZA is wet location /IP 66 rated. The Fortezza utilizes a long-life neoprene gasket. An internal heater option with thermostat is available for low temperature installations. (See selection guide for ordering information and available options).

EXTERNAL SPECIFICATIONS

The FORTEZZA series is constructed from .420" thick, heavy duty cast aluminum. The face plates are protected by high abuse clear polycarbonate, which is recessed into the housing. Tamper resistant screws are standard. The FORTEZZA series comes standard black, although color options are available upon request. Single, double or universal face plate configuration must be specified. The self powered version comes standard with an external LED status indicator and test switch.

INTERNAL SPECIFICATIONS

AC ONLY: STANDARD 120/277/347 VAC input.

SELF-POWERED: standard self powered versions use sealed Nickel-Cadmium batteries to provide a minimum of 90 minutes of emergency duration. Optional 120 minutes duration battery is available. Solid state charger, auto-test, and transfer are standard on self powered units.

INSTALLATION

The FORTEZZA series exit is supplied with a canopy and is suitable for surface ceiling, wall and end mount applications. Suitable for indoor, outdoor, damp or wet applications.

ORDERING INFORMATION

Series	Model	LED	Face No.	Mounting (canopy)	Standard	Options
FTZ	HT (AC only)	LR (red)	1 (single)	W (wall-no canopy)	AT (auto-test)	WW (white/white)
	SA (self-powered)	LG (green)	2 (double)	C (ceiling)		BB (black/black)
			U (universal)	E (end)		PK (pendant kit - specify length)
				U (universal)		FL (flashing alarm)
						BZ (audible alarm)
						SW (sp. wording-specify)
						IH (internal- heater 120V or 277V)
						IR (infrared remote test switch)
						120 SA (120 min. emergency)

FORTEZZA BUILDER

Series	Model	LED	Face No.	Mounting (canopy)	Options
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

EXAMPLE: FTZ-HT-LR1-W-BZ-AT-BZ

DESCRIPTION: FORTEZZA exit AC only, red LED, single face, wall mount, audible alarm, autotest

JOB:	TYPE:
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VANDAL RESISTANT DESIGN

The ultra heavy duty design and appearance of the FORTEZZA series exit warns potential vandals that this is no regular sign. The stencil is protected by a 1/8" thick, impact resistant polycarbonate shield that is recessed into the housing and fastened with 4 tamper resistant screws. The FORTEZZA offers a contemporary look and durability like no other.

MECHANICAL SPECIFICATIONS

The FORTEZZA series is constructed of extra heavy duty cast aluminum with a 1/8" thick polycarbonate protective shield. Tamper resistant screws are standard. Field adjustable chevrons are standard. The FORTEZZA is standard in an attractive matte black finish. Other colors are available, including custom color matching to meet the customer's needs. The polycarbonate face shield is recessed into the housing making the Fortezza series one of the most rigid, yet attractive high abuse signs on the market.

AUTOTEST DIAGNOSTIC

The self-powered FORTEZZA comes standard with Beghelli Autotest diagnostic system. Featuring continuous monitoring of the units main components (battery, charger, transformer, lamps & LED's) and providing instant visual verification of the status.

ELECTRICAL SPECIFICATIONS

The FORTEZZA series is configured with high output LED lamps. LED is standard with 120/277/347VDC input. All LED version consume < 5 watts nominal power.

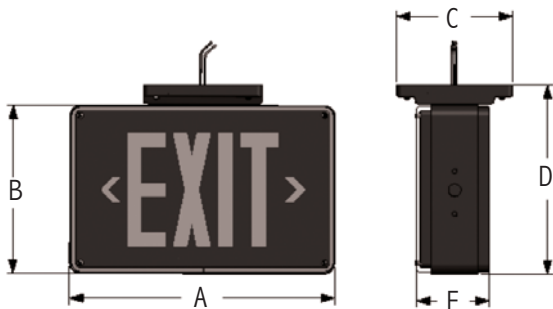
SELF-POWERED VERSIONS

The FORTEZZA-SA self powered series is designed to operate on battery power in the event of a regular/mains power failure. Both battery and charger are completely contained within the standard enclosure. The FORTEZZA-SA self-powered series utilize a solid state transformer technology that eliminates the possibility of relay failure due to particle build up on the relay. Status is easily determined via an LED that indicates AC-ON.

BATTERY TECHNOLOGY

The FORTEZZA-SA series is designed with a maintenance free, sealed Nickel-Cadmium battery providing a minimum emergency duration of 90 minutes. An optional 120 minutes Nickel-Cadmium battery is available. Recharge time of the battery is twenty-four (24) hours. The maximum battery operating temperature is +113°F and the minimum is +32°F without internal heater/thermostat option. The minimum operating temperature with internal heater/thermostat is -40°F/°C.

DIMENSIONS (in.)



Series	A"	B"	C"	D"	E"
FTZ	14"	9"	6.2"	10"	4"

WARRANTY

The FORTEZZA Series comes with a 5-year factory warranty. Deliberate damage, misuse, improper installation effectively cancel the warranty.





LAMP SELECTION

6V SEALED BEAM: (SB) **standard:** 9w, 18w, 25w
(SBH) halogen: 12w, 20w

INSTALLATION

The WLX series exit is suitable for surface ceiling, wall and end mounting. Suitable for wet / NEMA 4X location installations.

ORDERING INFORMATION

Series	Model	LED	Face No.	Mounting	Heads <small>(Combination only)</small>	Operation <small>(Combination only)</small>	Options
WLX	HT (AC only)	LR (red)	1 (single)	W (wall - no canopy)	0 (none)	6-27 (6V 27W)	AT (auto-test)
	SA (self-powered)	LG (green)	2 (double)	C (ceiling - factory installed)	1LR (one par36)	6-36 (6V 36W)	FL (visual alarm - specify volt)
				E (end - factory installed)	2LR (two par36)	6-54 (6V 54W)	BZ (audible alarm - specify volt)
							SW (special wording - specify)
							IH (internal heater - specify volt)
							2CK (dual-circuit)
							PK (pendant kit - specify length)
							120SA (120 min. emergency)
							FP (food prep lens)

Note: Operation must be specified only when optional emergency heads are being ordered. Lamp type should also be specified.

WLX BUILDER

Series	Model	LED	Face No.	Mounting	Heads	Operation	Options
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

EXAMPLE: WLX-SA-LR1-C-IH(120V)
DESCRIPTION: WLX wet location exit, self-powered, red LED, single face, ceiling mount, internal heater 120V.

JOB:	TYPE:
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PRODUCT OVERVIEW

The WLX series of exits are designed with the extremes of the environment in mind. The fully gasketed polycarbonate lens and fiberglass housing allows the WLX series to be installed in locations that require NEMA 4X protection.

Optional weather-proof Par36 emergency lighting heads can also be installed on this unit. The WLX series is available configured with high-output LED's in AC only and Self-Powered operation versions.

INTERNAL SPECIFICATIONS

AC ONLY: standard 120/277VAC input

SELF-POWERED: standard self-powered versions use sealed nickel-cadmium batteries to provide a minimum 90 minutes of emergency duration. Maintenance free sealed lead acid battery used when optional emergency heads are ordered. Optional 120 minute duration battery is available. Solid state charger and transfer.

EXTERNAL SPECIFICATIONS

The WLX series housing is constructed from durable, corrosion resistant fiberglass. The housing is fully gasketed for wet location applications and is supplied standard in a gray finish. Four (4) polycarbonate pressure screws firmly hold the polycarbonate lens in place. Wall, ceiling or end mounting configurations are available. Single or double face versions must be specified. Removable chevron arrows are standard on each unit. The self-powered version comes standard with an external LED status indicator and test switch.

MODEL RATING GUIDE

Model	Voltage	Wattage			
		90	120	180	240
WLX-SA-6-27	6	27	18	12	NA
WLX-SA-6-36	6	36	27	18	12
WLX-SA-6-54	6	54	36	27	18

self-powered for up to 120 minutes w/ optional battery for external loads.

ELECTRICAL SPECIFICATIONS

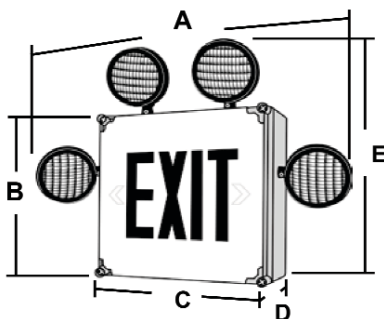
The WLX series is configured with high-output LED lamps. LED is standard with 120/277VAC input. All LED versions consume only 1.1W nominal power. Optional emergency illumination is provided by the LED light source at the following wattages:

- 6VDC - 0.5 Watts
- 12VDC - 1.5 Watts
- 24VDC - 3.5 Watts

CHARGER SPECIFICATIONS

The WLX series utilizes a solid state transfer technology that eliminates relay failure that can be caused by particle build up on the relay. All of the components used in the circuitry are temperature compensated. Status is easily determined via the LED display. A push button test switch allows maintenance personnel to quickly confirm the operational status of the exit on AC fail.

DIMENSIONS (in.)



Series	A"	B"	C"	D"	E"
WLX	24"	12"	12"	5"	18"

DOUBLE FACE DESIGN

Beghelli USA offers an innovative, compact designed double face version of the WLX.

MECHANICAL SPECIFICATIONS

The WLX series housing is constructed from durable, corrosion resistant fiberglass. The housing is fully gasketed for damp, wet and NEMA 4X locations with a hot-bonded silicone gasket. Exit face(s) are made from a high clarity, clear polycarbonate. Custom face colors and special wording / graphics are available, please specify. Field removable chevron arrows are standard on each face. Four (4) polycarbonate pressure screws firmly hold the face to the housing. Optional Par36 heads are constructed of high-impact, black thermoplastic that has been sealed against moisture infiltration.

EXTREME CLIMATE DESIGN

The WLX series has been designed to perform in applications where the climate would punish any standard sign. The entire internal cavity of the sign is protected from moisture invasion by an extremely resilient gasket. The gasketing is "hot-bonded" to the lens during the manufacturing process. This procedure eliminates any chance of the gasketing to become dry and pull away from the lens. The gasketing always holds its original form and has "memory retention" so that it effectively and consistently protects the WLX series from moisture. The WLX can also be equipped with an optional thermostatically controlled heater for cold environments. The fiberglass housing is highly corrosion resistant and will not rust or rot. The molded fiberglass finish cannot be scraped or scratched away exposing raw metals like standard steel signs.

BATTERY TECHNOLOGY

The WLX-SA-6-27, 6-36 and 6-54 are designed with an internal, maintenance free, valve regulated sealed lead-acid battery providing emergency lighting duration as per specified unit. The WLX-SA is designed with an internal maintenance free, sealed Nickel-Cadmium battery providing a minimum emergency duration of 90 minutes. An optional 120 minute Nickel-Cadmium battery is available. Recharge time of the battery is twenty-four (24) hours. The maximum battery operating temperature is 50° C.

WARRANTY

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





PRODUCT OVERVIEW

The EVR series of vandal resistant exits are designed to stand up to abuse in applications such as schools, public areas, institutions and apartment complexes where vandalism may potentially occur. The 14 gauge steel and polycarbonate faceplate offers extreme protection and superior performance. Tamper resistant screws insure the integrity of the unit. The heavy gauge steel construction of the EVR housing requires that directional chevron arrows must be specified when ordering. The EVR series is available configured with high-output LED's in AC only and self-powered operation versions.

INTERNAL SPECIFICATIONS

AC ONLY: standard 120/277VAC input

SELF-POWERED: standard self-powered versions use sealed nickel-cadmium batteries to provide a minimum 90 minutes of emergency duration. Optional 120 minute duration battery is available. Solid state charger and transfer.

EXTERNAL SPECIFICATIONS

The EVR series is constructed from heavy duty steel. Exit face(s) are 14 gauge steel backed with impact resistant polycarbonate. Tamper resistant screws are standard. The EVR series comes standard with a white baked powder coat finish. Available in custom epoxy-based powder coat finishes (please specify). Single, double or universal face versions must be specified. The self-powered version comes standard with an external LED status indicator and test switch.

INSTALLATION

The EVR series exit is suitable for surface ceiling, wall and end mounting. Suitable for indoor installations.

ORDERING INFORMATION

Series	Model	LED	Face No.	Mounting	Options
EVR	HT (AC only)	LR (red)	1 (single)	W (wall - no canopy)	AT (auto-test)
	SA (self-powered)	LG (green)	2 (double)	C (ceiling - factory installed)	FL (visual alarm - specify voltage)
				E (end - factory installed)	BZ (audible alarm - specify voltage)
					CC (custom color - specify)
					SW (special wording - specify)
					2CK (dual-circuit)
					PK12 (12" pendant kit)
					120SA (120 minute emergency)

EVR BUILDER

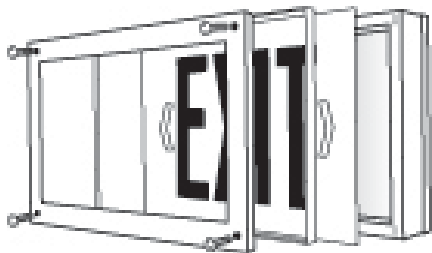
Series	Model	LED	Face No.	Mounting
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

EXAMPLE: EVR-HT-LR1-W-AT
 DESCRIPTION: EVR vandal exit, AC only, red LED, single face, wall mount, auto-test.

JOB:	TYPE:
------	-------

VANDAL RESISTANT DESIGN

The ultra heavy duty design and appearance of the EVR series exit warns potential vandals that this is no regular sign. The face plate is constructed of durable 14 gauge steel that wraps around the frame for added protection. The exit is further protected by 1/8" thick, impact resistant polycarbonate that is sandwiched between the steel face plate and the stencil fiber. The form fitting face plate is attached to the frame with four (4) tamper resistant stainless steel screws. The all steel exit frame has been folded along the face and back plate edges in order to provide superior strength and durability. The steel back plate is also attached with four (4) stainless steel screws. Unlike incandescent light sources, the LED technology used in the EVR series does not contain any delicate filaments or films that can lead to failure due to impact related damage. For ceiling and end mount applications the EVR series is supplied with an extra heavy duty canopy (factory installed) that provides superior mounting strength.

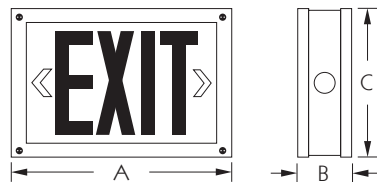


ELECTRICAL SPECIFICATIONS

The EVR series is configured with high-output LED lamps. LED is standard with 120/277VAC input. All LED versions consume only 1.1W nominal power. Optional emergency illumination is provided by the LED light source at the following wattages:

6VDC	-	0.5 Watts
12VDC	-	1.5 Watts
24VDC	-	3.5 Watts

DIMENSIONS (in.)



Series	A"	B"	C"
EVR	12.25"	3"	8.5"

MECHANICAL SPECIFICATIONS

The EVR series is constructed of extra heavy duty steel with a 14 gauge steel face plate. Tamper resistant screws are standard. Exit fiber(s) are covered with impact resistant polycarbonate. Due to the extreme gauge of steel, directional chevron arrows must be specified when ordering. The EVR series is supplied standard with an attractive and durable white, baked powder coat finish. Other colors are available, including custom color matching, please specify. The advanced design of the EVR leaves it with no extraneous holes or slots that could be utilized by vandals for gaining entry. The face plate securely holds the shield and fiber in place by wrapping around the exit frame, increasing the rigidity of the entire unit.

SELF-POWERED VERSIONS

The EVR-SA self-powered series is designed to operate on battery power in the event of a regular / mains power failure. Both the battery and charger are completely contained within the standard enclosure. There are no external components and no alterations made to the external dimensions of the standard sign. The EVR-SA self-powered series utilize a solid state transformer technology that eliminates the possibility of relay failure due to particle build up on the relay. Status is easily determined via an LED that indicates AC-ON. A push button test switch allows maintenance personnel to quickly confirm the operational status of the exit on AC fail.

BATTERY TECHNOLOGY

The EVR-SA series is designed with a maintenance free, sealed Nickel-Cadmium battery providing a minimum emergency duration of 90 minutes. An optional 120 minute Nickel-Cadmium battery is available. Recharge time of the battery is twenty-four (24) hours. The maximum battery operating temperature is 50° C.

WARRANTY

The EVR Series comes with a 5-year factory warranty. Deliberate damage, misuse, improper installation effectively cancel the warranty.



PRODUCT OVERVIEW

The TSL series of self-luminous exits are designed for easy installation. The use of internally sealed tritium gas as the illumination source reduces general maintenance issues and operational costs. The TSL series does not require electrical power, wiring or batteries. The TSL series is available in single or double face versions. Housings are available constructed from durable corrosion resistant thermoplastic or industrial grade aluminum, please specify when ordering. The TSL series is offered in 10 or 20 year versions.

INTERNAL SPECIFICATIONS

SELF-LUMINOUS: standard self-luminous versions are internally illuminated by maintenance free sealed tritium tubes. Tritium source illumination provides constant emergency illumination ranging from ten (10) to twenty (20) years.

EXTERNAL SPECIFICATIONS

The TSL series housing is available constructed from durable, corrosion resistant ABS thermoplastic or optional industrial grade aluminum. The TSL housing is supplied standard with a red on white stencil and white or black frame finish. Wall, ceiling or end mounting configurations are available. Single or double face versions must be specified. Removable field adjustable chevron arrows are standard on each unit.

INSTALLATION

The TSL series exit is suitable for surface ceiling, wall and end mounting. Suitable for wet, cold and hazardous location installations.

ORDERING INFORMATION

Series	Model	Duration	Face No.	Stencil	Frame	Mounting	Options
TSL	PT (plastic frame)	10 (ten years)	1 (single)	R (red)	W (white)	W (wall)	CC (custom color - specify)
	AT (aluminum frame)	20 (twenty years)	2 (double)	G (green)	B (black)	C (ceiling)	SW (special wording - specify)
	IN (institutional frame)					E (end)	PK (pendant kit - specify length)

TSL BUILDER

Series	Model	Duration	Face No.	Stencil	Frame	Mounting	Options
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

EXAMPLE: TSL-IN-10-1-RB-W
 DESCRIPTION: TSL self-luminous exit, institutional frame, 10 years, single, red stencil, black frame, wall mount.

JOB:	TYPE:
------	-------

UL924 Listed. Self Luminous. Cold Environment. Hazardous location. Wet Location.

PRACTICAL DESIGN

The TSL series has been designed to perform in just about any environment. Requiring no external power source, installation is effortless and efficient. The practical design of the TSL series allows installation and maintenance to be at a minimum. Since an external power source is not required, the installation of the TSL series is not restricted by location or the lack of an easily accessible power source.

EFFICIENT PERFORMANCE

The TSL series is a completely self-powered, illuminated exit sign requiring no external power source of any kind. Barring destruction of the unit, the TSL series self-luminous sign must be accounted for as being totally reliable during its predicted life. The TSL series exit sign is always "ON" requiring no wiring or electrical installation, and as a practical and environmental matter, consumes no power of any kind. The TSL series average life expectancy is 10 - 20 years.

LIGHT SPECIFICATIONS

The TSL series uses self-luminous tritium as a light source. Although this source emits light, it cannot be considered or measured in the same sense as incandescent (point) sources, where light is emitted evenly from an area rather than a point surface. The conventional unit of measurement is the microlambert. For convenience, the following definitions are provided:

Lambert = The unit of brightness equal to 1/candles/cm

Foot Lambert = The unit of brightness equal to 1/candles/ft = approximately 1000 microlamberts

(the conversion factor is microlamberts = 1076 x foot lamberts, and foot lamberts = microlamberts /1076).

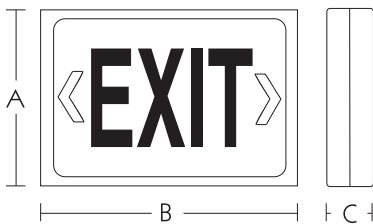
MECHANICAL SPECIFICATIONS

The TSL series is manufactured under stringent quality control procedures and meet all requirements of the Atomic Energy Control Board (AECB) and the Federal Nuclear Regulatory Commission. Illumination is achieved by using a permanent internal light source. Tritium emits relatively low energy beta particles that bombard the phosphorus coated glass tubes, this action generates light. Light emitting phosphors are designed and selected according to their color and light production efficiency. The TSL series features several glass envelopes (tubes) that are encased behind plastic housing light diffusers. To reduce chances of breakage, the TSL series features tritium tube shockproof mountings made of PVC.

PRODUCT REGISTRATION

The TSL series requires that the manufacturer register the actual installation location of every self-luminous tritium exit sold. When ordering the TSL series, Beghelli USA will require that included on the purchase order is the end users address, phone number and contact name. Beghelli USA will then register the installation with the Federal Nuclear Regulatory Commission as per required by law.

DIMENSIONS (in.)



Series	A"	B"	C"
TSL	8"	12"	1.8"

WARRANTY

The TSL Series comes with a 10 to 20 year factory warranty. Deliberate damage, misuse, improper installation effectively cancel the warranty.





PRODUCT OVERVIEW

Unparalleled in reliability, the DLX series utilizes photoluminescent technology which absorbs and stores ambient light. In the event of a power failure, or a smoky environment, the DLX is a clearly recognizable egress sign. Since there is no electricity required, the DLX is a safer signage solution, which saves on maintenance and energy costs. The DLX is NON-TOXIC and NON-RADIOACTIVE which eliminates disposal fees.

EXTERNAL SPECIFICATIONS

The DLX series is constructed of durable .035 steel with integrated, high grade photo luminescent panel, or photoluminescent panel only with silk screened font. The steel housing is available in black (standard), white, green, and safety red. Silk screened lettering is available in both red and green.

INSTALLATION

Surface ceiling, wall or end mount applications

FEATURES

- Consumes no electricity
- 100% reliable, no internal parts to brownout
- Non-toxic, non-radioactive
- Low-cost, easy installation
- Configured for universal mounting
- Low profile
- Can be used for high and/or low level installations
- Field adjustable chevrons
- 25+ years life expectancy
- UL924 listed, meets NFPA Life Safety Code 101 & OSHA requirements
- Meets current building codes: IBC, ICBO, BOCA, & SBCCI, NFPA5000
- Ideal for wet, cold or hazardous locations
- Visible at 50' during a blackout condition

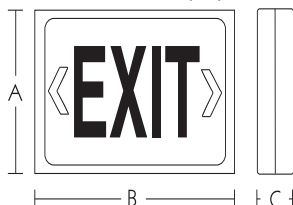
ORDERING INFORMATION

Series	Model	Duration	Face No.	Stencil	Frame	Mounting	Options
DLX	P1 (plastic frame)	10 (ten years)	1 (single)	R (red)	W (white)	W (wall)	CC (custom color - specify)
	AT (aluminum frame)	20 (twenty years)	2 (double)	G (green)	B (black)	C (ceiling)	SW (special wording - specify)
						E (end)	PK (pendant kit - specify length)

TSL BUILDER

Series	Model	Duration	Face No.	Stencil	Frame	Mounting	Options
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

DIMENSIONS (in.)



Series	A"	B"	C" (thickness)
DLX	15.25"	8.25"	.25"

EXAMPLE: TSL-IN-10-1-RB-W

DESCRIPTION: TSL self-luminous exit, institutional frame, 10 years, single, red stencil, black frame, wall mount.

JOB: TYPE:

Remotes, Power Packs & Inverters





Remote Series

Page

Single, double & triple head remotes

113



Luce Series

500 - 3000 lumen emergency ballasts

Page

Technical Data

117



Forza Inverter Series

Page

Technical Data

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Remotes



SRP - PAR18 Small Style Emergency Remote

The SRP series of remotes are constructed of high impact thermoplastic and feature an innovative rotary locking collar design that securely locks the lens and reflector assembly into place. The locking collar allows maintenance personnel to quickly and easily complete relamping. A mechanically adjustable swivel locks the head in position once adjusted. The matching canopy fits nearly all standard electrical junction boxes. The SRP series is supplied standard in a white color, black color is optional.

LAMP SELECTION

See page 127 for complete lamp selection.

NOTE: Sealed beam lamp type available only in LRP (Par36) style.

ORDERING INFORMATION

Series	Head #	Voltage/Wattage	Options
SRP	1 (single head)	See lamp selection	LC (less canopy)
	2 (double head)		B (black housing)
	3 (triple head)		

SRP BUILDER

Series	Head #	Voltage/Wattage	Options
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>



LRP - PAR36 Large Style Emergency Remote

The LRP series of remotes are constructed of high impact thermoplastic and feature an innovative rotary locking collar design that securely locks the lens and reflector assembly into place. The locking collar allows maintenance personnel to quickly and easily complete relamping. A mechanically adjustable swivel locks the head in position once adjusted. The matching canopy fits nearly all standard electrical junction boxes. The LRP is supplied standard in a white color, black color is optional.

ORDERING INFORMATION

Series	Head #	Voltage/Wattage	Options
LRP	1 (single head)	See lamp selection	LC (less canopy)
	2 (double head)		WP (weather proof)
	3 (triple head)		TC (teflon coated lens)
			B (black housing)

LAMP SELECTION

See page 127 for complete lamp selection

NOTE: Sealed beam lamp type available only in LRP (Par36) style.

SRP BUILDER

Series	Head #	Voltage/Wattage	Options
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

JOB: TYPE:

ETL Listed.



See lamp chart for more options.

BLT - MR16 Emergency Remote

The BLT series of emergency remote offers a contemporary design with a look that is not only architecturally pleasing, but also suits today's retro industrial designs. The BLT uses MR16 technology that is designed for premium light output. The BLT series is constructed of high grade steel with an attractive white, durable, powder coat finish as standard, and is available in single or double head configurations. Other colors are available, including color matching, please specify. The BLT is fully adjustable and the matching custom canopy fits nearly all standard electrical junction boxes.

ORDERING INFORMATION

Series	Head #	Voltage/Wattage	Options
BLT	1 (single head)	See lamp selection	LC (less canopy)
	2 (double head)		CC (custom color)

SRA BUILDER

Series	Head #	Voltage/Wattage	Options
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

SRA - PAR36 Aluminum Emergency Remote

The SRA series of spun aluminum remotes are supplied standard in an attractive brushed aluminum finish with a black thermoplastic canopy. Custom colors available, please specify. The SRA series is ideal for industrial environments and installations where the fixture will be exposed to constant excessive temperatures or UV exposure.

LAMP SELECTION: (No sealed beam - only in LR PAR36 style heads)

See page 127.



ORDERING INFORMATION

Series	Head #	Voltage/Wattage	Options
SRA	1 (single head)	See lamp selection	LC (less canopy)
	2 (double head)		CC (custom color)
	3 (triple head)		TC (teflon coated lens)

SRA BUILDER

Series	Head #	Voltage/Wattage	Options
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

JOB:	TYPE:
------	-------



See lamp chart for more options.

NFR - Weather Proof Emergency Remote

The NFR series of NEMA 4X weather proof remotes are constructed of durable polycarbonate and designed to perform in harsh environments. The NFR series is fully gasketed and designed with several surface conduit knockout points.

LAMP SELECTION:

See page 127.

ORDERING INFORMATION

Series	Head #	Voltage/Wattage
NFR	1 (single head)	See lamp selection
	2 (double head)	

NFR BUILDER

Series	Head #	Voltage/Wattage
<input type="text"/>	<input type="text"/>	<input type="text"/>



See lamp chart for more options.

SRV - Vandal Resistant Emergency Remote

The SRV series of remotes are constructed of high impact lexan that fully encloses and protects the lamp and reflector assembly from tampering or damage. The SRV series of remotes are ideally suited for high abuse areas.

LAMP SELECTION:

See page 127.

ORDERING INFORMATION

Series	Head #	Voltage/Wattage
SRV	1 (single head)	See lamp selection
	2 (double head)	

SRV BUILDER

Series	Head #	Voltage/Wattage
<input type="text"/>	<input type="text"/>	<input type="text"/>

JOB:	TYPE:
-------------	--------------

ETL Listed.



SRE - PAR36 Recessed Emergency Remote

The SRE series of remotes are designed to be recess mounted into ceilings; providing a clean, unobtrusive lighting solution. A surface mounted version, complete with a steel mounting box is also available. The gimbal mounting allows the lamp aiming to be adjusted in any direction. The SRE is supplied standard in a white finish. Custom color finishes are available, please specify.

LAMP SELECTION:

See page 127.



ORDERING INFORMATION

Series	Mount	Voltage/Wattage	Options
SRE	R (recessed)	See lamp selection	CC (custom color)
	S (surface)		TC (teflon coated lens)

SRE BUILDER

Series	Mount	Voltage/Wattage	Options
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>



RMR - MR16 Recessed Emergency Remote

The RMR series of remotes feature MR16 lamp technology that are designed for superior light output. The compact, recessed design has a modern look that blends perfectly in today's retail and commercial environments. The steel gimbal lamp mounting assembly and trim plate makes lamp positioning quick and easy. The RMR is supplied standard in white finish.

LAMP SELECTION:

	<u>6 VOLT</u>	<u>12 VOLT</u>	<u>24 VOLT</u>
MR16:	5, 6, 10 W	10, 12, 20, 35, 50, 70 W	20, 50 W
			LED

ORDERING INFORMATION

Series	Voltage/Wattage
RMR	See lamp selection

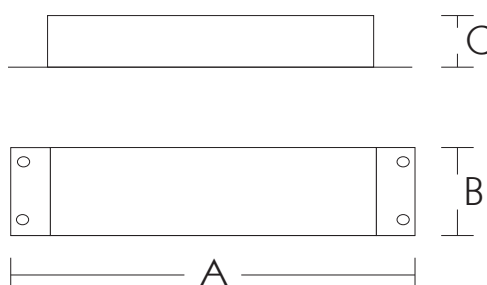


See lamp chart for more Options.

RMR BUILDER

Series	Voltage/Wattage
<input type="text"/>	<input type="text"/>

LUCE Ballast



LUCE - Emergency ballast

The LUCE series of emergency ballasts are designed to provide emergency illumination capability to existing or new fluorescent fixtures. LUCE series products consist of an internal nickel cadmium battery, charger and electronic circuit. A durable steel housing contains all components of the LUCE series. The LUCE series is available from 500 - 3000 lumens. The LUCE series is available for indoor, cold temperature, and damp location installations. Please consult Beghelli USA Customer Service for accurate installation specifications when ordering.

DIMENSIONS

Series	A	B	C
LUCE-1	9.4"	2.4"	1.5"
LUCE-2	9.4"	2.4"	1.5"
LUCE-3	13.3"	2.4"	1.5"
LUCE-4	16.3"	5.5"	1.7"
LUCE-5	9.5"	2.375"	1.5"
LUCE-6	9.5"	2.375"	1.5"
LUCE-7	9.5"	2.375"	1.5"
LUCE-8	17.5"	1.18"	1.15"
LUCE-9	21"	1.18"	1.15"

OPTIONS

Ballast Covers	- BC (contact Factory)
Flex Conduit	- FX (Please specify length)
Auto-test diagnostics	- AT-LUCE-3, LUCE-4, LUCE-7

Model	Lumens	# Lamps	Description
LUCE-1	500	1 (one lamp)	2' - 4' single, bi-pin T8 - T12 linear fluorescent
LUCE-2	700	1 (one lamp)	2' - 8' single, bi-pin T8 - T12 linear fluorescent
		2 (two lamps)	2' - 4' double, bi-pin T8 - T12 linear fluorescent
LUCE-3	1400	1 (one lamp)	2' - 8' single, bi-pin T8 - T12 linear fluorescent
		2 (two lamps)	2' - 4' double, bi-pin T8 - T12 linear fluorescent
LUCE-4	3000	1 (one lamp)	2' - 8' single, bi-pin T8 - T12 linear fluorescent
		2 (two lamps)	2' - 4' double, bi-pin T8 - T12 linear fluorescent
LUCE-5	650	1 (one lamp)	7, 9, 12W twin tube, 2 pin compact fluorescent
		2 (two lamps)	9 - 13W quad tube, 2 pin compact fluorescent
LUCE-6	650	1 (one lamp)	18 - 26W quad tube, 2 pin compact fluorescent
LUCE-7	650	1 (one lamp)	10 - 42W 4 pin rapid start compact fluorescent
LUCE-8	825	1 (one lamp)	2' - 4' T5 - T5HO linear, 40-55W 4pin PL
LUCE-9	1300	1 (one lamp)	2' - 4' T5 - T5HO linear, 40-55W 4pin PL

EXAMPLE: LUCE-3
DESCRIPTION: LUCE emergency ballast, 1400 lumens.

INSTALLATION

The LUCE series is suitable for new build and retrofit installations. Indoor, cold temperature and damp location models are available to be configured for installation on normally inflammable surfaces.

WARRANTY

The LUCE Series comes with a 5-year factory warranty. Deliberate damage, misuse, improper installation effectively cancel the warranty.

LUCE PLUS

If you are unable to locate the specific LUCE model to meet your requirements; please contact Beghelli USA Customer Service at 1-800-723-4316. Additional LUCE series products are available upon request. Proper specifications are required.

FORZA-1

PRODUCT OVERVIEW

The FORZA1 series is a compact, modular emergency lighting inverter designed to supply emergency back-up for HID fixtures, quartz restrike, fluorescent, incandescent, and low voltage Life Safety products. The FORZA1 is suitable for outdoor emergency egress lighting, medium size offices, and warehouses. The modular design and low MTTR ensure easy maintenance and field upgradeability.

STANDARD FEATURES

- PWM/MOSFET Inverter Technology for high efficiency and low THD
- UL924 listed and meets or exceeds the requirements of OSHA for emergency lighting and power. NFPA70, NFPA101, NFPA110, UBC, and SBCCI and New York City approved
- 97% efficient in standby mode means no fan for cooling
- Compatible with HID, fluorescent, incandescent, and electronic low voltage lighting
- Maintenance-free, sealed lead calcium valve regulated lead acid batteries
- Field upgradeable from 500VA to 2000VA by additional battery modules
- Microprocessor controlled, 2x20 character display with touch pad controls front panel interface
- Programmable set points are password controlled with user and service levels.

MECHANICAL SPECIFICATIONS

- Small footprint. Each unit measures 26"Wx10"Hx10"D
- Floor or wall mountable
- 16AWG steel constructed with powder coat surface
- Modular design allows separation of inverter and battery modules
- Electric knockouts for easy installation
- Breaker and Fuse access panel for easy routine maintenance

STANDARD ALARMS

- | | |
|--------------------|---------------------|
| - Output | - Inverter |
| - Charger | - Low Battery |
| - High Temp | - Load Reduction |
| - Overload | - Overload Shutdown |
| - Near Low Battery | - Low Voltage |
| - High Voltage | |

OPTIONS

- Circuit Breaker Trip Alarm
- Normal Off Output
- RS-232
- Summary Alarm Dry Contact
- Extended Runtime
- Remote Meter Panel
- Remote Summary Alarm Panel
- Multiple Voltages

*Additional enclosures may be required when ordering certain options.

DIAGNOSTIC FEATURES

- User programmable with password protection for alarms and diagnostics
- Self testing and diagnostic with event, test and alarm logs
- Standard Logs: Alarm log (75), Event log (75), Test log (50)

ELECTRICAL SPECIFICATIONS

Rating: 500-2000VA

Input: 120 or 277VAC, 2 wire plus ground, +10/-15%
60Hz, +/-3 Hz
1 Hz per second
Input circuit breaker

Output: 120 or 277VAC, 2 wire plus ground
2.8 = peak/rms current crest factor
<3% THD for linear load
60Hz +/- 25% load step change voltage regulation
Output circuit breaker

Battery: Sealed Lead Calcium VRLA
Battery circuit breaker protection
String voltage-48VDC for all models

Environmental: <10,000 feet without derating
20 to 30 degrees Celsius
-20 to 70 degrees Celsius (electronics only)
<95% (non-condensing)

Physical: Electronic Enclosure Dimensions=26"Wx10"Hx10"D
Weight=77LBS (35kg)
Battery Enclosure Dimensions=26"Wx10"Hx10"D
Weight=22LBS (10kg) per module w/o batteries

FORZA-2

PRODUCT OVERVIEW

The FORZA2 is a central inverter system designed to supply emergency back-up for HID fixtures, with quartz restrike, fluorescent, incandescent and low voltage Life Safety Products. It will support these loads at cold starts for all normally off circuits or regular normally on circuits. With self-diagnostics and over 120 parameters stored for test, event, and data logs, you are assured all NFPA codes are met. The FORZA2 is also designed to function with the latest T5 & T5HO electronic ballasts. The FORZA2 eliminates unit equipment in architecturally sensitive applications and reduces maintenance costs of individual testing. All tests and diagnostics are performed and recorded automatically.

STANDARD FEATURES

- Less than 15 minute MTTR.
- Pure PWM sine wave, less than 3% THD with 0.5 lead and 0.5 lag load capabilities. Microprocessor and crystal controlled.
- UL924 listed and meets or exceeds the requirements of OSHA for emergency lighting and power. NFPA70, NFPA101, NFPA110, UBC, and SBCCI and New York City approved.
- Compatible with HID, fluorescent, incandescent, and electronic low voltage lighting.
- Maintenance-free, sealed lead calcium valve regulated lead acid batteries.
- Selective models are upgradeable. Upgrades must be performed and programmed by authorized factory personnel.
- Self-testing per NFPA & UL standards. Memory logs of over 120 parameters contained in test, event and fault logs.
- Bonded fin heat sink for maximum thermal performance. Fan energized during inverter mode increases reliability and reduces preventative maintenance. No air filters required.

MECHANICAL SPECIFICATIONS

- System module is housed in a freestanding NEMA 1 enclosure.
- Small footprint (electronics) - up to 4.8kVA 25"(depth) x 30" (width). Dimensions will vary depending on configurations required.
- 14AWG steel constructed with powder coat surface.
- Hinged doors with security locks for easy maintenance.
- Standard battery cabinets are designed to allow stacking to minimize the overall footprint.
- Front access only shall be required for installation, adjustments and expedient servicing
- Maintenance Bypass permits maintenance personnel to easily bypass the inverter and connect to AC power, allowing routine maintenance.

SYSTEM DISPLAY FUNCTIONS

Meter Functions	Program Functions	Control Functions
AC Voltage Input	Set Date	Test & Event Log (75 logs)
AC Voltage Output	Set Time	Date, Time, Duration
AC Current Output	Set Month Test Date/Set Month Test Time	Output Volt/Current
Battery Voltage	Set Yearly Test Date/Set Yearly Test Time	Ambient Temp
Battery Current	Set Load Fault Reduction Setting	Alarm Log (50 logs)
VA Output	Set Low Battery Alarm	Buzzer On/Off
Inverter Watts	Set Near Low Battery Alarm	
Ambient Temperature	Set Low AC Voltage Alarm	
System Days	Set High AC Voltage Alarm	
Inverter Minutes	Set Ambient Temperature Alarm	

MAINTENANCE CONTRACTS:

A complete offering of preventive and full-service maintenance contracts for both the inverter system and batteries shall be available. An extended warranty and preventive maintenance package shall be available. Factory-trained service personnel shall perform warranty and preventive maintenance service. A five-year maintenance contract option will include a unit start-up and site training.

FORZA-2

SYSTEM OPTIONS

Output Circuit Breaker: Maximum output breakers available is 12 unsupervised (1-pole), 8 supervised (1-pole).

Output Trip Alarm: An audible and visual alarm activates when an output distribution circuit breaker is open or has tripped.

Fast Charge: This is a battery charger upgrade which decreases the time to recharge a fully discharged battery bank to a full charge. The recharge time is decreased from the standard 24hr period to a 12hr period.

Summary Form C Contacts: Form "C" contacts rated at 5 amps maximum at 250VAC/30VDC. Dry contacts will change state when any system alarm activates. Contacts change states with the following alarms: High/low battery charger fault, near low battery, low battery, load reduction fault, output overload, high/low AC input volts, high ambient temperature, inverter fault, and with optional output trip alarm.

Auto-Dialer: Automatically dials up to 4 user-programmable phone numbers upon any alarm conditions. Capable of leaving a user-programmable digital or audible message. A dedicated phone line is required.

BATTERY OPTIONS

S-Battery (Sealed Lead-Calcium) (Standard): A maintenance-free, valve regulated lead calcium battery. Constructed with a rugged polypropylene case. No special room ventilation required. 10-year designed life expectancy.

G-Battery (Sealed Lead-Calcium): A maintenance-free, long life, valve regulated lead calcium battery. Constructed with a polypropylene jar, which is installed in a modular steel tray to create its own enclosure. Does not require any special room ventilation. 20-year designed life expectancy.

N-Battery (Nickel-Cadmium): A minimum maintenance wet cell requiring addition of distilled water periodically. This battery type provides a wider operating range. Constructed with a translucent, heavy-duty polypropylene case. This case is marked with a high/low line to check electrolyte level. 25-year designed life expectancy.

ELECTRICAL SPECIFICATIONS

INPUT: Voltage - 120 or 277VAC 1-phase 2-wire +10% - 15%. Contact factory for all other voltages.

Input Power Walk-in - Limiting inrush current to less than 125%. 10 times for 1 line cycle.

Input Frequency - 60Hz, +/- 3%, 50Hz available upon request.

Synchronizing Slew Rate - 1Hz per second nominal.

Protection - Input Circuit Breaker.

Harmonic Distortion - <10%.

Power Factor - 0.5 lag/lead.

OUTPUT: Voltage - 120 or 277VAC 1-phase 2-wire. Contact factory for all other voltages.

Static Voltage - Load current change +/-2%, battery discharge +/-12.5%.

Dynamic Voltage - +/-2% for +/-25% load step change, +/-3% for a 50% load step change, recovery within 3 cycles.

Harmonic Distortion - <3% THD for linear load.

Output Frequency - 60Hz +/- 0.05Hz during emergency mode.

Load Power Factor - 0.5 lag to 0.5 load.

Inverter Overload -125% for 5 minutes.

Protection - Output Circuit Breakers (optional).

BATTERY: Type - Valve-regulated sealed lead-calcium.

Charger - Microprocessor controlled for various battery types and temperature compensating (recharge per UL924 spec).

Protection - Automatic low-battery disconnect, automatic restart upon utility return.

Disconnect - Fuse

Optional Runtimes - Extended runtimes available. See product selection guide.

*Battery module may be contained in external cabinet(s) depending on the system VA required.

CHARGER: The temp compensated battery charger supplies constant voltage & constant current to batteries.

- Charges batteries within 24hrs maximum with constant trickle charge to maintain batteries at maximum level.
- Provided with an AC input current limiting circuit whereby the maximum input current shall not exceed 125% of full output rating.
- Upon restoration of AC power, the system will automatically restart, performing the normal central system start up.
- Charger shall have an output filter to minimize AC ripple voltage into the battery. Ripple will not exceed 2% RMS.
- Charger is equipped with a DC over voltage protection circuit so that if the DC voltage rises above the pre-set limit, the charger is to shut down automatically and initiate an alarm condition.

ENVIRONMENTAL: Altitude - <10,000 feet (above sea level) without de-rating.

Operating Temperature - System operates safely from 0° to 40°C (32° to 104°F) up to 95% humidity. UL rating, 20° to 30°C (68° to 86°F), includes battery performance which can be affected by temperature.

Contact factory for details

Storage Temperature - (- 20° to 70°C electronics only).

Relative Humidity - <95% (non-condensing).

GENERAL: Design - Stand-by no break. PWM inverter type utilizing IGBT technology with 2Ms transfer time

Generator Input - Compatible with generators.

Control Panel - Microprocessor controlled 2x20 character display with touch pad controls & functions, 5 LED indicators & alarm.

Metering - Input & Output Voltage, Battery & Output Current, Output VA, Temperature, Inverter Wattage.

Alarms - High/Low Battery Charger Fault, Near Low Battery, Low Battery, Load Reduction Fault, Output Overload, High/Low AC Input Volts, High Ambient Temperature, Inverter Fault, Output Fault, Optional Circuit Breaker Trip.

Communications - RS-232 port (DB9) Programmable monthly and yearly testing (meets NFPA 101, Life Safety Code requirements).

Manual Maintenance Bypass - Optional internal or optional external without internal distribution breakers.

Alarm Contacts - Optional Summary Form "C" contacts.

Warranty - 1 year standard warranty includes all parts, labor, & travel expenses within 48 contiguous states. 10 years prorated warranty on batteries. Extended warranties, preventative maintenance and customized service plans are available.

Factory Start-Up - Purchase factory start-up & receive 1 additional year of electronics warranty.

5 Year Maintenance Plan - Purchase 5 year maintenance plan & receive free factory start-up.

5 Year Electronic Warranty - Purchase 5 year electronic warranty & receive free factory start-up.

PHYSICAL: Cabinet - Free-standing NEMA 1.

Cooling - Forced air, during emergency mode. Convection cooled during normal operation. No filters required.

Cable Entry - Top and side.

Access - Front only.

FORZA-3

PRODUCT OVERVIEW

The FORZA3 is a central inverter system designed to supply emergency back-up for HID fixtures, with quartz restrike, fluorescent, incandescent and low voltage Life Safety Products. It will support these loads at cold starts for all normally off circuits or regular normally on circuits. With self-diagnostics and over 120 parameters stored for test, event, and data logs, you are assured all NFPA codes are met. The FORZA3 is also designed to function with the latest T5 & T5HO electronic ballasts. The FORZA3 eliminates unit equipment in architecturally sensitive applications and reduces maintenance costs of individual testing. All tests and diagnostics are performed and recorded automatically.

STANDARD FEATURES

- Less than 15 minute MTTR.
- Pure PWM sine wave, less than 3% THD with 0.5 lead and 0.5 lag load capabilities. Microprocessor and crystal controlled.
- UL924 listed and meets or exceeds the requirements of OSHA for emergency lighting and power. NFPA70, NFPA101, NFPA110, UBC, and SBCCI and New York City approved.
- Compatible with HID, fluorescent, incandescent, and electronic low voltage lighting.
- Maintenance-free, sealed lead calcium valve regulated lead acid batteries.
- Selective models are upgradeable. Upgrades must be performed and programmed by authorized factory personnel.
- Self-testing per NFPA & UL standards. Memory logs of over 120 parameters contained in test, event and fault logs.
- Bonded fin heat sink for maximum thermal performance. Fan energized during inverter mode increases reliability and reduces preventative maintenance. No air filters required.

MECHANICAL SPECIFICATIONS

- System module is housed in a freestanding NEMA 1 enclosure.
- Small footprint (electronics) - 4.8kVA-16.7kVA:25" (depth) x 30" (width) 24kVA-50kVA: 31" (depth) x 44" (width).
- 14AWG steel constructed with powder coat surface.
- Hinged doors with security locks for easy maintenance.
- Battery cabinets are designed to allow stacking to minimize the overall footprint.
- Front access only shall be required for installation, adjustments and expedient servicing.
- All components shall have a modular design and quick disconnect means to facilitate field service.
- Maintenance Bypass permits maintenance personnel to easily bypass the inverter and connect to AC power, allowing routine maintenance.

SYSTEM DISPLAY FUNCTIONS

Meter Functions

AC Voltage Input
 AC Voltage Output
 AC Current Output
 Battery Voltage
 Battery Current
 VA Output
 Inverter Watts
 Ambient Temperature
 System Days
 Inverter Minutes

Program Functions

Set Date
 Set Time
 Set Month Test Date/Set Month Test Time
 Set Yearly Test Date/Set Yearly Test Time
 Set Load Fault Reduction Setting
 Set Low Battery Alarm
 Set Near Low Battery Alarm
 Set Low AC Voltage Alarm
 Set High AC Voltage Alarm
 Set Ambient Temperature Alarm

Control Functions

Test & Event Log (75 logs)
 Date, Time, Duration
 Output Volt/Current
 Ambient Temp
 Alarm Log (50 logs)
 Buzzer On/Off

SYSTEM OPTIONS

Output Circuit Breaker: Maximum output breakers available: 4.8k up to 16.7k systems - 12 unsupervised (1-pole), 9 supervised (1-pole). 24k up to 50k systems - 24 unsupervised (1-pole), 16 supervised (1-pole). Combinations of 1, 2 and 3 pole breakers available (consult factory).

Output Trip Alarm: An audible and visual alarm activates when an output distribution circuit breaker is open or has tripped.

Fast Charge: This is a battery charger upgrade which decreases the time to recharge a fully discharged battery bank to a full charge. The recharge time is decreased from the standard 24hr period to a 12hr period.

Summary Form C Contacts: Form "C" contacts rated at 5 amps maximum at 250VAC/30VDC. Dry contacts will change state when any system alarm activates. Contacts change states with the following alarms: High/low battery charger fault, near low battery, low battery, load reduction fault, output overload, high/low AC input volts, high ambient temperature, inverter fault, and with optional output trip alarm.

Auto-Dialer: Automatically dials up to 4 user-programmable phone numbers upon any alarm conditions. Capable of leaving a user-programmable digital or audible message. A dedicated phone line is required.

BATTERY OPTIONS

S-Battery (Sealed Lead-Calcium) (Standard): A maintenance-free, valve regulated lead calcium battery. Constructed with a rugged polypropylene case. No special room ventilation required. 10-year designed life expectancy.

G-Battery (Sealed Lead-Calcium): A maintenance-free, long life, valve regulated lead calcium battery. Constructed with a polypropylene jar, which is installed in a modular steel tray to create its own enclosure. Does not require any special room ventilation. 20-year designed life expectancy.

N-Battery (Nickel-Cadmium): A minimum maintenance wet cell requiring addition of distilled water periodically. This battery type provides a wider operating range. Constructed with a translucent, heavy-duty polypropylene case. This case is marked with a high/low line to check electrolyte level. 25-year designed life expectancy.

ELECTRICAL SPECIFICATIONS

INPUT: Voltage - 120/208 or 277/480VAC 3-phase 4-wire +10%-15% (Wye configuration).

Input Power Walk-in - Limiting inrush current to less than 125%. 10 times for 1 line cycle.

Input Frequency - 60Hz, +/- 3%.

Synchronizing Slew Rate - 1Hz per second nominal.

Protection - Input Circuit Breaker.

Harmonic Distortion - <10%.

Power Factor - 0.5 lag/lead.

OUTPUT: Voltage - 120/208 or 277/480VAC 3-phase 4 wire. (Wye or Delta configuration).

Static Voltage - Load current change +/-4%, battery discharge +/-4%.

Dynamic Voltage - +/-3% for +/-25% load step change, +/-6% for a 50% load step change, recovery within 3 cycles.

Harmonic Distortion - <3% THD for linear load.

Output Frequency - 60Hz +/- 0.05Hz during emergency mode.

Load Power Factor - 0.5 lag to 0.5 load.

Inverter Overload - 115% for 5 minutes, 125% for 12 line cycles.

Protection - Output Circuit Breaker (optional).

BATTERY: Type - Valve-regulated sealed lead-calcium..

Charger - Microprocessor controlled for various battery types and temperature compensating (recharge per UL924 spec).

Protection - Automatic low-battery disconnect, automatic restart upon utility return.

Disconnect - Fuse (4.8 - 16.7kVA) and fuse/circuit breaker 24kVA and above.

Optional Runtimes - Extended runtimes available.

*Battery module may be contained in external cabinet(s) depending on the system VA required.

FORZA-3

CHARGER: The temp compensated battery charger supplies constant voltage & constant current to batteries.

- Charges batteries within 24hrs maximum with constant trickle charge to maintain batteries at maximum level.
- Provided with an AC input current limiting circuit whereby the maximum input current shall not exceed 125% of full output rating.
- Upon restoration of AC power, the system will automatically restart, performing the normal central system start up.
- Charger shall have an output filter to minimize AC ripple voltage into the battery. Ripple will not exceed 2% RMS.
- Charger is equipped with a DC over voltage protection circuit so that if the DC voltage rises above the pre-set limit, the charger is to shut down automatically and initiate an alarm condition.

ENVIRONMENTAL: **Altitude** - <10,000 feet (above sea level) without de-rating.

Operating Temperature - 20° to 30°C.

Storage Temperature - (- 20° to 70°C electronics only).

Relative Humidity - <95% (non-condensing).

GENERAL: **Design** - Stand-by UPS, PWM inverter type utilizing IGBT technology with 2Ms transfer time.

Generator Input - Compatible with generators.

Control Panel - Microprocessor controlled 2x20 character display with touch pad controls & functions, 5 LED indicators & alarm.

Metering - Input & Output Voltage, Battery & Output Current, Output VA, Temperature, Inverter Wattage.

Alarms - High/Low Battery Charger Fault, Near Low Battery, Low Battery, Load Reduction Fault, Output Overload, High/Low AC Input Volts, High Ambient Temperature, Inverter Fault, Output Fault, Optional Circuit Breaker Trip.

Communications - RS-232 port (DB9) Programmable monthly and yearly testing (meets NFPA 101, Life Safety Code requirements).

Manual Maintenance Bypass - Standard (Internal).

Alarm Contacts - Optional Summary Form "C" contacts.

Warranty - 1 year standard warranty includes all parts, labor, & travel expenses within 48 contiguous states. 10 years pro-rated warranty on batteries. Extended warranties, preventative maintenance and customized service plans are available.

Factory Start-Up - Purchase factory start-up & receive 1 additional year of electronics warranty.

5 Year Maintenance Plan - Purchase 5 year maintenance plan & receive free factory start-up.

5 Year Electronic Warranty - Purchase 5 year electronic warranty & receive free factory start-up.

PHYSICAL: **Cabinet** - Free-standing NEMA 1.

Cooling - Forced air, during emergency mode. Convection cooled during normal operation. No filters required.

Cable Entry - Top and side on 4.8kVA - 16.7kVA; side only on 24kVA - 50kVA.

Access - Front only.

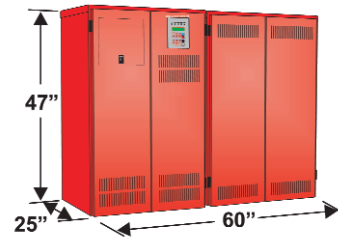
Dimensions

STANDARD SYSTEM CONFIGURATIONS FOR 90 MINUTE BATTERIES

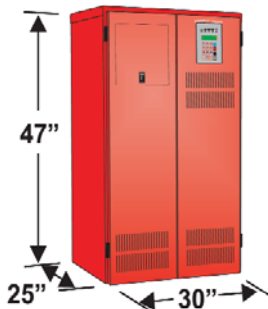
Series	Model Size	System Dimensions (standard)	Qty	Total System Weight (LBS)
FORZA-1	500W/VA	26"W x 10"H x 10"D	1	206
	1000W/VA	26"W x 10"H x 10"D	2	335
	1500W/VA	26"W x 10"H x 10"D	3	464
	2000W/VA	26"W x 10"H x 10"D	4	592
FORZA-2	1500W/VA	30"W x 47"H x 25"D	1	511
	2250W/VA	30"W x 47"H x 25"D	1	674
	3000W/VA	30"W x 47"H x 25"D	1	827
	3750W/VA	30"W x 47"H x 25"D	1	980
	4800W/VA	30"W x 47"H x 25"D	1	1168
	6000W/VA	60"W x 47"H x 25"D	2	1560
	8000W/VA	60"W x 47"H x 25"D	2	1965
	10000W/VA	60"W x 94"H x 25"D	3	2516
	12500W/VA	60"W x 94"H x 25"D	3	2980
FORZA-3	4800W/VA	60"W x 47"H x 25"D	2	1633
	6000W/VA	60"W x 47"H x 25"D	2	1855
	8000W/VA	60"W x 47"H x 25"D	2	2247
	10000W/VA	60"W x 94"H x 25"D	3	2835
	12500W/VA	60"W x 94"H x 25"D	3	3279
	16700W/VA	60"W x 94"H x 25"D	3	4063
	24000W/VA	92"W x 72"H x 31"D	2	6390
	33000W/VA	140"W x 72"H x 31"D	3	8630
	40000W/VA	140"W x 72"H x 31"D	3	10,150
	50000W/VA	140"W x 72"H x 31"D	3	11,980



FORZA-1

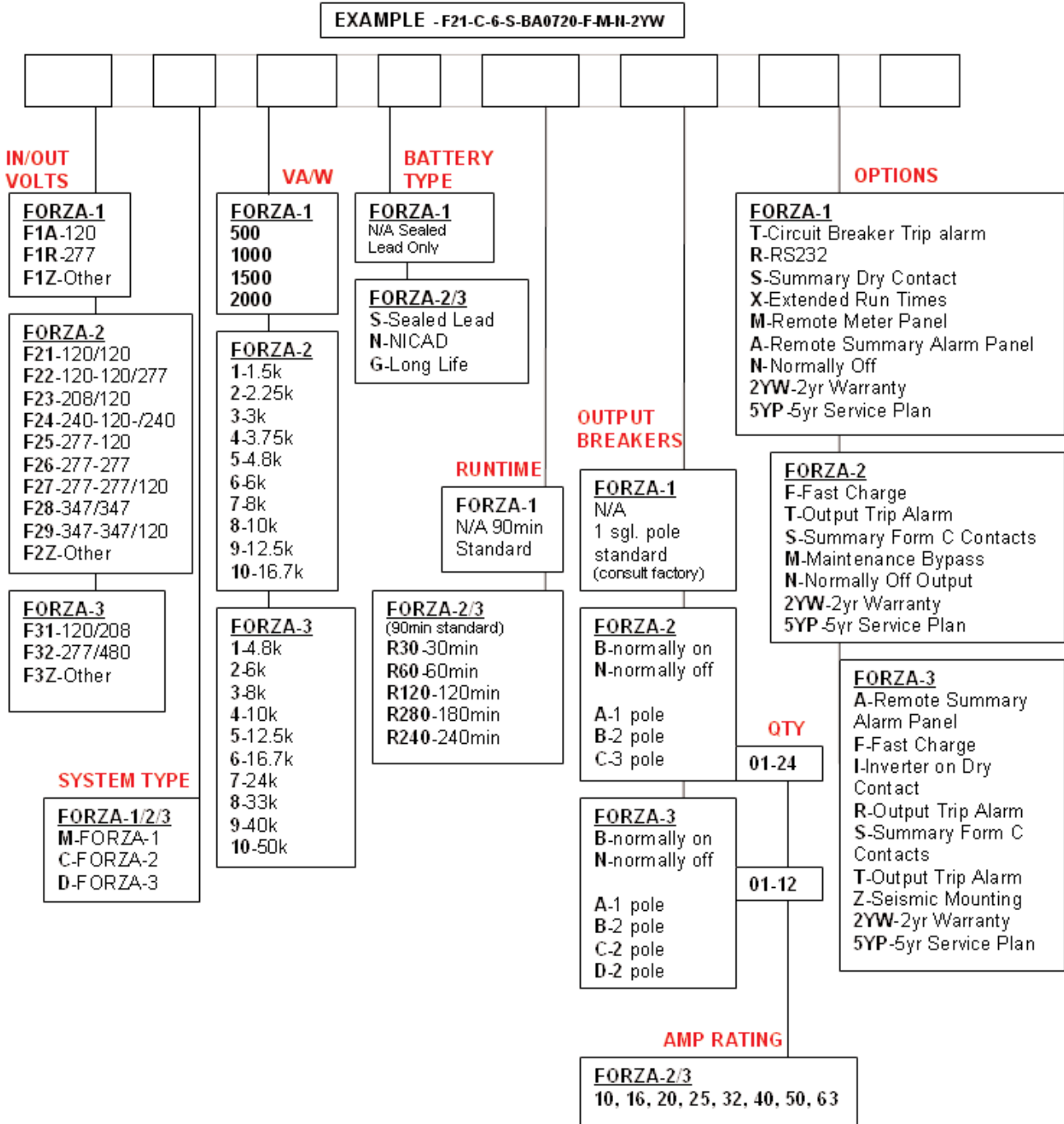


FORZA-3



FORZA-2

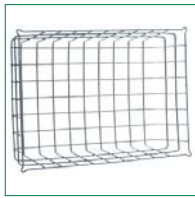
Ordering Information



* Please consult factory for more information.

Accessories





Wireguards & Mounting Shelves

Unit protection & mounting shelves

Page

Protective wire guards & mounting shelves for emergency & exit units.

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Custom Wording

Factory special wording

Page

Custom wording and graphics

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Lamps

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3W - 75W

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Batteries

Replacement Batteries

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Batteries Specifically for Beghelli Products

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Handheld

LED Torch Handheld

Page

High Performance LED Torch

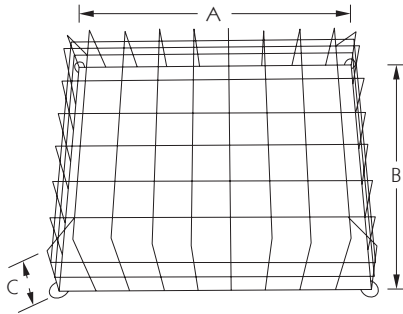
133

Wireguards & Mounting Shelves

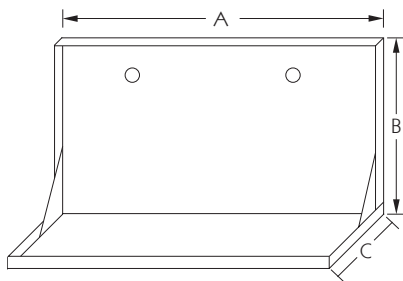
Wireguards

Beghelli USA wireguards provide enhanced protection for emergency lighting equipment from physical damage. All are made from 18 gauge cold rolled steel and finished with a durable white (standard) baked powder coat finish for corrosion resistance. Color options are available upon request. Ideal for use in gymnasiums, outdoor installations, loading docks, warehouses, schools and apartment complexes.

ORDERING INFORMATION



Model Number	Application	Dimensions		
		A	B	C
BPG-1	combination exit & battery unit	17"	17"	7"
BPG-2	wall mount exits	14"	10"	4.5"
BPG-3	ceiling mount exits	14.5"	6"	10.5"
BPG-4	SRP1 and SRP2 remotes	6"	8"	6"
BPG-5	small cabinet battery units	15"	14"	6"
BPG-6	medium cabinet battery units	20"	17"	9"
BPG-7	large cabinet battery units	28.5"	24.75"	10"
BPG-8	SRP1 and LRP1 remotes	8"	6"	8"
BPG-9	SRP2 and LRP2 remotes	12"	9"	9"
BPG-10	ceiling mounted combination exit & battery unit	13.5"	12"	16.5"
BPG-11	special wording custom size signs	29"	8"	10"
BPG-12	Illumina 4' vapor tight	52"	9.5"	4.5"



Mounting Shelves

Model Number	Application	Dimensions		
		A	B	C
BMS-1	very small units: 12W - 36W	12"	10.5"	3.5"
BMS-2	small units: 54W - 72W	17"	10.5"	4.5"
BMS-4	medium units: 100W - 200W	15"	13"	8.5"
BMS-5	large units: 300W - 500W	19.5"	13"	8.5"

JOB:	TYPE:
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Custom Wording

Custom Wording

The following wording and/or symbols are available for use in place of standard exit legends. Please consult factory for availability as well as other legends or symbols not shown. Most standard universal symbols are available, but due to space limitations are not able to be shown. For all custom wording or symbols, please specify letter color Red (R), Green (G) or White (W) on background color Red (R), Green (G) or White (W). All LED signs are available with Red (R) or Green (G) letters on White (W) background. For the BLACK OUT feature specify (BO) after the special wording (SW) option.

AUDIO HEARING AIDS	NOT AN EXIT
AREA OF REFUGE	OCCUPIED
AREA OF RESCUE ASSISTANCE + Handicap Symbol	ON AIR
AREA FOR EVACUATION ASSISTANCE	ON THE AIR
BEAM ON	OPEN
CAUTION RADIATION	PLATING ROOM IN USE
CLOSED	PLEASE CLOSE DOOR
CONTACT ROOM IN USE	PROCEDURE IN PROGRESS
DANGER	QUIET PLEASE
DANGER - DO NOT ENTER	RADIATION IN USE
DARK ROOM IN USE	RADIATION ON
DO NOT ENTER	READY
DO NOT ENTER PIT WHEN LIT	RECORDING
DOWN ESCALATOR	RECORDING IN PROGRESS
ELEVATOR	RECORDING - NO ENTRY
EMERGENCY EXIT	REST ROOMS
EMERGENCY EXIT ONLY	ROOM IN SERVICE
EMERGENCY USE STAIRS	ROOM IN USE
ENTRANCE	ROOM IN USE - DO NOT ENTER
EXIT	SALIDA
EXIT - Arabic	SALIDA / EXIT
EXIT - with arrow down	SIMULATOR IN USE
EXIT - with arrow up	SORTIE
FIRE	SORTIE / EXIT
FIRE DO NOT ENTER	STAIRS
FIRE ESCAPE	STANDBY
FIRST AID - Handicap Symbol	STANDBY POWER
IN SESSION	TELEPHONE
IN USE	TO EXIT
LASER IN USE	UP ESCALATOR
LASER RADIATION	UV IN USE
LOBBY	UV RADIATION
MAGNET ON	WARNING - DO NOT ENTER - X-RAY IN USE
MEN	WARNING - DO NOT ENTER - EXAM IN PROGRESS
NARCOTICS LOCKER OPEN	WOMEN
NO ENTRY	X-RAY IN USE
NO EXIT	X-RAY IN USE - DO NOT ENTER
NO SMOKING	X-RAY ON

Lamps

6V Lamps		12V Lamps		24V Lamps	
LP-120	6V 3W (wedge base)	LP-106	12V 3.6W (wedge base)	LP-123	24V 9W (wedge base)
LP-101	6V 3.6W (wedge base)	LP-107	12V 5.4W (wedge base)	LP-323	24V 12W (bi-pin halogen)
LP-102	6V 5.4W (wedge base)	LP-108	12V 9W (wedge base)	LP-124	24V 18W (wedge base)
LP-103	6V 7.2W (wedge base)	LP-109	12V 12W (wedge base)	LP-310	24V 20W (bi-pin halogen)
LP-104	6V 9W (wedge base)	LP-110	12V 18W (wedge base)	LP-421	24V 70W (H3 halogen)
LP-105	6V 12W (wedge base)	LP-112	12V 3W (wedge base)		
LP-201	6V 6W (sealed beam halogen)	LP-113	12V 14.4W (wedge base)		
LP-201-TC	6V 6W (sealed beam halogen Teflon coated)	LP-211	12V 8W (sealed beam halogen)		
LP-202	6V 7.2W (sealed beam)	LP-212	12V 12W (sealed beam halogen)		
LP-203	6V 8W (sealed beam halogen)	LP-212-TC	12V 12W (sealed beam halogen Teflon coated)		
LP-203-TC	6V 8W (sealed beam halogen Teflon coated)	LP-213	12V 25W (sealed beam)		
LP-204	6V 9W (sealed beam)	LP-213-TC	12V 25W (sealed beam Teflon coated)		
LP-204-TC	6V 9W (sealed beam Teflon coated)	LP-214	12V 18W (sealed beam)		
LP-205	6V 10W (sealed beam halogen)	LP-215	12V 12W (sealed beam)		
LP-206	6V 12W (sealed beam)	LP-215-TC	12V 12W (sealed beam Teflon coated)		
LP-206-TC	6V 12W (sealed beam Teflon coated)	LP-218	12V 30W (sealed beam)		
LP-207	6V 12W (sealed beam halogen)	LP-219	12V 35W (sealed beam)		
LP-207-TC	6V 12W (sealed beam halogen Teflon coated)	LP-220	12V 30W (sealed beam halogen)		
LP-208	6V 18W (sealed beam)	LP-306	12V 8W (bi-pin halogen)		
LP-208-TC	6V 18W (sealed beam Teflon coated)	LP-300	12V 10W (bi-pin halogen)		
LP-209	6V 20W (sealed beam halogen)	LP-307	12V 12W (bi-pin halogen)		
LP-209-TC	6V 20W (sealed beam halogen Teflon coated)	LP-308	12V 20W (bi-pin halogen)		
LP-210	6V 25W (sealed beam)	LP-309	12V 14W (bi-pin halogen)		
LP-210-TC	6V 25W (sealed beam Teflon coated)	LP-151	12V 35W (bi-pin halogen)		
LP-216	6V 30W (sealed beam)	LP-224	12V 50W (sealed beam - wide flood)		
LP-221	6V 25W (sealed beam)	LP-350	12V 50W (bi-pin / T3 GY6.35)		
LP-222	6V 22W (sealed beam)	LP-355	12V 75W (bi-pin / T4 GY6.35)		
LP-301	6V 6W (bi-pin halogen)	LP-311	12V 55W (H3 halogen)		
LP-302	6V 8W (bi-pin halogen)	LP-410	12V 9W (DCB)		
LP-303	6V 10W (bi-pin halogen)	LP-411	12V 18W (DCB)		
LP-304	6V 12W (bi-pin halogen)	LP-412	12V 22W (DCB)		
LP-305	6V 20W (bi-pin halogen)	LP-413	12V 36W (DCB)		
LP-403	6V 9W (DCB)	LP-414	12V 16W (DCB)		
LP-405	6V 12W (DCB)	LP-415	12V 23W (DCB)		
LP-406	6V 18W (DCB)	LP-416	12V 8W (DCB)		
LP-407	6V 22W (DCB)	LP-432	12V 12W (DCB)		
LP-408	6V 6W (DCB)	LP-450	12V 2W (DCB)		
LP-409	6V 5W (DCB)				

JOB:	TYPE:
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Batteries

Reference for replacement of emergency lighting batteries

Article No:	Operates units:	No of batteries:	Dimensions (of each single battery)
BP4.5-6 T1	6V 12W	1	2.76"L x 1.9"W x 4.21"H
BP7-6 T1	6V 18W	1	5.94"L x 1.34"W x 3.94"H
BP12-6 T1	6V 27W	1	5.94" x 1.97"W x 3.94"H
BP7-6 T1	6V 36W	2	5.94"L x 1.34"W x 3.94"H
BP7-12 T1	12V 36W	1	5.57"L x 2.50"W x 3.75"H
BP12-6 T1	6V 54W	2	5.94" x 1.97"W x 3.94"H
BP12-6 T1	12V 54W	2	5.94" x 1.97"W x 3.94"H
BP12-6 T1	6V 72W	2	5.94" x 1.97"W x 3.94"H
BP7 12 T1	12V 72W	2	5.57"L x 2.50"W x 3.75"H
BP12-6 T1	6V 100W	3	5.94" x 1.97"W x 3.94"H
BP12-6 T1	12V 100W	4	5.94" x 1.97"W x 3.94"H
BP12-6 T1	6V 125W	4	5.94" x 1.97"W x 3.94"H
BP12-6 T1	12V 125W	4	5.94" x 1.97"W x 3.94"H
BP33-12	12V 150W	1	7.68"L x5.08"W x 7.05"H
BP33-12	12V 200W	1	7.68"L x5.08"W x 7.05"H
BP33-12	12V 300W	2	7.68"L x5.08"W x 7.05"H
BP33-12	12V 400W	2	7.68"L x5.08"W x 7.05"H
BP33-12	24V 200W	2	7.68"L x5.08"W x 7.05"H
BP33-12	24V 300W	2	7.68"L x5.08"W x 7.05"H
BP33-12	24V 400W	2	7.68"L x5.08"W x 7.05"H

In order to choose the right replacement battery, just find the voltage and wattage of the emergency unit on the table above, the left column will tell you the battery number and the right column will tell you how many batteries you need for that specific fixture, plus their THD (total height dimensions).

Example:

For a 6volt 36watt unit, you would need to order two (2) BP7-6 T1 batteries with the dimension 5.94"L x 1.34"W x 3.94"H each.

Handheld



PRODUCT OVERVIEW

The TORCH by Beghelli is an aluminum compact flashlight, designed with an innovative, single high-output white LED, that provides intense light output and focus. Powered by 2xAA batteries, the TORCH has a constant run time of 25 hours and an LED life of 11 years. Incredibly durable and waterproof, the TORCH is a great partner to have.

ORDERING INFORMATION

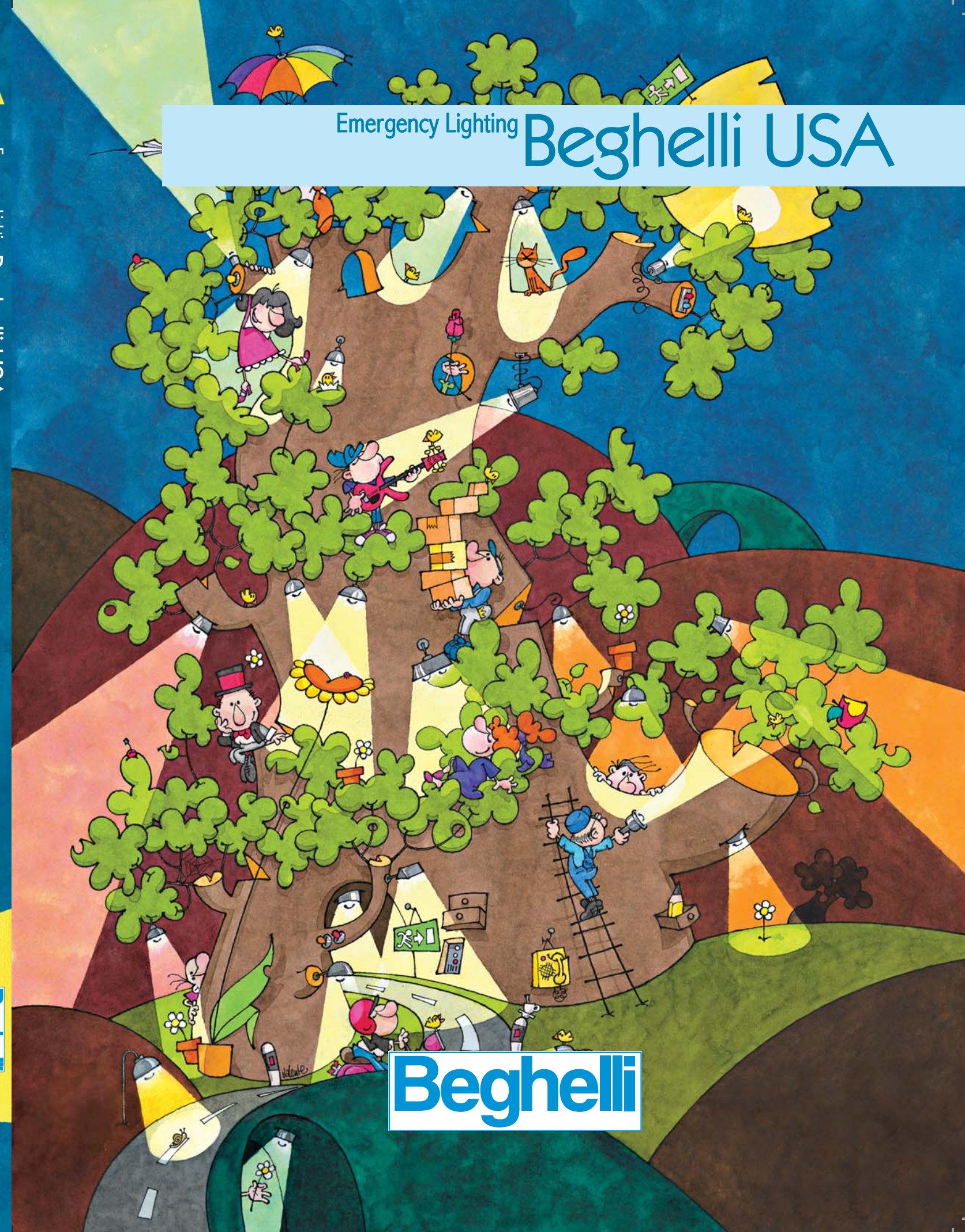
Series	Description
8919	red, high intensity 1w LED
8915	blue, high intensity 1w LED
8921	green, high intensity 1w LED
8917	gold, high intensity 1w LED

JOB:	TYPE:
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Emergency Lighting **Beghelli USA**

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Beghelli



Beghelli