LightGuard

exit signs
solid state lighting
emergency lighting

wayfinding signage
ballasts & controls
central systems

Reliance You Expect

If you are working on a new project or upgrading an existing one, make LightGuard your choice for life safety. For over 35 years, we have provided our architectural, commercial and industrial customers with a wide range of emergency lighting, solid state lighting, exit signs, AC systems and accessories. Our emergency product offerings are designed for high-performance, have a longer service life and a better quality construction than you will find in the market place.

Located in the U.S.A.

In our southeastern North Carolina facility, LightGuard has combined research and development, sales, marketing, manufacturing and administrative services into a single location. This allows us to remain focused towards providing innovative, energy-saving, emergency lighting solutions for our customers.

Leading Innovation and Sustainability

Some of our newest products in this catalog were designed to utilize the latest in white LED solid state lighting technology, combined with sophisticated battery and charger combinations. Our ability to offer normally on solid state drivers delivers a stylish, energy-efficient solution for your indoor and outdoor emergency/security lighting applications.

You can also view our full product line at: www.lightguard.com

If you would like to join our mailing list to receive new product updates, please log on to our website, click on the "Request A Catalog" page and then click "Join Mailing List".

Table of Contents

UL listed | NSF listed | California Energy Commission Certified | Smart Charger diagnostics | NEMA Premium certified

ETL listed | IP66 listed | NEMA 4X listed | Buy American compliant

Unity

indoor/outdoor architectural LED lighting

features

120/277 VAC, 60 Hz dual voltage input, maintenance-free, sealed nickel metal hydride battery (battery option)
Dedicated normally on input may be controlled by switching, dimming, photocell or time clock
Premium die cast aluminum components, impact-resistant polycarbonate lens
Standard Smart Charger self-diagnostics, self-testing is optional on self-powered emergency models (see page 77 for Smart Charger features)
Optional emergency packages for compatibility with generators, inverters and remote emergency input
Available in a full range of architecturally inspired finishes (see page 5 for color examples)
UL 1598 and 924 listed, UL Wet Location listing standard
NFPA 101, NEC, BOCA, OSHA and IBC illumination standards, ADA compliant

electrical specifications

Input power requirements
AC Only Models: 0.203 A (120 VAC), 0.087 A (277 VAC)
AC Only, 2 Circuit Models: 0.203 A (120 VAC), 0.087 A (277 VAC)
Self-Powered Models: 0.198 A (120 VAC), 0.088 A (277 VAC)
Self-Powered Models With Heater: 0.366 A (120 VAC), 0.148 A (277 VAC)

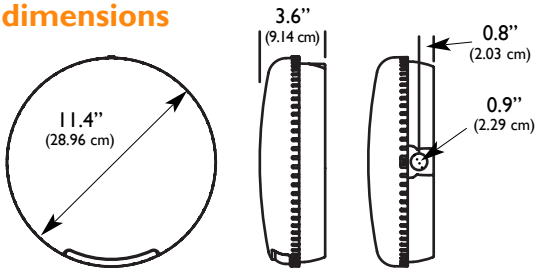
operating temperature range

AC Only Models - Standard Wet Location: -40°F (-40°C) to 104°F (40°C)
Standard Wet Location w/ 2CKT Option: -40°F (-40°C) to 104°F (40°C)
Self-Powered Models - Standard Wet Location: 32°F (0°C) to 104°F (40°C)
Standard Wet Location w/ Heater Option: -40°F (-40°C) to 104°F (40°C)

warranty

Electronics - three years full; Battery - five years full, five years pro-rata

dimensions



ordering information

U				SC	
SERIES	**BATTERY**	**HOUSING FINISH**	**LED DES.**	**MODEL DES.**	**OPTIONS[1]**
U = Unity LED Lighting Fixture	A = AC Only N = Self-Powered Emergency Unit with Nickel Metal Hydride Battery (NiMH)	W = White B = Black A = Aluminum G = Gunmetal BR = Ornamental Bronze AC = Aged Copper VG = Velvet Green N = Nickel GA = Granite	31K = 3,100 Kelvin 65K = 6,500 Kelvin	SC = Smart Charger Self-Diagnostics	2CKT1 = Two-Circuit 120/120 VAC (AC only models) 2CKT2 = Two-Circuit 277/277 VAC (AC only models) DC = Universal 12-48 VDC Remote Emergency Input (AC only models) EX = Special Input Transformer[1] (specify voltage & frequency) HR = Heater Option for -40°C to 40°C Ambient T = Self-Testing Diagnostics TA = Audible Self-Testing Diagnostics TD = Time Delay
ACCESSORIES (Ordered Separately) SCIR = Smart Charger Infra-Red Remote T10TPTOOL = Tamperproof Screwdriver					

NOTE: 1) Some options impact UL listing. Consult factory for specifics.

Grafix

low-level architectural LED lighting

features

120/277 VAC, 60 Hz dual voltage input
Dedicated normally on input may be controlled by switching, dimming, photocell or time clock
Maintenance-free, sealed nickel metal hydride battery (battery option)
Premium die cast aluminum components, impact-resistant polycarbonate lens
Standard Smart Charger self-diagnostics, self-testing is optional on self-powered emergency models (see page 77 for Smart Charger features)
Available in a full range of architecturally inspired finishes (see page 5 for color examples)
UL 1598 and 924 listed, UL Damp and Wet Location listing standard
NFPA 101, NEC, BOCA, OSHA and IBC illumination standards, ADA compliant when recessed mounted

electrical specifications

Input power requirements
AC Only Models: 0.203 A (120 VAC), 0.087 A (277 VAC)
AC Only, 2 Circuit Models: 0.203 A (120 VAC), 0.087 A (277 VAC)
Self-Powered Models: 0.203 A (120 VAC), 0.088 A (277 VAC)
Self-Powered Models With Heater: 0.366 A (120 VAC), 0.148 A (277 VAC)

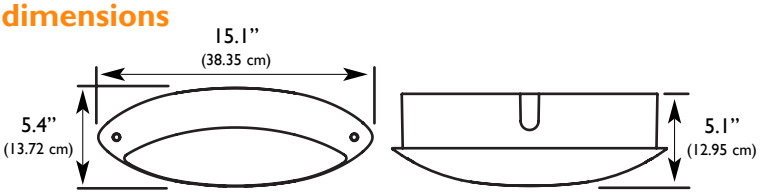
operating temperature range

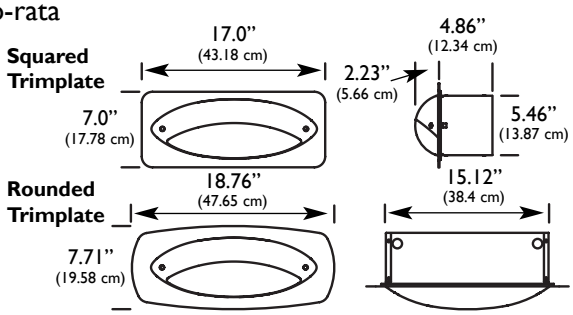
AC Only Models - Standard Wet Location: -40°F (-40°C) to 104°F (40°C)
Standard Wet Location w/ 2CKT Option: -40°F (-40°C) to 104°F (40°C)
Self-Powered Models - Standard Wet Location: 32°F (0°C) to 104°F (40°C)
Standard Wet Location w/ Heater Option: -40°F (-40°C) to 104°F (40°C)

warranty

Electronics - three years full; Battery - five years full, five years pro-rata

dimensions





ordering information

GR				SC	
SERIES	**BATTERY**	**HOUSING FINISH**	**LED DES.**	**MODEL DES.**	**OPTIONS**
GR = Grafix Series White LED Luminaire	A = AC Only N = Nickel Metal Hydride Battery (NiMH)	W = White B = Black A = Aluminum G = Gunmetal BR = Ornamental Bronze AC = Aged Copper VG = Velvet Green N = Nickel GA = Granite	31K = 3,100 Kelvin 65K = 6,500 Kelvin	SC = Smart Charger Self-Diagnostics	2CKT1 = Two-Circuit 120/120 VAC (AC only models) 2CKT2 = Two-Circuit 277/277 VAC (AC only models) CPR = Concrete-Pour Backbox, Rounded Trimplate[1] CPS = Concrete-Pour Backbox, Squared Trimplate[1] DC = Universal 12-48 VDC Remote Emergency Input (AC only models) EX = Special Input Transformer[2] (specify voltage & frequency) HR = Heater Option for -40°C to 40°C Ambient T = Self-Testing Diagnostics (Nickel Metal Hydride units only) TA = Audible Self-Testing Diagnostics (Nickel Metal Hydride units only)
ACCESSORIES (Order As A Separate Line Item) SCIR = Smart Charger Infra-Red Remote T10TPTOOL = Tamperproof Driver and Bit RCPBBXX* = Concrete Pour Back Box, Rounded Trimplate SCPBBXX* = Concrete Pour Back Box, Squared Trimplate		* Fill in Housing Finish color for "XX" to order matching trimplate color.		NOTE: 1) Concrete-pour backboxes may be ordered for rough-in. See Accessories. If backboxes are installed, omit ordering with CPR/CPS. 2) Some options impact UL listing. Consult factory for specifics.	

Illusion III

architectural ceiling recessed LED lighting

features

120/277 VAC, 60 Hz dual voltage input
Maintenance-free, sealed nickel metal hydride battery (battery option)
Premium die cast aluminum components, impact-resistant polycarbonate lens
Standard Smart Charger self-diagnostics, self-testing is optional on self-powered emergency models (see page 77 for Smart Charger features)
Optional emergency packages for compatibility with generators, inverters and remote emergency input
Available in a full range of architecturally inspired finishes (see below for color examples)
UL 1598 Non-IC and UL 924 listed, UL Damp Location listing standard
NFPA 101, NEC, BOCA, OSHA and IBC illumination standards

electrical specifications

Input power requirements
AC Only Models: 0.203 A (120 VAC), 0.087 A (277 VAC)
Self-Powered Models: 0.198 A (120 VAC), 0.088 A (277 VAC)

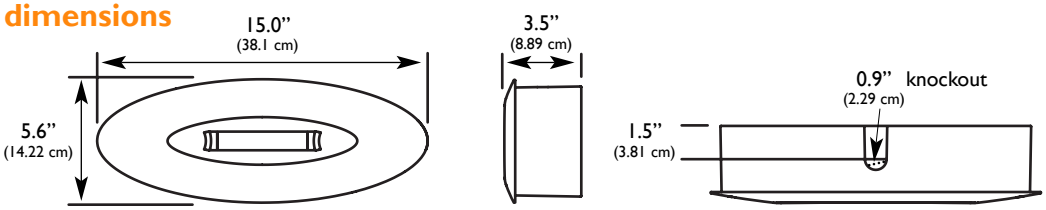
operating temperature range

AC Only and 2-CKT Models - Standard Damp Location: -40°F (-40°C) to 104°F (40°C)
Self-Powered Models - Standard Damp Location: 32°F (0°C) to 104°F (40°C)

warranty

Electronics - three years full; Battery - five years full, five years pro-rata

dimensions



ordering information

I3				SC	
SERIES	**BATTERY**	**HOUSING FINISH**	**LED DES.**	**MODEL DES.**	**OPTIONS**
I3 = Illusion III LED Fixture	A = AC Only N = Nickel Metal Hydride Battery (NiMH)	W = White B = Black A = Aluminum G = Gunmetal BR = Ornamental Bronze AC = Aged Copper VG = Velvet Green N = Nickel GA = Granite	31K = 3,100 Kelvin 65K = 6,500 Kelvin	SC = Smart Charger Self-Diagnostics	2CKT1 = Two-Circuit 120/120 VAC (AC only models) 2CKT2 = Two-Circuit 277/277 VAC (AC only models) DC = Universal 12-48 VDC Remote Emergency Input (AC only models) EX = Special Input Transformer (specify voltage & frequency)[1] RT = Rectangular Trim Plate T = Self-Testing Diagnostics TA = Audible Self-Testing Diagnostics TP = Tamperproof
					NOTE: 1) Some options impact UL listing. Consult factory for specifics.
ACCESSORIES (Order As A Separate Line Item) SCIR = Smart Charger Infra-Red Remote T15TPTOOL = Tamperproof Screwdriver					

white | black | aluminum | gunmetal | ornamental bronze | aged copper | velvet green | nickel | granite

color examples are representative and may vary from actual housing powder coat color

NightWatch

emergency/security low-level LED lighting

features

12 VAC, 12 VDC or 120 VAC, 50/60 Hz input
Premium die cast aluminum components
Available in a full range of architecturally inspired finishes (see page 5 for color examples)
Energy-efficient, long-lasting, high-intensity, white LEDs offer even illumination
Intensity control dip switch allows for high, medium and low output modes
UL Wet Location listed standard for indoor/outdoor use, UL 1598 listed
NFPA 101, NEC, BOCA, OSHA and IBC illumination standards
Meets ADA specifications for wall mounted lighting fixtures

electrical specifications

	Current at Dip Switch Setting		
Input Volts	Low	Med	High
12 VDC	0.140 A	0.330 A	0.430 A
12 VAC	0.220 A	0.465 A	0.585 A
120 VAC	0.035 A	0.065 A	0.085 A

120 VAC Line Voltage Dimmable: 60 Hz, 0.072 A

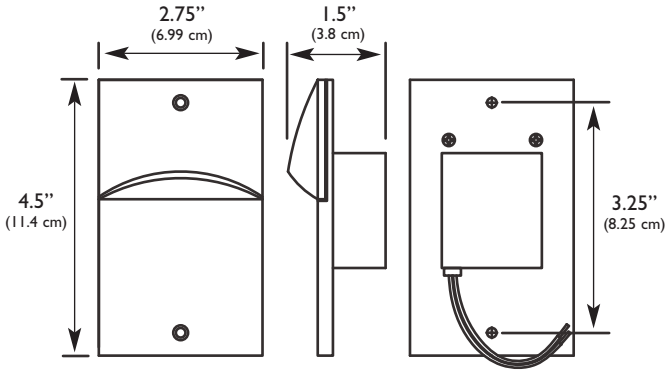
operating temperature range

Standard: -31°F (-35°C) to 104°F (40°C)

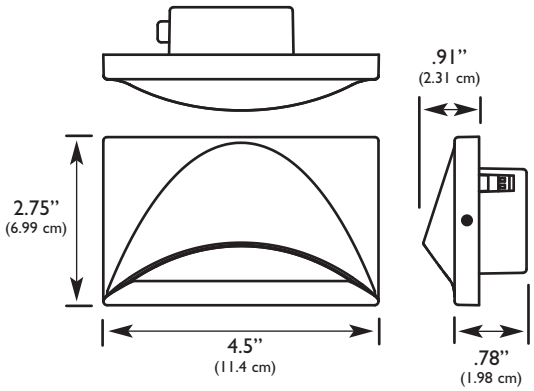
warranty

Electronics - five years full

dimensions



Horizontal



ordering information

		S		
SERIES	**INPUT VOLTAGE**	**LENS**	**FINISH**	**DRIVER OPTION**
N = NightWatch NH = NightWatch Horizontal Mount	1 = 12 AC, DC 2 = 120 VAC	S = Satin	W = White BK = Black IV = Ivory A = Aluminum G = Gunmetal BR = Ornamental Bronze AC = Aged Copper VG = Velvet Green N = Nickel GA = Granite	Blank = Adjustable Dip Switch DIM = Line Voltage Dimmable[1]

Note:
1) Line voltage dimmable driver available only with 120VAC (N2, NH2) models.

Brillare

architectural emergency LED lighting

features

120/277 VAC, 60 Hz dual voltage input
Maintenance-free, sealed nickel metal hydride battery
Microprocessor-based, self-testing diagnostics standard
Energy-efficient, long-lasting, high-intensity, white LEDs offer even illumination
Specular Miro 4 (Alanod™) aluminum reflector
Die cast and extruded aluminum housing
Available in a full range of architecturally inspired finishes (see page 5 for color examples)
Built-in infrared receiver for remote testing
UL 924 listed, UL Damp Location listing optional, City of Chicago Approved
NFPA 101, NEC, BOCA, OSHA and IBC illumination standards

electrical specifications

Input power requirements: 0.09 A (120 VAC), 0.03 A (277 VAC)

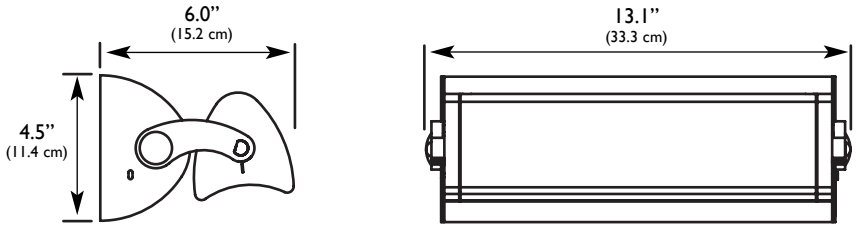
operating temperature range

Standard: 65°F (19°C) to 85°F (30°C)
Damp Location: 50°F (10°C) to 104°F (40°C)

warranty

Electronics - three years full; Battery - five years full, five years pro-rata

dimensions



ordering information

B		
SERIES	**HOUSING COLOR**	**OPTIONS**
B = Brillare	W = White B = Black A = Aluminum G = Gunmetal BR = Ornamental Bronze AC = Aged Copper VG = Velvet Green N = Nickel Consult factory for other colors.	TP = Tamperproof DL = Damp Location **ACCESSORIES** (Ordered Separately) LGREMOTE = Infrared Remote Control

Brillare Normally On

dimmable normally on LED lighting with optional emergency input

features

120/277 VAC, 60 Hz dual voltage input
Energy-efficient, long-lasting, high-intensity, white LEDs offer even illumination
Specular Miro 4 (Alanod™) aluminum reflector
Die cast and extruded aluminum housing
Available in a full range of architecturally inspired finishes (see page 5 for color examples)
UL 924 listed, UL Damp Location listing standard
NFPA 101, NEC, BOCA, OSHA and IBC illumination standards

electrical specifications

Input power requirements: 0.10 A (120 VAC), 0.04 A (277 VAC)

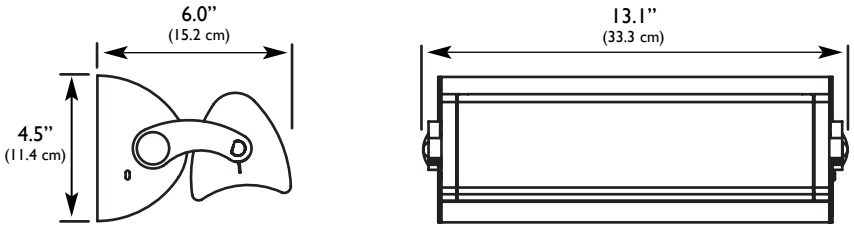
operating temperature range

-22°F (-30°C) to 104°F (40°C)

warranty

Electronics - three years full

dimensions



ordering information

BNO			
SERIES	**HOUSING COLOR**	**INPUT VOLTAGE OPTIONS**	**OPTIONS**
BNO = Brillare Normally On	W = White B = Black A = Aluminum G = Gunmetal BR = Ornamental Bronze AC = Aged Copper VG = Velvet Green N = Nickel Consult factory for other colors.	Blank = 120/277 VAC No Emergency 2CKT1 = 120/120 2-Circuit 2CKT2 = 277/277 2-Circuit	TP = Tamperproof
		ACCESSORIES (Ordered Separately) T10TPTOOL = Tamperproof Tool with Bit	

Illusion

fully-recessed architectural emergency lighting

features

120/277 VAC, 60 Hz dual voltage input
Maintenance-free, sealed lead calcium battery
Standard Smart Charger self-diagnostics, self-testing is optional (see page 77 for Smart Charger features)
Backbox constructed of 20 gauge galvanized steel
Cover and diffusers constructed of impact-resistant polycarbonate
Faceplate may be painted or wallpapered to match wall or ceiling decor
Illumination is provided by two high-performance, 35 watt MR16 lamps with a reflector system
90° head rotation for corner installations
UL 924 listed for insulated ceilings (IC)
NFPA 101, NEC, BOCA, OSHA and IBC illumination standards
Meets ADA specifications for wall mounted lighting fixtures

electrical specifications

Input power requirements: 0.27 A (120 VAC), 0.13 A (277 VAC)

operating temperature range

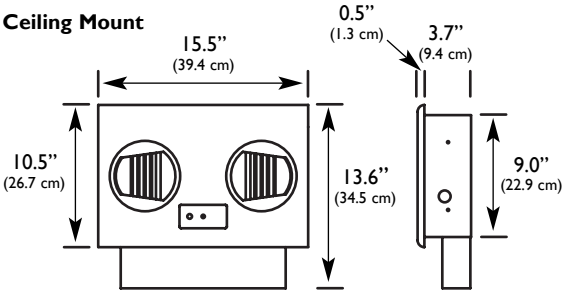
65°F (19°C) to 85°F (30°C)

warranty

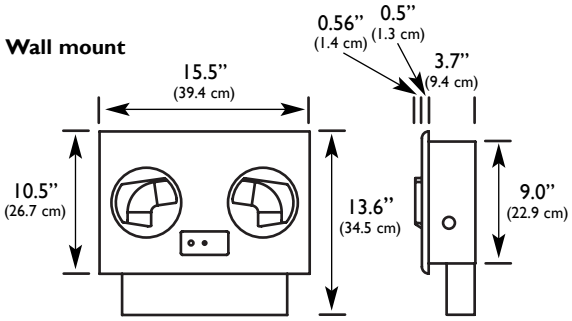
Electronics - three years full; Battery - one year full, four years pro-rata

dimensions

Ceiling Mount



Wall mount



ordering information

I	I		SC	
SERIES	**WATTAGE**	**HOUSING COLOR**	**MODEL DES.**	**OPTIONS**
I = Illusion Concealed Emergency Unit	I = 72 Watts	W = White B = Black	SC = Smart Charger Self-Diagnostics	EX = Special Input Transformer (specify voltage & frequency)[1] T = Self-Testing Diagnostics TA = Audible Self-Testing Diagnostics TD = Time Delay[2] TP = Tamperproof

ACCESSORIES
(Ordered Separately)
IBHK = Bar Hanger Kit for Mechanical Ceilings
T15TPTOOL = Tamperproof Screwdriver
WMLK = Wall Mount Lens Kit
CMLK = Ceiling Mount Lens Kit
RPLTSW = Remote Test Switch Kit for Single Gang Wall Box 120VAC
SCIR = Smart Charger Infra-Red Remote

Note:
1) Some options impact UL listing. Consult factory for specifics.
2) 15 minute time delay.

Illusion²

fully-recessed architectural emergency lighting specially designed for suspended ceiling installations

features

120/277 VAC, 60 Hz dual voltage input
Maintenance-free, sealed lead calcium battery
Standard Smart Charger self-diagnostics, self-testing is optional (see page 77 for Smart Charger features)
Backbox constructed of 14 gauge galvanized steel
Patented optical assembly constructed of impact-resistant polycarbonate
Suspended ceiling mounting installation
Illumination is provided by two high-performance, 35 watt MR16 lamps with a reflector system
90° head rotation for corner installations
UL 924 listed for suspended ceiling systems
IC rated for insulated suspended ceilings
NFPA 101, NEC, BOCA, OSHA and IBC illumination standards

electrical specifications

Input power requirements: 0.27 A (120 VAC), 0.13 A (277 VAC)

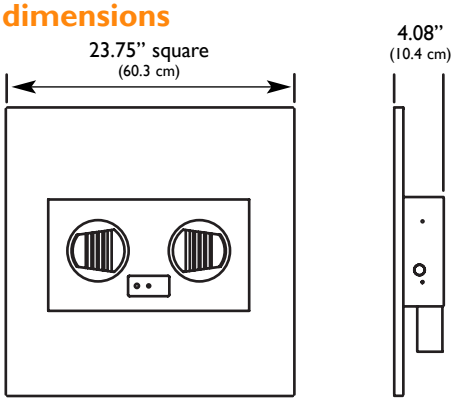
operating temperature range

65°F (19°C) to 85°F (30°C)

warranty

Electronics - three years full; Battery - one year full, four years pro-rata

dimensions



ordering information

I2		SC	
SERIES	**HOUSING COLOR**	**MODEL DES.**	**OPTIONS**
I2 = Illusion 2x2 Emergency Unit	W = White B = Black	SC = Smart Charger Self-Diagnostics	EX = Special Input Transformer[1] (specify voltage & frequency) T = Self-Testing Diagnostics TA = Audible Self-Testing Diagnostics TD = Time Delay[2] TP = Tamperproof

ACCESSORIES
(Ordered Separately)
I2BHK = Bar Hanger Kit
T15TPTOOL = Tamperproof Screwdriver
RPLTSW = Remote Test Switch Kit for Single Gang Wall Box
SCIR = Smart Charger Infra-Red Remote

Note:
1) Some options impact UL listing. Consult factory for specifics.
2) 15 minute time delay.

Illusion Remote & UVR16

remote emergency lighting fixtures

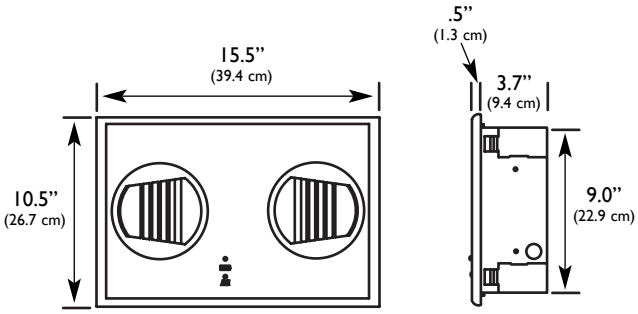
Illusion Remote features

12 volt, 70 watt remote emergency lighting fixture
Fully recessed, architectural emergency lighting that is suitable for wall or ceiling mounting
Illumination is provided by two high-performance, 35 watt MR16 lamps combined with a reflector system
Backbox constructed of 20 gauge galvanized steel
Flush cover and diffusers constructed of impact-resistant polycarbonate
UL 924 listed for insulated ceiling systems (IC rating)
NFPA 101, NEC, BOCA, OSHA and IBC illumination standards
Meets ADA specifications for wall mounted fixtures

UVR16 features

6 VDC, 5.5 watt or 12 VDC, 12 watt MR16 lamps that are fully adjustable
Housing and backplate are injection molded from a premium high-impact, F1 rated polycarbonate
Wet location versions include a standard gasket kit
UL 924 listed
UL 924 Wet Location listed
NFPA 101, NEC, BOCA, OSHA and IBC illumination standards
Operating temperature range: -49°F (-45°C) to 140°F (60°C)

Illusion Remote dimensions

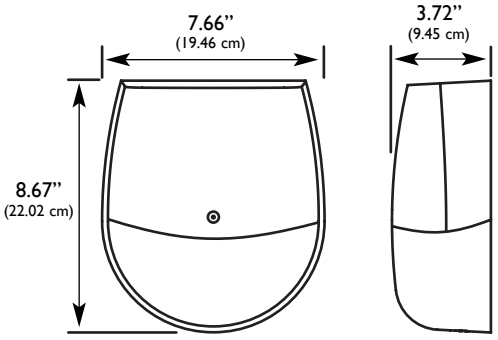


ordering information

Illusion Remote

IIR		
SERIES	**HOUSING COLOR**	**OPTIONS**
IIR = Remote Illusion 70 Watt Concealed Emergency Lighting Unit	W = White B = Black	TP = Tamperproof
ACCESSORIES (Ordered Separately) T15TPTOOL = Tamperproof Screwdriver IBHK = Bar Hanger Kit for Mechanical Ceilings WMLK = Wall Mount Lens Kit		

SVR16 dimensions



ordering information

UVR16

UVR16		
SERIES	**HOUSING COLOR**	**LAMP TYPE**
UVR16 = Unison Vandal Series Remote	W = White B = Black BZ = Bronze	Blank = 6 Volt, 5.5 Watt MR16 12 = 12 Volt, 12 Watt MR16
ACCESSORIES (Ordered Separately) T15TPTOOL = Tamperproof Tool		

FL2-FL3

decorative emergency lighting

features

120/277 VAC, 60 Hz dual voltage input
6 volt, 11 or 17 watt units
Maintenance-free, sealed lead calcium battery
6 watt remote capability with FL3 unit
Two fully-adjustable, polycarbonate, 5.4 watt T-5 lamp heads
Labor-saving, snap-together design eases installation
Surface wall or ceiling installation
Impact-resistant UL 94 V-0, 5 VA thermoplastic (completely self-contained)
White housing is standard with black housing option available
Optional self-diagnostics
UL 924 listed, UL Damp Location listing standard
NFPA 101, NEC, BOCA, OSHA and IBC illumination standards

electrical specifications

Input power requirements: 0.045 A (120 VAC), 0.020 A (277 VAC)

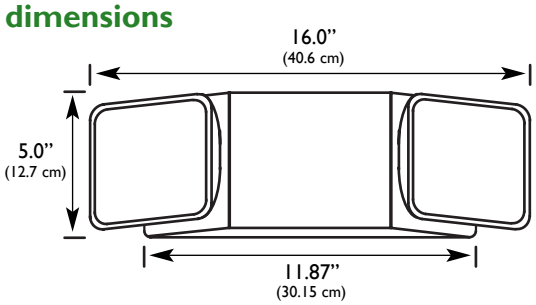
operating temperature range

Damp Location: 68°F (20°C) to 104°F (40°C)

warranty

Electronics - three years full; Battery - one year full, four years pro-rata

dimensions



ordering information

SERIES	HOUSING COLOR	OPTIONS
FL2 = 6 Volt, 11 Watt Emergency Lighting Unit FL3 = 6 Volt, 17 Watt Emergency Lighting Unit with 6 Watt Remote Capability	Blank = White B = Black	OT = Self-Diagnostics (available in white housing only)
		ACCESSORIES (Ordered Separately) WG5 = Wire Guard

FL4

decorative emergency lighting

features

120/277 VAC, 60 Hz dual voltage input
6 volt, 11 watt unit
Maintenance-free, sealed lead calcium battery
Surface wall or ceiling installation
Impact-resistant UL 94 V-0, 5 VA thermoplastic (completely self-contained)
Labor-saving, snap-together design eases installation
Backplate with matching knockouts simplifies installation to standard junction boxes
Two 6 VDC, 5.4 watt T-5 lamps with flush-mounted fresnel lenses
UL 924 listed
NFPA 101, NEC, BOCA, OSHA and IBC illumination standards

electrical specifications

Input power requirements: 0.060 A (120 VAC), 0.031 A (277 VAC)

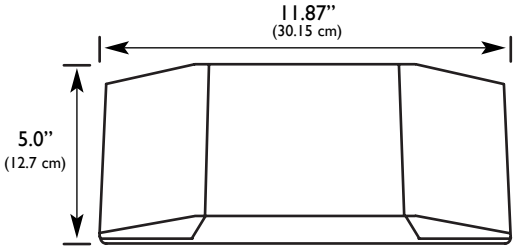
operating temperature range

Standard Location: 68°F (20°C) to 86°F (30°C)

warranty

Electronics - three years full; Battery - one year full, four years pro-rata

dimensions



ordering information

FL4	
SERIES	**HOUSING COLOR**
FL4 = 6 Volt, 11 Watt Emergency Lighting Unit	Blank = White
ACCESSORIES (Ordered Separately) PVS = Polycarbonate Vandal Shield WG5 = Wire Guard	

L6-L12

commercial grade emergency lighting

features

120/277 VAC, 60 Hz dual voltage input
6 or 12 volt operation, 50 to 100 watt units
Maintenance-free, sealed lead calcium battery
Impact-resistant, UL 94 V-0, 5 VA thermoplastic housing and lamp heads
Off-white housing is standard
Illumination provided by two 6 VDC or 12 VDC, 9 watt, fully adjustable Par 36 lamp heads
UL 924 listed
NFPA 101, NEC, BOCA, OSHA and IBC illumination standards

electrical specifications

Input power requirements: 0.11 A (120 VAC), 0.05 A (277 VAC)

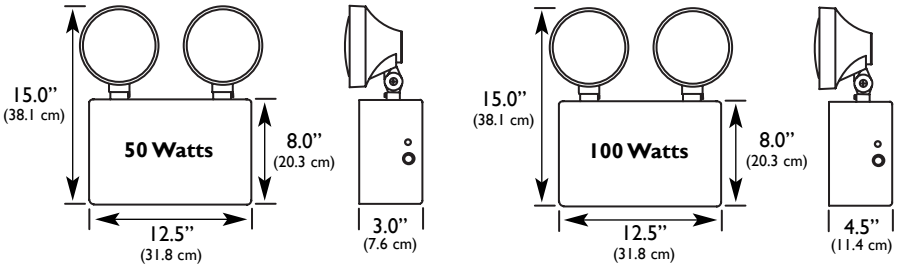
operating temperature range

65°F (19°C) to 85°F (30°C)

warranty

Electronics - three years full; Battery - one year full, four years pro-rata

dimensions



ordering information

SERIES
L650 = 6 Volt, 50 Watt Unit L6100 = 6 Volt, 100 Watt Unit L1250 = 12 Volt, 50 Watt Unit L12100 = 12 Volt, 100 Watt Unit

Unison Series

contemporary emergency lighting
6 volt, 12 to 18 watt units

commercial lighting

features

120/277 VAC, 60 Hz dual voltage input
Maintenance-free, sealed lead calcium or sealed nickel cadmium battery
6 volt, 12 to 18 watt units
Reliable, economical, contemporary emergency lighting suitable for wall mounting
Integral, adjustable lamps can be adjusted 180° vertically and horizontally
Multiple lamp types available
Impact-resistant, UL 94 V-0, 5 VA thermoplastic
Modular plug-in wiring harness allows line voltage connections in either the junction box or product housing
UL 924 listed, meets ADA specifications for wall mounted fixtures
NFPA 101, NEC, BOCA, OSHA and IBC illumination standards

electrical specifications

Input power requirements
12 Watt Unit = 0.112 A (120 VAC), 0.062 A (277 VAC)
14 to 18 Watt Units = 0.077 A (120 VAC), 0.034 A (277 VAC)

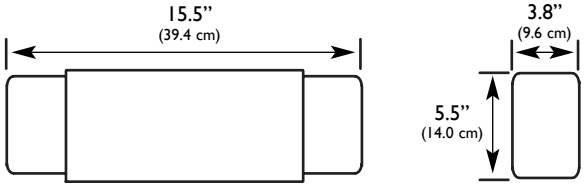
operating temperature range

Standard Location: 65°F (19°C) to 85°F (30°C)

warranty

Electronics - three years full
Lead Calcium Battery - one year full, four years pro-rata
Nickel Cadmium Battery - five years full, five years pro-rata

dimensions



ordering information

U			
SERIES	**BATTERY/WATTAGE**	**LAMP TYPE[1]**	**HOUSING COLOR**
U = Unison Series Thermoplastic Emergency Lighting Unit	**Lead Calcium** 12L = 12 Watt Unit 18L = 18 Watt Unit **Nickel Cadmium** 12N = 12 Watt Unit 14N = 14 Watt Unit 18N = 18 Watt Unit	T6 = Tungsten 6W T7 = Tungsten 7W T9 = Tungsten 9W H7 = Halogen 7W	W = White B = Black
ACCESSORIES (Ordered Separately) UCKTW = White Canopy for Ceiling Mount UCKTB = Black Canopy for Ceiling Mount PVS = Polycarbonate Vandal Shield WG5 = Wire Guard			Note: 1) Selected lamp wattage cannot exceed unit output rating.

Unison Series

contemporary emergency lighting
6 or 12 volt, 18 to 72 watt units

features

120/277 VAC, 60 Hz dual voltage input
Maintenance-free, sealed lead calcium or sealed nickel cadmium battery
6 or 12 volt, 18 to 72 watt units
Reliable, economical, contemporary emergency lighting product suitable for wall mounting
Integral, adjustable lamps can be adjusted 180° vertically and horizontally, multiple lamp types available
Impact-resistant, UL 94 V-0, 5 VA thermoplastic
Modular plug-in wiring harness allows line voltage connections in either the junction box or product housing
Standard Smart Charger self-diagnostics, self-testing is optional (see page 77 for Smart Charger features)
UL 924 listed, UL Damp Location listing optional, NFPA 101, NEC, BOCA, OSHA and IBC illumination standards

electrical specifications

Input power requirements
6 VDC Models: 0.139 A (120 VAC), 0.060 A (277 VAC)
12 VDC Models: 0.288 A (120 VAC), 0.125 A (277 VAC)

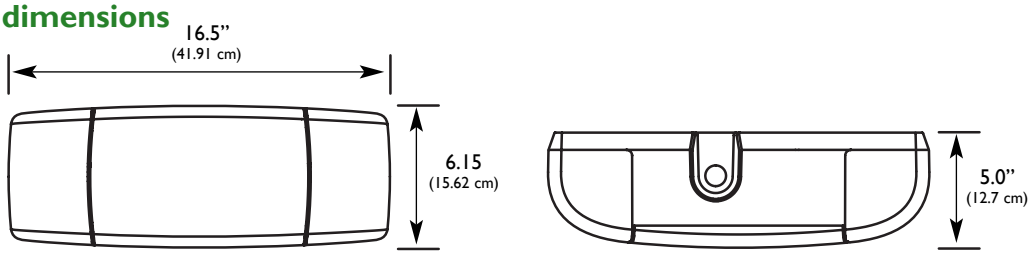
operating temperature range

Standard Location: 65°F (19°C) to 85°F (30°C), Damp Location: 32°F (0°C) to 104°F (40°C)

warranty

Electronics - three years full
Lead Calcium Battery - one year full, four years pro-rata
Nickel Cadmium Battery - five years full, five years pro-rata

dimensions



ordering information

				SC	
SERIES	**BATTERY/WATTAGE**	**LAMP TYPE[1]**	**HOUSING COLOR**	**MODEL DES.**	**OPTIONS[2]**
U = 6 Volt, Unison Series Thermoplastic Emergency Lighting Unit U2[1] = 12 Volt, Unison Series Thermoplastic Emergency Lighting Unit	**Lead Calcium** 18L = 18 Watt Unit[5] 25L = 25 Watt Unit 36L = 36 Watt Unit 50L = 50 Watt Unit 72L = 72 Watt Unit **Nickel Cadmium** 25N = 25 Watt Unit 50N = 50 Watt Unit	**6 Volt** H6 = Halogen 6W H7 = Halogen 7W H10 = Halogen 10W H12 = Halogen 12W **12 Volt** T12 = Halogen 12W H12 = Halogen 12W MR16 Flood H20F = Halogen 20W MR16 Flood H20S = Halogen 20W MR16 Spot M7F = LED 7W MR16 Flood	W = White B = Black	SC = Smart Charger Self-Diagnostics	A = Ammeter ACF = 120/277 VAC Input Fuse ACP = 120/277 VAC Power Switch DCP = DC Battery Disconnect Switch DL = Damp Location Listing[4] EX = Special Input Transformer[2] (specify voltage & frequency) T = Self-Testing Diagnostics (non-audible) TA = Audible Self-Testing Diagnostics TD = Time Delay[3] TP = Torx Tamperpoof Hardware, Includes Bit V = Voltmeter

NOTE:
1) 12 VDC models only available in 36, 50 and 72 watt lead calcium, 25 and 50 watt nickel cadmium.
2) Some option combinations may impact UL listing. Consult factory for specifics.
3) 15 minute delay.
4) 72 watt units not available with DL option.
5) 18 watt units not available in 12 volt models.

ACCESSORIES
(Ordered Separately)
SCIR = Smart Charger Infra-Red Remote
PVS = Polycarbonate Vandal Shield
WG5 = Wire Guard
SUMK = Universal Mounting Kit for Columns, Poles and I-beams
T15TPTOOL = Tamperproof Driver and Bit

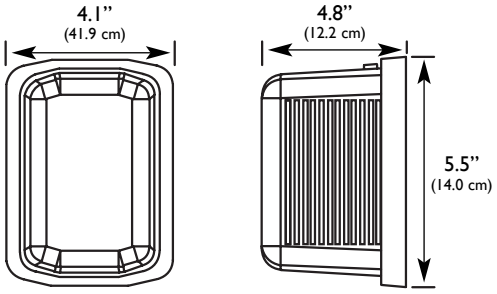
Unison Series

contemporary remote emergency lighting

features

Two distinct remote head designs
6 or 12 volt, 6 to 20 watt units
Suitable for wall or ceiling mounting, ideal for damp locations
"U" series is gasketed for outdoor use
A wide variety of lamps to meet specific egress requirements
High-performance, specular, parabolic reflector lamps can be adjusted 180° vertically and horizontally
Backplate constructed of impact-resistant, UL 94 V-0, 5 VA thermoplastic
Furnished low-voltage supply wires (12") are connected at the junction box to either a 6 VDC or 12 VDC emergency power source, supplied separately
NFPA 101, NEC, BOCA, OSHA and IBC illumination standards, meets ADA specifications for wall mounted lighting fixtures

dimensions

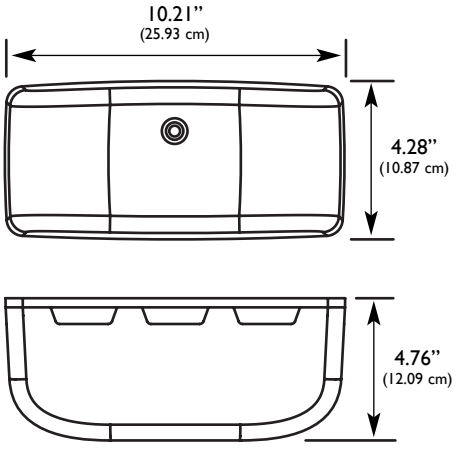


ordering information

U			
SERIES	**LAMP WATTAGE/VOLTAGE**	**BACKPLATE COLOR**	**OPTIONS**
U = Unison Series	**6 Volt, Tungsten T-5 Wedge Base** T66 = 6W, 6 VDC T76 = 7W, 6 VDC T96 = 9W, 6 VDC **6 Volt, Halogen T-2 1/4 Wedge Base** H76 = 7W, 6 VDC H106 = 10W, 6 VDC H126 = 12W, 6 VDC **6 Volt, Halogen MR11 Style** MR5 = Single 5W, 6 VDC MR10 = Double 5W, 6 VDC **12 Volt, Tungsten** T912 = 9W, 12 VDC T1212 = 12W, 12 VDC T1812 = 18W, 12 VDC **12 Volt, Halogen** H1212 = 12W, 12 VDC **12 Volt, Halogen MR16 Style**[1] H2012 = 20W, 12 VDC	W = White B = Black	G = Gasketed for Outdoor Use[2]

NOTE:
1) Halogen 20 watt, 12 VDC lamp is a MR16 style.
2) A form fitted gasket is supplied to be installed between the luminaire and junction box to protect against water entry. This product is not recommended for use in areas where high wind or high pressure spray washdown could occur.

dimensions



ordering information

SERIES	**LAMP WATTAGE/VOLTAGE**	**HOUSING COLOR**
UR = 6 Volt Unison Series UR2 = 12 Volt Unison Series	**6 Volt** H6 = 6W Halogen H7 = 7W Halogen H10 = 10W Halogen H12 = 12W Halogen **12 Volt** T12 = 12W Halogen H12 = 12W Halogen MR16 Flood H20F = 20W Halogen MR16 Flood H20S = 20W Halogen MR16 Spot **12 Volt LED** M7F = 7W MR16 LED, 35°	W = White B = Black

Vectra Series

general duty thermoplastic unit

features

120/277 VAC, 60 Hz dual voltage input, 6 and 12 volt, 12 to 50 watts
Maintenance-free, sealed lead calcium or nickel cadmium battery
Universal j-box mounting pattern or keyhole knockouts available for mounting
Can mount up to three lamp heads
Preferred "J" Series rectangular lamp head incorporates a high-performance, parabolic reflector with a wedge base tungsten lamp
Standard Smart Charger self-diagnostics, self-testing is optional (see page 77 for Smart Charger features)
UL 924 listed, UL damp location listing optional
NFPA 101, NEC, BOCA, OSHA and IBC illumination standards

electrical specifications

Non-Diagnostic Models
6 V Lead Calcium: 0.115 A (120 VAC), 0.050 A (277 VAC)
6 V NiCad: 0.160 A (120 VAC), 0.071 A (277 VAC)
12 V Lead Calcium: 0.126 A (120 VAC), 0.055 A (277 VAC)
12 V NiCad: 0.116 A (120 VAC), 0.051 A (277 VAC)

Smart Charger Models
6 V Lead Calcium: 0.113 A (120 VAC), 0.055 A (277 VAC)
6 V NiCad: 0.157 A (120 VAC), 0.065 A (277 VAC)
12 V Lead Calcium: 0.331 A (120 VAC), 0.146 A (277 VAC)
12 V NiCad: 0.200 A (120 VAC), 0.094 A (277 VAC)

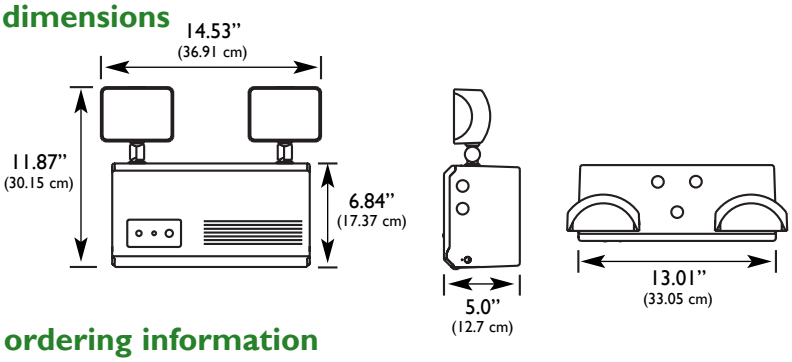
operating temperature range

Standard: 65°F (19°C) to 85°F (30°C), Damp Location: 32°F (0°C) to 104°F (40°C)

warranty

Electronics - three years full
Lead Calcium Battery - one year full, four years pro-rata; Nickel Cadmium Battery - five years full, five years pro-rata

dimensions



ordering information

SERIES	HOUSING	HEAD TYPE	# OF HEADS	MODEL DES.	OPTIONS[3]
6 VDC, Lead Calcium 6V12 = 12 W[2] 6V25 = 25 W 6V36 = 36 W[1] 6V50 = 50 W **6 VDC, Nickel Cadmium** 6VN25 = 25 W 6VN50 = 50 W **12 VDC, Lead Calcium** 2V25 = 25 W 2V36 = 36 W[2] 2V50 = 50 W **12 VDC, Nickel Cadmium** 2VN25 = 25 W 2VN50 = 50 W	W = White B = Black	**6 VDC Tungsten** J6 = 5.4 W J7 = 7 W J9 = 9 W **12 VDC Tungsten** J29 = 9 W J212 = 12 W J218 = 18 W Optional heads available, consult factory or refer to lamp heads page.	Blank = No Lamp Heads 1 = One Lamp Head 2 = Two Lamp Heads 3 = Three Lamp Heads	Blank = Standard Non-Diagnostic Unit SC = Smart Charger Diagnostics	A = Ammeter[3] BD = Battery Disconnect Switch[3] DL = Damp Location Listed[3] F1 = 120 VAC Input Fuse[3] F2 = 277 VAC Input Fuse[3] P1 = 120 VAC Power Switch[3] P2 = 277 VAC Power Switch[3] T = Self-Testing Diagnostics[3] TA = Audible Self-Testing Diagnostics[3] TD = Time Delay, 15 Minutes[3] V = Voltmeter[3]
ACCESSORIES (Ordered Separately) SCIR = Smart Charger Infra-Red Remote PVS = Polycarbonate Vandal Shield WG5 = Wire Guard		Note: 1) Not available with DL option. 2) Only available with non-diagnostic models. 3) Only available with Smart Charger models.			

Vectra Series

commercial/light industrial
6 volt, 25 to 100 watt units

commercial lighting

features

120/277 VAC, 60 Hz dual voltage input; 6 volt, 25 to 100 watt units
Maintenance-free, sealed lead calcium or nickel cadmium battery
Standard Smart Charger self-diagnostics, self-testing is optional (see page 77 for Smart Charger features)
Housing is constructed of 20 gauge (25 to 50 watt) or 18 gauge (75 to 100 watt) steel, corrosion-resistant, epoxy powder coat white finish
Illumination is accomplished with up to two lamp heads (25 to 50 watt units) mounted on the top or side, or three lamp heads (75 to 100 watt units) mounted on the top, side or bottom of the housing
UL 924 listed, UL Damp Location listing option, NFPA 101, NEC, BOCA, OSHA and IBC illumination standards
City of Chicago Approved (PRLH86 heads only), New York City Approved (consult factory for specific approvals)

electrical specifications

Input power requirements
6 Volt Lead Calcium: 25 to 100 Watt Units = 0.125 A (120 VAC), 0.060 A (277 VAC)
6 Volt Nickel Cadmium: 25 to 50 Watt Units = 0.159 A (120 VAC), 0.065 A (277 VAC)
75 Watt Units = 0.223 A (120 VAC), 0.094 A (277 VAC)

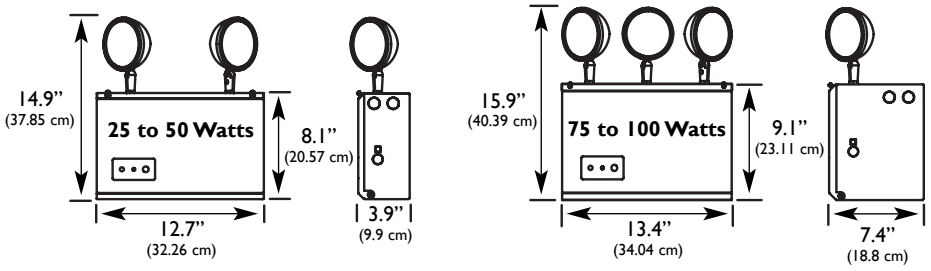
operating temperature range

Standard: 65°F (19°C) to 85°F (30°C), Damp Location: 32°F (0°C) to 104°F (40°C)

warranty

Electronics - three years full
Lead Calcium Battery - one year full, four years pro-rata; Nickel Cadmium Battery - five years full, five years pro-rata

dimensions



ordering information

			SC	
SERIES	**LAMP TYPE**	**# OF HEADS**	**MODEL DES.**	**OPTIONS[1]**
6 Volt, Lead Calcium V625 = 25 Watt V636 = 36 Watt V650 = 50 Watt V675 = 75 Watt V6100 = 100 Watt **6 Volt, Nickel Cadmium** V6N25 = 25 Watt V6N50 = 50 Watt V6N75 = 75 Watt	(Metal Chrome PAR 36) **6 VDC Tungsten** PRL86 = 8 Watt PRL186 = 18 Watt PRL256 = 25 Watt PRL306 = 30 Watt **6 VDC Halogen** PRLH66 = 6 Watt PRLH86 = 8 Watt PRLH126 = 12 Watt	3 = Three[4] 2 = Two 1 = One Blank = No Heads	SC = Smart Charger Self-Diagnostics	A = Ammeter BD = Battery Disconnect Switch BM = Lamp Heads Installed on Bottom of Enclosure[2] DL = UL Damp Location Listed (0°C to 40°C) EX = Special Input Transformer[1] (specify voltage & frequency) F1 = 120 VAC Input Fuse F2 = 277 VAC Input Fuse P1 = 120 VAC Power Switch P2 = 277 VAC Power Switch SM = Lamp Heads Installed on Side of Enclosure[3] SP = Special Paint, Specify Color T = Self-Testing Diagnostics TA = Audible Self-Testing Diagnostics TD = Time Delay, 15 Minutes V = Voltmeter

ACCESSORIES
(Ordered Separately)
SCIR = Smart Charger Infra-Red Remote
SSMP = Mounting Plate (25W-50W)
SMMP = Mounting Plate (75W-100W)
SKIT = Strapping Kit For Use With Mounting Plates To Affix To Columns, Poles and I-beams
WG5 = Wire Guard (25W-100W)

NOTE:
1) Some option combinations may impact UL listing. Consult factory for specifics.
2) Bottom mounted lamp heads (BM) available on 75 to 100 watt units only.
3) Side mounted lamp heads (SM) are not installed onto the enclosure at the factory.
4) 75 to 100 watt units only.

Vectra Series

commercial/light industrial
12 volt, 25 to 450 watt units

features

120/277 VAC, 60 Hz dual voltage input; 12 volt, 25 to 450 watt units
Maintenance-free, sealed lead calcium or nickel cadmium battery
Standard Smart Charger self-diagnostics, self-testing is optional (see page 77 for Smart Charger features)
Housing is constructed of 20 gauge (25 to 50 watt) or 18 gauge (75 to 450 watt) steel, corrosion-resistant, epoxy powder coat white finish
Illumination is accomplished with up to two lamp heads (25 to 50 watt units) mounted on the top or side, or three lamp heads (75 to 450 watt units) mounted on the top, side or bottom of the housing
UL 924 listed, UL Damp Location listing option, NFPA 101, NEC, BOCA, OSHA and IBC illumination standards, City of Chicago Approved, New York City Approved (consult factory for specific approvals)

electrical specifications

Input power requirements
12 Volt Lead Calcium: 50 to 200 Watt Units = 0.393 A (120 VAC), 0.173 A (277 VAC)
250 to 450 Watt Units = 0.560 A (120 VAC), 0.236 A (277 VAC)
12 Volt Nickel Cadmium: 25 to 50 Watt Units = 0.200 A (120 VAC), 0.094 A (277 VAC)
75 to 150 Watt Units = 0.433 A (120 VAC), 0.188 A (277 VAC)

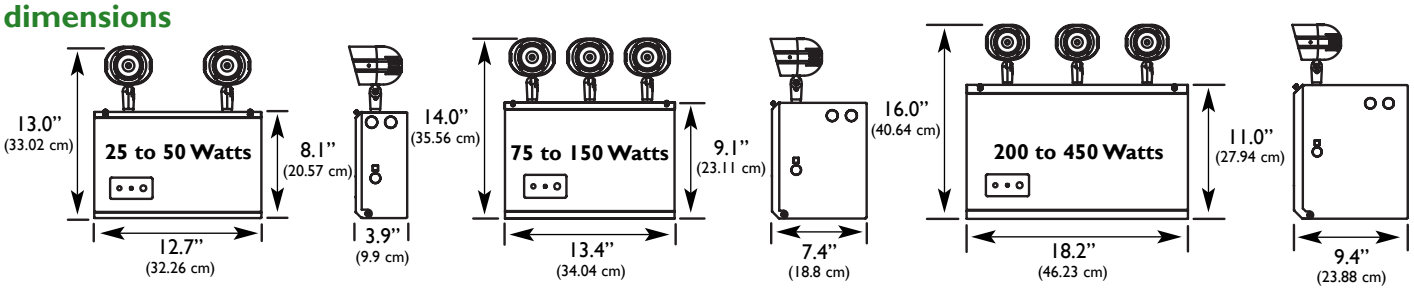
operating temperature range

Standard: 65°F (19°C) to 85°F (30°C), Damp Location: 32°F (0°C) to 104°F (40°C)

warranty

Electronics - three years full
Lead Calcium Battery - one year full, four years pro-rata; Nickel Cadmium Battery - five years full, five years pro-rata

dimensions



ordering information

			SC	
SERIES	**LAMP TYPE**	**# OF HEADS**	**MODEL DES.**	**OPTIONS[1]**
12 Volt, Lead Calcium V1250 = 50 Watt V1275 = 75 Watt V12100 = 100 Watt V12150 = 150 Watt V12200 = 200 Watt V12250 = 250 Watt V12300 = 300 Watt V12450 = 450 Watt **12 Volt, Nickel Cadmium** V12N25 = 25 Watt V12N50 = 50 Watt V12N75 = 75 Watt V12N100 = 100 Watt V12N125 = 125 Watt V12N150 = 150 Watt	(Metal Chrome PAR 36) **12 VDC Tungsten** PRL1212 = 12 Watt PRL1812 = 18 Watt PRL2512 = 25 Watt PRL3012 = 30 Watt **12 VDC Halogen** PRLH1212 = 12 Watt PRLH3012 = 30 Watt PRLH5012 = 50 Watt (MR16 Metal Lamp Heads) **12 VDC Halogen** M20 = 20 Watt, 40° M35 = 35 Watt, 25° M35F = 35 Watt, 40° Flood M50 = 50 Watt, 25° M50F = 50 Watt, 40° Flood (MR16 LED Heads) **12 VDC LED** M7F = 7 Watt, 35°	3 = Three[4] 2 = Two 1 = One Blank = No Heads	SC = Smart Charger Self-Diagnostics	A = Ammeter BD = Battery Disconnect Switch BM = Lamp Heads Installed on Bottom of Enclosure[2] DL = UL Damp Location Listed (0°C to 40°C) EX = Special Input Transformer[1] (specify voltage & frequency) F1 = 120 VAC Input Fuse F2 = 277 VAC Input Fuse P1 = 120 VAC Power Switch P2 = 277 VAC Power Switch SM = Lamp Heads Installed on Side of Enclosure[3] SP = Special Paint, Specify Color T = Self-Testing Diagnostics TA = Audible Self-Testing Diagnostics TD = Time Delay, 15 Minutes V = Voltmeter
		ACCESSORIES (Ordered Separately) SCIR = Smart Charger Infra-Red Remote SSMP = Mounting Plate (25W-50W) SMMP = Mounting Plate (75W-150W) SLMP = Mounting Plate (200W-450W) SKIT = Strapping Kit For Use With Mounting Plates To Affix To Columns, Poles and I-beams WG5 = Wire Guard (25W-150W) WG = Wire Guard (200W-450W)		

NOTE: 1) Some option combinations may impact UL listing. Consult factory for specifics. 2) Bottom mounted lamp heads (BM) available on 75 watt models and above. 3) Side mounted lamp heads (SM) are not installed onto the enclosure at the factory. 4) 75 to 450 watt units only.

Vectra Series

commercial/light industrial
24 volt, 100 to 450 watt units

features

120/277 VAC, 60 Hz dual voltage input; 24 volt, 100 to 450 watt units
Maintenance-free, sealed lead calcium
Standard Smart Charger self-diagnostics, self-testing is optional (see page 77 for Smart Charger features)
Housing is constructed of 18 gauge steel, corrosion-resistant, epoxy powder coat white finish
Illumination is accomplished with up to three lamp heads mounted on the top, side or bottom of the housing
UL 924 listed, UL Damp Location listing option, NFPA 101, NEC, BOCA, OSHA and IBC illumination standards
City of Chicago Approved, New York City Approved (consult factory for specific approvals)

electrical specifications

Input power requirements
24 Volt: 0.741 A (120 VAC), 0.312 A (277 VAC)

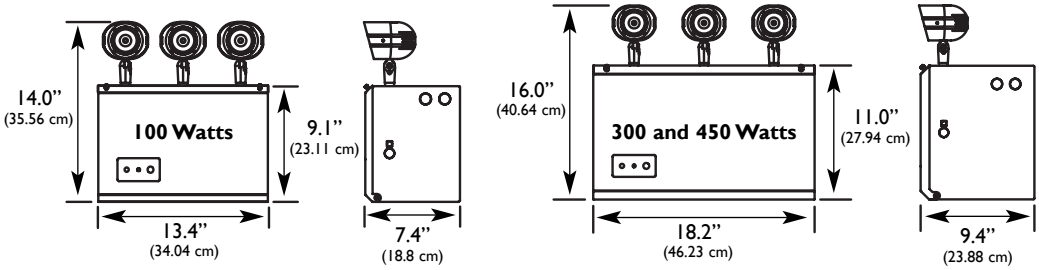
operating temperature range

Standard: 65°F (19°C) to 85°F (30°C), Damp Location: 32°F (0°C) to 104°F (40°C)

warranty

Electronics - three years full
Lead Calcium Battery - one year full, four years pro-rata

dimensions



ordering information

			SC	
SERIES	**LAMP TYPE**	**# OF HEADS**	**MODEL DES.**	**OPTIONS[1]**
24 Volt, Lead Calcium V24100 = 100 Watt V24300 = 300 Watt V24450 = 450 Watt	(MR16 Metal Lamp Heads) **24 VDC Halogen** M450 = 50 Watt, 40° (Metal Chrome Lamp Heads) **24 VDC PAR 36** HP = 50 Watt	3 = Three 2 = Two 1 = One Blank = No Heads	SC = Smart Charger Self-Diagnostics	A = Ammeter BD = Battery Disconnect Switch BM = Lamp Heads Installed on Bottom of Enclosure DL = UL Damp Location Listed (0°C to 40°C) EX = Special Input Transformer[1] (specify voltage & frequency) F1 = 120 VAC Input Fuse F2 = 277 VAC Input Fuse P1 = 120 VAC Power Switch P2 = 277 VAC Power Switch SM = Lamp Heads Installed on Side of Enclosure[2] SP = Special Paint, Specify Color T = Self-Testing Diagnostics TA = Audible Self-Testing Diagnostics TD = Time Delay, 15 Minutes V = Voltmeter
				NOTE: 1) Some option combinations may impact UL listing. Consult factory for specifics. 2) Side mounted lamp heads option (SM) are not installed onto the enclosure at the factory.
ACCESSORIES (Ordered Separately) SCIR = Smart Charger Infra-Red Remote SMMP = Mounting Plate (100W) SLMP = Mounting Plate (300W & 450W) SKIT = Strapping Kit For Use With Mounting Plates To Affix To Columns, Poles and I-beams WG5 = Wire Guard (100W) WG = Wire Guard (300W & 450W)				

Super Square II Series

self-contained, recessed or surface emergency lighting

features

120/277 VAC, 60 Hz dual voltage input
Maintenance-free, sealed lead calcium or nickel cadmium battery
Impact-resistant, UL 94 V-0, 5 VA thermoplastic frame and backbox
Surface, semi-recessed or fully recessed mounting
Optional semi-recessed backbox constructed of 22 gauge steel
S201N and S201L furnished with a 12 watt halogen lamp
S300N furnished with a 7 watt halogen lamp
UL 924 listed
NFPA 101, NEC, BOCA, OSHA and IBC illumination standards

electrical specifications

Input power requirements: 0.096 A (120 VAC), 0.04 A (277 VAC)

operating temperature range

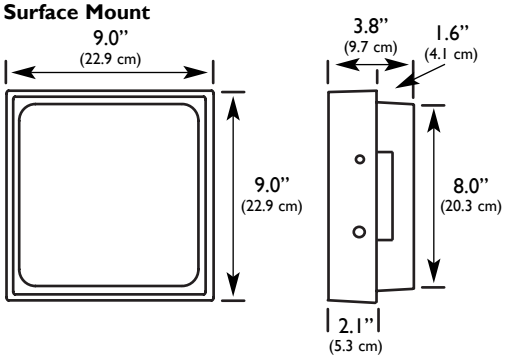
Standard Location: 65°F (19°C) to 85°F (30°C)

warranty

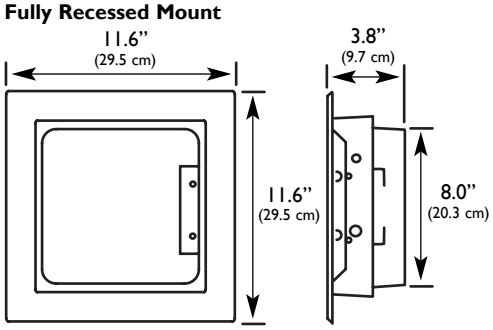
Electronics - three years full
Lead Calcium Battery - one year full, four years pro-rata; Nickel Cadmium Battery - five years full, five years pro-rata

dimensions

Surface Mount



Fully Recessed Mount



ordering information

SERIES/BATTERY	MOUNTING CONFIGURATION	OPTIONS
Master Units S201N = 6 Volt, 12 Watt, Nickel Cadmium Battery[1] S300N = 6 Volt, 26 Watt, Nickel Cadmium Battery[1] S201L = 6 Volt, 12 Watt, Lead Calcium Battery	Blank = Surface Mount FR = Fully Recessed (for semi-recessed installation, order SRK1 accessory)	V = Voltmeter PC = Polycarbonate Lens 2L = (2) 7 Watt Lamps (S300N only)
ACCESSORIES (Ordered Separately) SRK1 = Semi-Recessed Kit WG3 = Wire Guard for Surface Mount WG4 = Wire Guard for Fully Recessed Unit **Remote Units[2]** S400B = 6 Volt, 7 Watt, Surface Mount S400BFR = 6 Volt, 7 Watt, Fully Recessed S400C = 12 Volt, 12 Watt, Surface Mount S400CFR = 12 Volt, 12 Watt, Fully Recessed		

Note:
1) Nickel cadmium units are recommended for recessed applications.
2) Remote fixture only. Does not include emergency power source.

EG

**completely self-contained,
recessed gimbal emergency unit**

commercial lighting

features

120/277 VAC, 60 Hz dual voltage input
Maintenance-free, sealed lead calcium or nickel cadmium battery
Charging system is complete with low voltage disconnect, AC lockout, brownout protection, AC indicator lamp and test switch
All electronics are completely self-contained
Aluminum housing and gimbal assembly have a compact, low-profile design and white matte finish
Easily recessed into suspended ceilings
Model EG12C is City of Chicago Environmental Airspace (CCEA) listed
UL 924 listed
NFPA 101, NEC, BOCA, OSHA and IBC illumination standards

electrical specifications

Input power requirements: 0.08 A (120 VAC), 0.03 A (277 VAC)

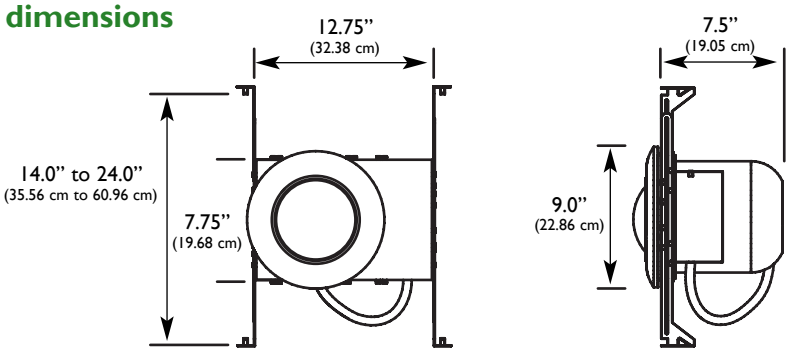
operating temperature range

Standard Location: 65°F (19°C) to 85°F (30°C)

warranty

Electronics - one year full
Lead Calcium Battery - one year full, four years pro-rata
Nickel Cadmium Battery - five years full, five years pro-rata

dimensions



ordering information

EG		
SERIES	**BATTERY TYPE**	**LAMP TYPE**
EG = Recessed Gimbal	Blank = Lead Calcium 12 Watts N = Nickel Cadmium	7 = 6 Volt, 7 Watt Tungsten 8 = 6 Volt, 8 Watt Halogen 12C = 6 Volt, 12 Watt Tungsten[1]
		NOTE: 1) 12C model only available with lead calcium battery.

ER6/ER12

low-profile, recessed, decorative emergency lighting

features

120/277 VAC, 60 Hz dual voltage input
Maintenance-free, sealed lead calcium or nickel cadmium battery
6 volt, 14 to 28 watt units
12 volt, 50 and 75 watt units
Fully recessed assembly for ceiling or wall installation
Optional bar hanger kit is available for mounting in suspended ceilings
Impact-resistant UL 94 V-0, 5 VA thermoplastic faceplate (6 volt units only)
Backbox constructed of 20 gauge galvanized steel with ½" conduit knockouts
Provided with two adjustable lamp heads
UL 924 listed, UL Damp Location listing option (12 V, 50 W models only)
NFPA 101, NEC, BOCA, OSHA and IBC illumination standards

electrical specifications

Input power requirements: 0.07 A (120 VAC), 0.03 A (277 VAC)

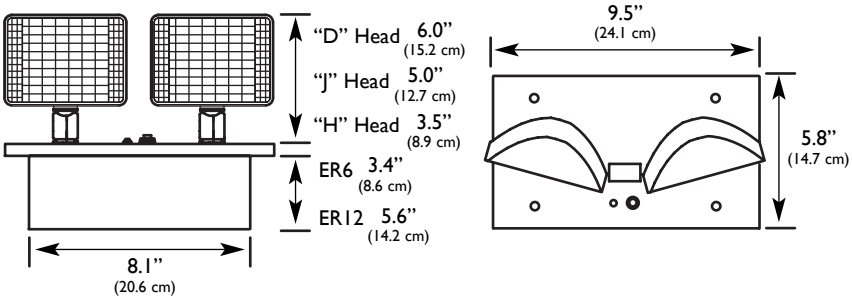
operating temperature range

Standard Location: 65°F (19°C) to 85°F (30°C)

warranty

Electronics - three years full
Lead Calcium Battery - one year full, four years pro-rata; Nickel Cadmium Battery - five years full, five years pro-rata

dimensions



ordering information

SERIES	# OF HEADS	LAMP HEADS	OPTIONS
Lead Calcium Units ER6 = 6 Volt, 18 Watt Unit ER625 = 6 Volt, 25 Watt Unit ER1250 = 12 Volt, 50 Watt Unit ER1275 = 12 Volt, 75 Watt Unit **Nickel Cadmium Units** ER6N14 = 6 Volt, 14 Watt Unit ER6N28 = 6 Volt, 28 Watt Unit	2 = Two 1 = One	**6 Volt - Rectangular Wedge Base** J66 = 5.4 W Tungsten J76 = 7.2 W Tungsten J96 = 9.0 W Tungsten **6 Volt - "H" Head** H76 = 7.0 W Halogen H126 = 12.0 W Halogen **6 Volt - Round Wedge Base** D66 = 5.4 W Tungsten D76 = 7.2 W Tungsten D96 = 9.0 W Tungsten DH76 = 7.0 W Halogen DH96 = 9.0 W Halogen DH126 = 12.0 W Halogen **6 Volt - Round Par 36 Sealed Beam** DS86 = 8.0 W Tungsten DSH86 = 8.0 W Halogen DSH126 = 12.0 W Halogen **12 Volt - Rectangular Wedge Base** J912 = 9 W Tungsten J1212 = 12.5 W Tungsten J1812 = 18 W Tungsten **12 Volt - "H" Head** H1212 = 12 W Halogen **12Volt - Round Par 36 Sealed Beam** DS1212 = 12.0 W Tungsten DSH812 = 8.0 W Halogen	A = Ammeter DL = Damp Location[1] TD = Time Delay V = Voltmeter[2] W = White Trim Plate B = Black Trim Plate[3]

ACCESSORIES
(Ordered Separately)
BHK1 = Bar Hanger Kit
PVS = Polycarbonate Vandal Shield
WG8 = Wire Guard

Note:
1) ER1250 units only.
2) Not available with ER6N28.
3) 12 volt units only.

Ceil-Pack II Series

low-profile recessed units

commercial lighting

features

120/277 VAC, 60 Hz dual voltage input
6 or 12 volt operation, 14 to 50 watt units
Maintenance-free, sealed lead calcium or nickel cadmium battery
Charging system is complete with low voltage disconnect, AC lockout, brownout protection, AC indicator lamp and test switch
Faceplate constructed of 18 gauge steel with a white epoxy powder coat finish, backbox is 20 gauge steel
Designed for easy drop-in installation into suspended ceilings
Allows up to four adjustable mounted lamp heads on the unit faceplate
Optional self-diagnostics
UL 924 listed, Chicago Approved City Plan No. 1879E
NFPA 101, NEC, BOCA, OSHA and IBC illumination standards

electrical specifications

Input power requirements: 0.150 A (120 VAC), 0.065 A (277 VAC)

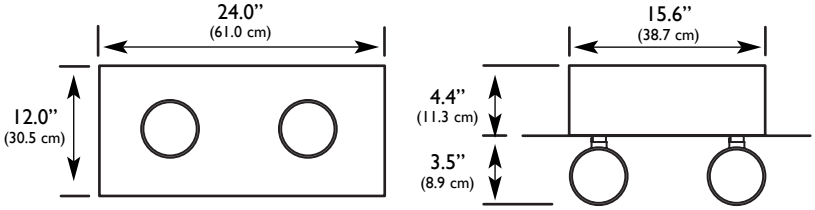
operating temperature range

Standard Location: 65°F (19°C) to 85°F (30°C)

warranty

Electronics - three years full
Lead Calcium Battery - one year full, four years pro-rata
Nickel Cadmium Battery - five years full, five years pro-rata

dimensions



ordering information

SERIES	# OF LAMP HEADS	LAMP HEADS	OPTIONS[1]
Lead Calcium Units CPL625 = 6 Volt, 25 Watts CPL650 = 6 Volt, 50 Watts CPL1250 = 12 Volt, 50 Watts **Nickel Cadmium Units** CPN614 = 6 Volt, 14 Watts CPN628 = 6 Volt, 25 Watts CPN1225 = 12 Volt, 25 Watts CPN1250 = 12 Volt, 50 Watts	4 = Four 3 = Three 2 = Two 1 = One 0 = No Heads	**6 Volt - Rectangular Wedge Base** J66 = 5.4 W Tungsten J76 = 7.2 W Tungsten J96 = 9.0 W Tungsten **12 Volt - Rectangular Wedge Base** J912 = 9.0 W Tungsten J1212 = 12.5 W Tungsten J1812 = 18.0 W Tungsten **6 Volt - "H" Head** H76 = 7.0 W Halogen H126 = 12.0 W Halogen **12 Volt - "H" Head** H1212 = 12 W Halogen Optional heads available, consult factory or refer to lamp heads page.	A = Ammeter[2] ACF1 = 120 VAC Fuse ACF2 = 277 VAC Fuse OT = OmniTest Self-Diagnostics OTAL = OmniTest with Alarm OTTD = OmniTest with Time Delay[3] TD1 = 120 VAC Time Delay[2,3] TD2 = 277 VAC Time Delay[2,3] V = Voltmeter[2]

Note:
1) Some option combinations may impact UL listing. Consult factory for specifics.
2) Not available with OT, OTTD or OTAL options.
3) 15 minute delay.

LPM

recessed emergency power for support of egress lighting

features

120/277 VAC, 60 Hz dual voltage input
Maintenance-free, sealed lead calcium battery
12 volt, 50 or 75 watt units to support remote loads
20 gauge galvanized steel backbox
12 gauge steel trim plate
Grid or sheetrock ceiling mount
UL 924 listed
UL Damp Location listing optional (50 watt models only)
NFPA 101, NEC, BOCA, OSHA and IBC illumination standards

electrical specifications

Input power requirements: 0.22 A (120 VAC), 0.11 A (277 VAC)

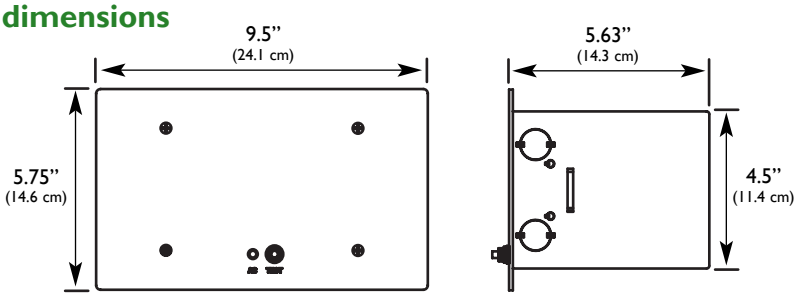
operating temperature range

Standard: 65°F (19°C) to 85°F (30°C), Damp Location: 50°F (10°C) to 104°F (40°C)

warranty

Electronics - three years full; Battery - one year full, four years pro-rata

dimensions



ordering information

LPM		L		
SERIES	**OUTPUT WATTAGE**	**BATTERY**	**HOUSING COLOR**	**OPTIONS**
LPM = LightGuard Power Module	50 = 50 Watt Unit 75 = 75 Watt Unit	L = Sealed Lead Calcium	W = White B = Black	DL = Damp Location* TD = Time Delay (15 min) * Damp location available on 50W version only.
ACCESSORIES (Ordered Separately) BHK1 = Bar Hanger Kit for Mechanical Ceilings				

UV16

vandal resistant, wet/damp location emergency lighting

features

120/277 VAC, 60 Hz dual voltage input
Maintenance-free, sealed lead calcium battery
Molded from high-impact, F1 rated polycarbonate
Simplified installation with snap-together backplate/housing
Illumination is supplied with two high-performance, 5.5 watt, 6 VDC, fully adjustable MR16 halogen lamps
UL 924 listed
UL Damp Location listed, UL Wet Location listing optional
NFPA 101, NEC, BOCA, OSHA and IBC illumination standards
Meets ADA specifications for wall mounted lighting fixtures

electrical specifications

Input power requirements
120 VAC: 0.05 A, 0.30 A with heater option
277 VAC: 0.02 A, 0.13 A with heater option

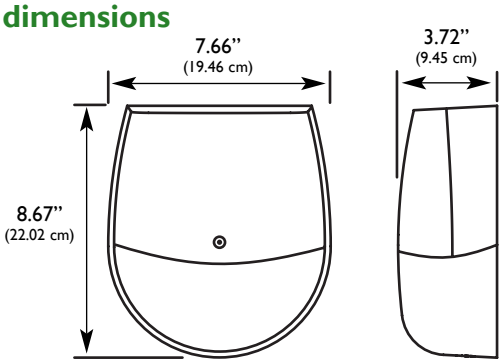
operating temperature range

Damp Location: 50°F (10°C) to 104°F (40°C)
Wet Location: 41°F (5°C) to 104°F (40°C)
Wet Location with Heater: -4°F (-20°C) to 104°F (40°C)

warranty

Electronics - three years full; Battery - one year full, four years pro-rata

dimensions



ordering information

UV16	L		
SERIES	**BATTERY**	**HOUSING COLOR**	**LOCATION LISTING**
UV16 = Unison Vandal Series, 11 Watt	L = Lead Calcium	W = White B = Black BZ = Bronze	Blank = Damp Location WL = Wet Location HR = Wet Location w/ Battery Heater
ACCESSORIES (Ordered Separately) T15TPTOOL = Tamperproof Tool			

Exterior AC/Emergency Fixtures

decorative emergency lighting units

features

120/277 VAC, 60 Hz dual voltage input
4 or 6 volt operation
Maintenance-free, sealed nickel cadmium battery
Low temperature ballast available on select models
Constructed of impact-resistant polycarbonate
Illumination is accomplished with compact fluorescent lamps in AC operation and wedge base incandescent lamps in emergency operation
NFPA 70 and NFPA 101, NEC, BOCA, OSHA and IBC illumination standards

electrical specifications

Input power requirements at 120 VAC
C30SEM: 0.15 A, 17 watts; C300EM: 0.15 A, 17 watts
C300WEM: 0.15 A, 17 watts
C1200EM: 0.30 A, 34 watts

operating temperature range

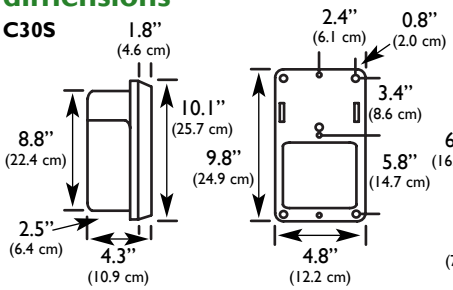
20°F (-7°C) to 95°F (35°C)

warranty

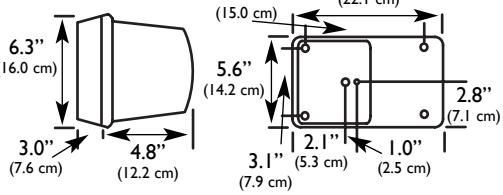
Electronics - three years full; Battery - five years full, five years pro-rata

dimensions

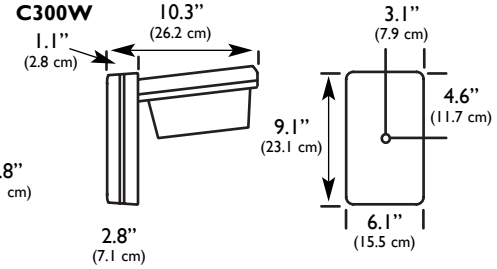
C30S



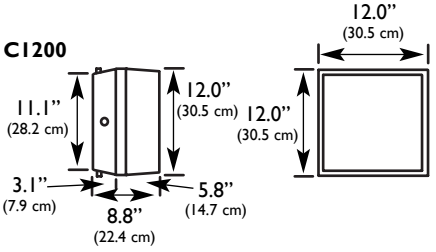
C300



C300W



C1200



ordering information

SERIES[1]	LENS TYPE	HOUSING	OPTIONS
C30SEM C300EM C300WEM C1200EM	C = Clear Prism O = Opal White	WH = White BR = Bronze BK = Black (see color chart)	TP = Tamperproof (requires T15TPTOOL) Z = Cold Weather Ballast (AC only) **Conduit Connections[2]** CT = Top Conduit Connection CB = Bottom Conduit Connection CR = Right Conduit Connection CL = Left Conduit Connection

Note: If product will be controlled by either lighting contactor, photocell or time clock, please consult factory to ensure compatibility.

Housing Color Availability

SERIES	BLACK	WHITE	BRONZE
C30SEM	YES	YES	YES
C300EM	YES	YES	YES
C300WEM	YES	NO	YES
C1200EM	NO	NO	YES

Note:
1) Matching non-emergency fixtures are available. Consult factory.
2) Not required for C30S - five knockouts already provided. C300 and C300W suit able for ½" or ¾" conduit. Specify conduit location relative to front view of luminaire.

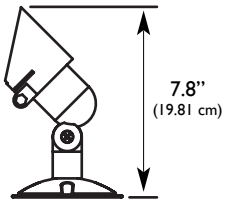
Outdoor Remote Lamp Heads

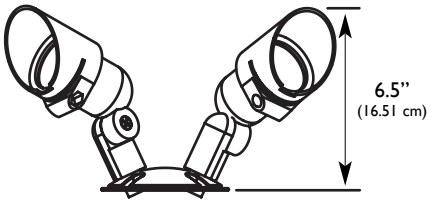
MR16 and lamp assemblies

features

Die Cast Aluminum MR16 Remote Lamp Head (LEF)

12 volt, 20, 35 or 50 watt MR16 lamps available; 12 volt, 7 watt MR16 LED lamp available
Constructed of durable die cast aluminum
Available in black or bronze
Single or double mounting plates available

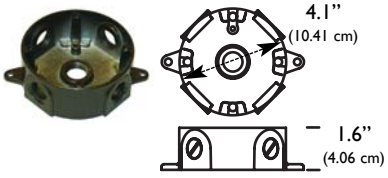


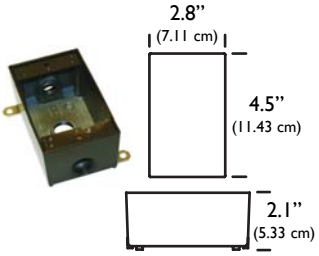


ordering information

LEF				
SERIES	**NUMBER OF HEADS**	**TYPE OF MOUNTING PLATE**	**COLOR**	**LAMP TYPE**
LEF = Decorative Outdoor Remote Head	1 = Single Remote Head 2 = Double Remote Head	R = 4" Round Mounting Plate S = Single Gang Rectangular Mounting Plate	BK = Black BZ = Bronze	**MR16 Halogen Lamps** 20WF = 12 Volt, 20 Watt Wide Flood 40° 35FL = 12 Volt, 35 Watt Flood 25° 35WF = 12 Volt, 35 Watt Wide Flood 40° 50FL = 12 Volt, 50 Watt Flood 25° 50WF = 12 Volt, 50 Watt Wide Flood 40° **MR16 LED Lamp** 7F = 12 Volt, 7 Watt Flood 35°

ACCESSORIES (Ordered Separately)
ORBBK = Outdoor 4" Round Surface Mount Junction Box, Black ORBBZ = Outdoor 4" Round Surface Mount Junction Box, Bronze OSBBK = Outdoor Single Gang, Surface/Recessed 2¾" x 4½" Junction Box, Black OSBBZ = Outdoor Single Gang, Surface/Recessed 2¾" x 4½" Junction Box, Bronze



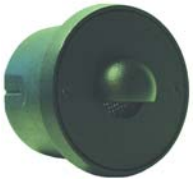


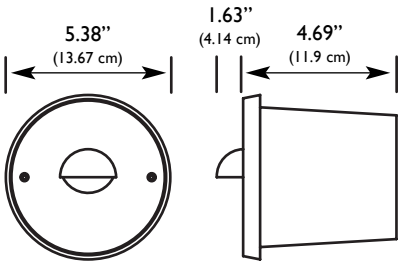
features

Die Cast Aluminum MR16 Recessed Lamp Head (LRE)

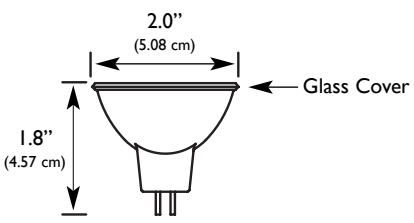
12 volt, 20, 35 or 50 watt MR16 lamps available (order as a separate item)
Constructed of durable die cast aluminum
Available in black or bronze
Masonry, concrete or deck mounting only

HOW TO ORDER
LREBK = Outdoor Remote Head Recessed, Black LREBZ = Outdoor Remote Head Recessed, Bronze





HOW TO ORDER
12MR20WFL = 12 Volt, 20 Watt, 40° Beam Spread 12MR35FL = 12 Volt, 35 Watt, 25° Beam Spread 12MR35WFL = 12 Volt, 35 Watt, 40° Beam Spread 12MR50FL = 12 Volt, 50 Watt, 25° Beam Spread 12MR50WFL = 12 Volt, 50 Watt, 40° Beam Spread



NightWatch LED Bollard

outdoor general/emergency LED lighting

features

Premium die cast aluminum light engine, fiberglass-reinforced polymer bollard, stainless steel exposed hardware
Standard powder coat finishes include black, bronze and white, with custom finishes also available
Energy-efficient, long-lasting, high-intensity, white LEDs offer even illumination
Each light engine utilizes three high-performance, white LEDs and can be applied from one to all four sides of the bollard
The bollard can be readily affixed by an anchor base, lag bolts or direct burial
The NightWatch Power System provides normal and emergency power support, sold separately (see page 72)
ETL listed to UL 1598 and 1838 standards

electrical specifications

Input power requirements: 10 watts per LED light engine

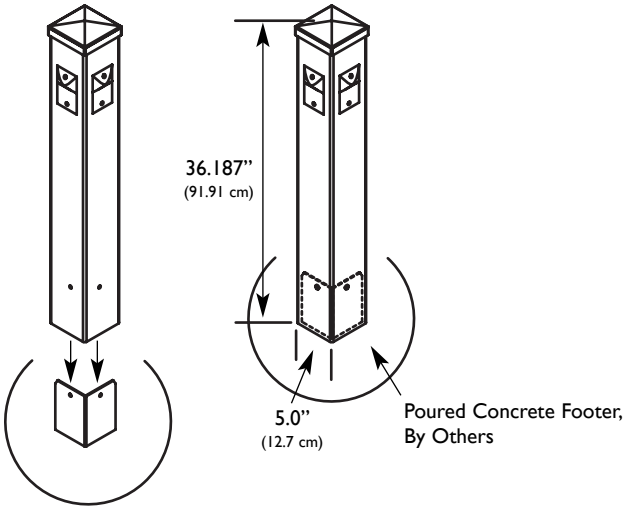
operating temperature range

Standard: -31°F (-35°C) to 104°F (40°C)

warranty

Electronics - three years full

dimensions



ordering information

NW					
SERIES	**BOLLARD FINISH**	**BASE TYPE**	**# LUMINAIRES & ORIENTATION**	**LUMINAIRE FINISH**	**INPUT VOLTAGE**
NW = NightWatch Bollard Series	BZ = Bronze BK = Black XX = Custom	A = Anchor Base D = Direct Burial L = Lag Bolt	190 = (1) @ 90 Degrees 290 = (2) @ 90 Degrees 390 = (3) @ 90 Degrees 490 = (4) @ 90 Degrees 2180 = (2) @ 180 Degrees	BK = Black BZ = Bronze WH = White XX = Custom	1 = 12 VAC/VDC 2 = 120 VAC
ACCESSORIES (Ordered Separately) NWPS1 = NightWatch Low Voltage Power System for Normal and Emergency Power Support (compatible with 12 VAC/VDC models only)					

Eclipse

outdoor forward throw cutoff luminaire with integral remote emergency lamp

features

120/208/240/277 VAC, 60 Hz, multi-tap input wiring
AC only or emergency operation
Constructed of premium die-cast aluminum with a powder coat finish
Stainless-steel torx head T25 tamperproof hardware included
Easy installation with pre-mountable wall box with integral splice chamber, built-in bubble level and a polarized low-voltage emergency power connector supplied with a 10 foot interconnect
Illumination is accomplished with one 100 watt, high-pressure sodium lamp or one 100 watt, metal halide lamp combined with a polished specular aluminum reflector with type 4 distribution
Normally on illumination may be switched or photocell controlled
Emergency illumination is accomplished with a 35 watt, instant strike Xenarc® lamp powered from a remote emergency battery unit
Emergency units require a remote 12 VDC power source such as LightGuard's LPM50LWDLTD (indoor/outdoor recessed ceiling mount) or V1250SCTD (indoor surface mount), sold separately
Wet Location listed
ETL listed to UL 924 and 1598 standards, CSA C22.2 No 141-02 and CSA C22.2 No 250.0-04 standards
NFPA 101, NEC, BOCA, OSHA and IBC illumination standards

electrical specifications

120/208/240/277 VAC, 60 Hz, multi-tap input wiring, 130 watts power consumption

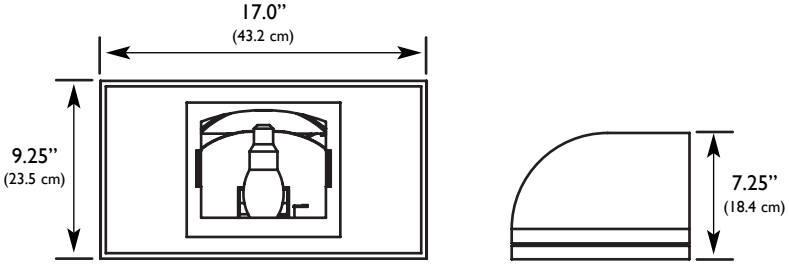
operating temperature range

Wet Location: -40°F (-40°C) to 104°F (40°C)

warranty

Five years (excludes lamps)

dimensions



ordering information

FTCL			BZ
SERIES	**AC LAMP TYPE**	**EMERGENCY FUNCTION[1]**	**HOUSING COLOR**
FTCL = Forward Throw Cutoff Luminaire	1H = 100 Watt, High-Pressure Sodium Lamp 1M = 100 Watt, Metal Halide Lamp	Blank = AC Only Fixture, No Emergency Lamp EM = 35 Watt, Instant Strike Xenarc® Lamp	BZ = Bronze
Note: 1) Requires a remote emergency power source of 12 VDC and at least 35 watts and TD to cover re-strike period.			

Xenarc® is a registered trademark of Osram Sylvania

Luminator Series

industrial and harsh environment emergency lighting NSF Standard 2 "Splash Zone" listed

features

120/277 VAC, 60 Hz dual voltage input
6 or 12 volt operation, 25 to 150 watts
Maintenance-free, sealed lead calcium or nickel cadmium battery
Constructed of impact-resistant, fiberglass-reinforced polyester, housing color is gray and includes stainless steel hardware
Ideal for locations where oil, water and dust-resistant equipment are required
Standard Smart Charger self-diagnostics, self-testing is optional (see page 77 for Smart Charger features)
UL 924 listed, UL Damp and Wet Location listed
NFPA 70, NFPA 101, NEC, BOCA, OSHA and IBC illumination standards, NSF Standard 2 "Splash Zone" listed

electrical specifications

Input power requirements
6 Volt: 25-50W - 0.157 A (120 VAC), 0.069 A (277 VAC); 75W - 0.222 A (120 VAC), 0.094 A (277 VAC)
12 Volt: 50-100W - 0.289 A (120 VAC), 0.135 A (277 VAC); 125W - 0.433 A (120 VAC), 0.188 A (277 VAC)
150W - 0.470 A (120 VAC), 0.203 A (277 VAC)

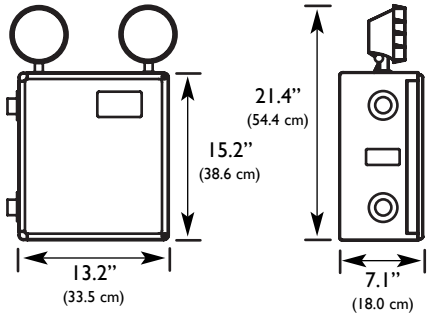
operating temperature range

Standard: 32°F (0°C) to 104°F (40°C)

warranty

Electronics - three years full
Lead Calcium Battery - one year full, four years pro-rata
Nickel Cadmium Battery - five years full, five years pro-rata

dimensions



ordering information

			SC	
SERIES	**LAMP HEAD**	**# OF HEADS**	**MODEL DESIGNATOR**	**OPTIONS[1]**
6 Volt, Lead Calcium LC25 = 25 Watt Unit LC50 = 50 Watt Unit LC75 = 75 Watt Unit **6 Volt, Nickel Cadmium** LN25 = 25 Watt Unit LN50 = 50 Watt Unit LN75 = 75 Watt Unit **12 Volt, Lead Calcium** LTC50 = 50 Watt Unit LTC75 = 75 Watt Unit LTC100 = 100 Watt Unit LTC125 = 125 Watt Unit LTC150 = 150 Watt Unit **12 Volt, Nickel Cadmium** LTN50 = 50 Watt Unit LTN75 = 75 Watt Unit LTN100 = 100 Watt Unit LTN125 = 125 Watt Unit LTN150 = 150 Watt Unit	**Tungsten** XM = 6V, 8W XN = 6V, 18W XO = 6V, 25W XQ = 12V, 12W XR = 12V, 18W XS = 12V, 25W **Halogen** XU = 6V, 8W XV = 6V, 12W XW = 12V, 8W XX = 12V, 12W X5 = 12V, 50W	3 = Three 2 = Two 1 = One Blank = No Heads	SC = Smart Charger Diagnostics	A = Ammeter BD = Battery Disconnect Switch F1 = 120 VAC Fuse F2 = 277 VAC Fuse P1 = 120 VAC Power Switch P2 = 277 VAC Power Switch S = Shatterproof Lexan Lamp Head Lens T = Self-Testing Diagnostics TA = Audible Self-Testing Diagnostics TD = Time Delay (15 minutes) V = Voltmeter
Note: 1) For self-testing models refer to options. 2) Some option combinations may impact UL listing. Consult factory for specifications.			**ACCESSORIES** (Ordered Separately) SCIR = Smart Charger Infra-Red Remote WG = Wire Guard	

Wet-Lok Series

industrial emergency lighting
6, 12 and 24 volt, 25 to 150 watts

features

120/277 VAC, 60 Hz dual voltage input
Maintenance-free, sealed lead calcium, pure lead or nickel cadmium battery
6 volt, 12 and 24 volt, 25 to 150 watt (24 volt system available in 100 watt capacity only)
Constructed of a gray, impact-resistant Lexan® with corrosion-resistant hardware
Internally mounted lamp heads are on the bottom for optimum path of egress illumination
Standard wall mount bracket; can be column, pole or I-beam mounted when used with the universal mounting kit accessory
Standard Smart Charger self-diagnostics, self-testing is optional (see page 77 for Smart Charger features)
UL 924 listed, UL Wet Location listed, NSF standard 2 "Splash Zone" listed, NEMA 250 (NEMA 4X classification)
NFPA 101, NEC, BOCA, OSHA and IBC illumination standards, IEC 61951-1 Life Testing (NiCad batteries), IEC 529 (60529) IP66

electrical specifications

Input power requirements
6 Volt and 12 Volt, Standard and 'H' - High Ambient Units: 0.319 A (120 VAC), 0.142 A (277 VAC)
6 Volt and 12 Volt, 'C' - Cold Ambient and 'E' - Extreme Ambient Units: 0.683 A (120 VAC), 0.305 A (277 VAC)
24 Volt Models: 0.507 A (120 VAC), 0.227 A (277 VAC)

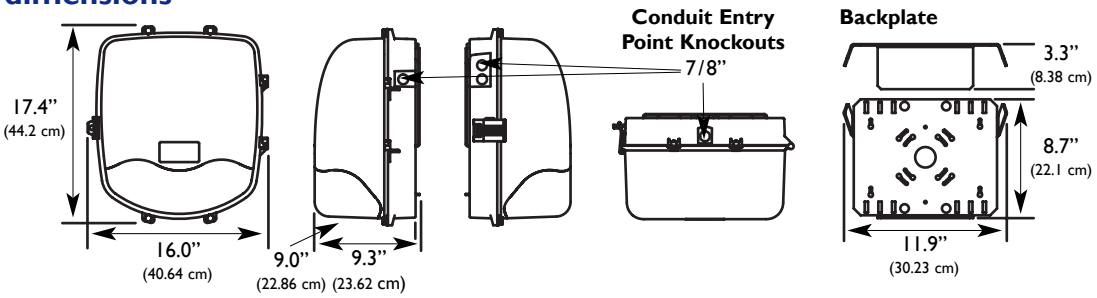
operating temperature range

Standard Wet Location Listed: 32°F (0°C) to 104°F (40°C); 'C' - Cold Ambient, Wet Location Listed: -40°F (-40°C) to 104°F (40°C)
'H' - High Ambient, Wet Location Listed: 32°F (0°C) to 131°F (55°C); 'E' - Extreme Ambient, Wet Location Listed: -40°F (-40°C) to 131°F (55°C)

warranty

Electronics - three years full
Lead Calcium/Pure Lead Battery - one year full, four years pro-rata; Nickel Cadmium Battery - five years full, five years pro-rata

dimensions



ordering information

WL						SC	
SERIES	**VOLTAGE**	**CAPACITY[1]**	**ENVIRON.*****	**LAMP DESIGNATOR**	**LAMP QTY**	**MODEL DES.**	**OPTIONS**
WL = Wet-Lok Series Industrial Emergency Lighting Fixture	6 = 6 Volts DC 2 = 12 Volts DC 4 = 24 Volts DC[1]	2 = 25 Watts 5 = 50 Watts 7 = 75 Watts 1 = 100 Watts[1] 12 = 125 Watts[3] 15 = 150 Watts[3]	See Capacity & Environment for Limited availability*** Blank = Wet Location Listed (0°C to 40°C) C = Cold Ambient Conditions, Wet Location Listed (-40°C to 40°C) H = High Ambient Conditions, Wet Location Listed (0°C to 55°C) E = Extreme Ambient Conditions, Wet Location Listed (-40°C to 55°C)	**6 Volt, PAR 36 Sealed Beam Tungsten** PA = 8 Watt PB = 18 Watt PC = 25 Watt PD = 30 Watt **6 Volt, PAR 36 Sealed Beam Halogen** PI = 8 Watt PJ = 12 Watt PP = 20 Watt **12 Volt, PAR 36 Sealed Beam Tungsten** PE = 12 Watt PF = 18 Watt PG = 25 Watt PH = 30 Watt **12 Volt, PAR 36 Sealed Beam Halogen** PK = 8 Watt PL = 12 Watt PM = 37 Watt PN = 50 Watt **24 Volt, Sealed Beam Tungsten** PO = 50 Watt	0 = No Heads 2 = Two Heads	SC = Smart Charger Diagnostics	A = Ammeter ACF1 = 120 Volt AC Input Fuse ACF2 = 277 Volt AC Input Fuse ACP1 = 120 Volt AC Disconnect Switch ACP2 = 277 Volt AC Disconnect Switch BDS = Battery Disconnect Switch EX = Special Input Transformer[2] (specify voltage & frequency) T = Self-Testing Diagnostics (non-audible) TA = Audible Self-Testing Diagnostics TD = Time Delay V = Voltmeter

*****CAPACITY AND ENVIRONMENT SELECTION**
C = 12V, 100W; 12V, 125W; 12V, 150W
H = 6V, 50W; 12V, 50W; 12V, 100W; 12V, 125W; 12V, 150W
E = 6V, 50W; 12V, 50W; 12V, 100W; 12V, 125W; 12V, 150W

All other configurations are standard wet location listed from 0°C to 40°C.

Note:
1) 24 volt systems only available in 100 watt configurations.
2) Certain option combinations may impact UL listing, consult factory.
3) 125 and 150 watt units available in 12VDC configurations only.

ACCESSORIES
(Ordered Separately)
NUMK = Universal Mounting Kit (column, pole, I-beam)
SCIR = Smart Charger Infra-Red Remote

Wet-Lok Series

industrial emergency lighting
12 and 24 volt, 200 to 450 watts

IP66 NEMA 4X

features

120/277 VAC, 60 Hz dual voltage input
Maintenance-free, sealed lead calcium or pure lead battery
12 and 24 volt, 200 to 450 watt (24 volt system available in 300 and 450 watt capacity only)
Constructed of a gray, impact-resistant Lexan® with corrosion-resistant hardware
Internally mounted lamp heads are on the bottom for optimum path of egress illumination
Standard wall mount bracket; can be column, pole or I-beam mounted when used with the universal mounting kit accessory
Standard Smart Charger self-diagnostics, self-testing is optional (see page 77 for Smart Charger features)
UL 924 listed, UL Wet Location listed, NSF standard 2 "Splash Zone" listed, NEMA 250 (NEMA 4X classification)
NFPA 101, NEC, BOCA, OSHA and IBC illumination standards, IEC 529 (60529) IP66

electrical specifications

Input power requirements	120 VAC	277 VAC	Input power requirements	120 VAC	277 VAC
12 Volt, Standard:	0.560 A	0.236 A	24 Volt, Standard:	0.697 A	0.304 A
12 Volt, 'C' - Cold Ambient:	0.984 A	0.422 A	24 Volt, 'C' - Cold Ambient:	1.343 A	0.594 A
12 Volt, 'H' - High Ambient:	0.463 A	0.192 A	24 Volt, 'H' - High Ambient:	0.741 A	0.312 A
12 Volt, 'E' - Extreme Ambient:	0.992 A	0.443 A	24 Volt, 'E' - Extreme Ambient:	1.256 A	0.548 A

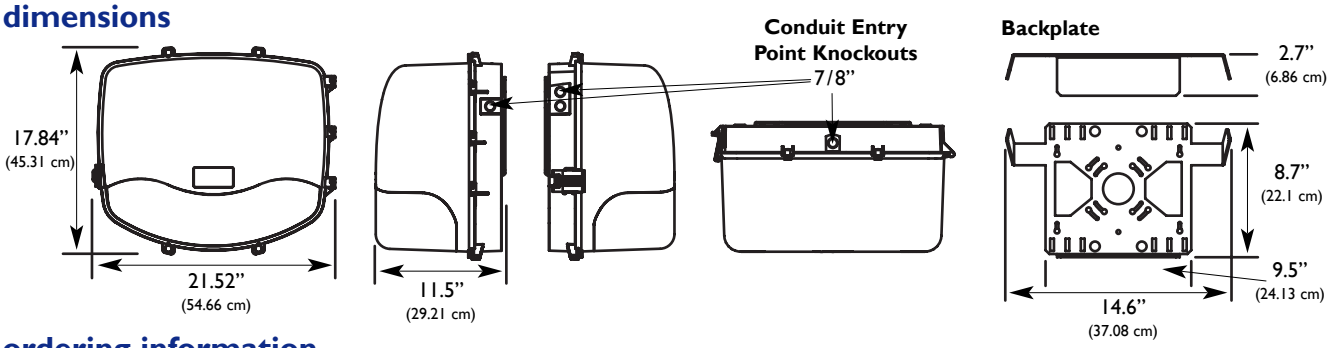
operating temperature range

Standard Wet Location Listed: 32°F (0°C) to 104°F (40°C); 'C' - Cold Ambient, Wet Location Listed: -40°F (-40°C) to 104°F (40°C)
'H' - High Ambient, Wet Location Listed: 32°F (0°C) to 131°F (55°C); 'E' - Extreme Ambient, Wet Location Listed: -40°F (-40°C) to 131°F (55°C)

warranty

Electronics - three years full; Lead Calcium/Pure Lead Battery - one year full, four years pro-rata

dimensions



ordering information

WL						SC	
SERIES	**VOLTAGE**	**CAPACITY**	**ENVIRON.*****	**LAMP DESIGNATOR**	**LAMP QTY**	**MODEL DES.**	**OPTIONS**
WL = Wet-Lok Series Industrial Emergency Lighting Fixture	2 = 12 Volts DC 4 = 24 Volts DC[2]	20 = 200 Watts 25 = 250 Watts 30 = 300 Watts 40 = 400 Watts 45 = 450 Watts	See Capacity & Environment for Limited Availability*** Blank = Wet Location Listed (0°C to 40°C) C = Cold Ambient Conditions, Wet Location Listed (-40°C to 40°C) H = High Ambient Conditions, Wet Location Listed (0°C to 55°C) E = Extreme Ambient Conditions, Wet Location Listed (-40°C to 55°C)	**12 Volt, PAR 36 Sealed Beam Tungsten** PE = 12 Watt PF = 18 Watt PG = 25 Watt PH = 30 Watt **12 Volt, PAR 36 Sealed Beam Halogen** PK = 8 Watt PL = 12 Watt PM = 37 Watt PN = 50 Watt **24 Volt, Sealed Beam Tungsten** PO = 50 Watt	0 = No Heads 2 = Two Heads 3 = Three Heads	SC = Smart Charger Diagnostics	A = Ammeter ACF1 = 120 Volt AC Input Fuse ACF2 = 277 Volt AC Input Fuse ACP1 = 120 Volt AC Disconnect Switch ACP2 = 277 Volt AC Disconnect Switch BDS = Battery Disconnect Switch EX = Special Input Transformer[1] (specify voltage & frequency) T = Self-Testing Diagnostics (non-audible) TA = Audible Self-Testing Diagnostics TD = Time Delay V = Voltmeter

*****CAPACITY AND ENVIRONMENT SELECTION**
C = 12V, 300W; 24V, 300W
H = 12V, 300W; 24V, 300W
E = 12V, 300W; 24V, 300W

All other configurations are standard wet location listed from 0°C to 40°C.

Note:
1) Certain option combinations may impact UL listing, consult factory.
2) 24 volt systems only available in 300 and 450 watt configurations.

ACCESSORIES
(Ordered Separately)
NUMK = Universal Mounting Kit (column, pole, I-beam)
SCIR = Smart Charger Infra-Red Remote

F100/F85

LEC-361 or LC-310 powered industrial duty emergency lighting

features

120/277 VAC dual voltage input
6 volt, 87 or 85 watt operation
Maintenance-free, sealed lead calcium batteries with a 10 (LC-310) or 20 (LEC-361) year expected service life
Charging system is complete with low voltage disconnect, brownout protection, AC indicator lamp and test switch
Constructed of 20 gauge steel housing and an 18 gauge steel cover with an epoxy powder coat finish
Illumination is accomplished with up to three polycarbonate or metal chrome lamp heads
Optional self-diagnostics
UL 924 listed
NFPA 101, NEC, BOCA, OSHA and IBC illumination standards

electrical specifications

Input power requirements: 120 VAC = 0.38 A, 277 VAC = 0.16 A

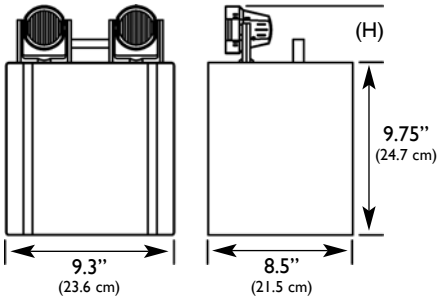
operating temperature range

65°F (19°C) to 90°F (32°C)

warranty

Electronics - three years full
LEC-361 Battery - five years full, ten years pro-rata; LC-310 Battery - three years full, seven years pro-rata

dimensions



Lamp Head	Height (H)
H	3.5" (8.9 cm)
X or Z	6.25" (15.9 cm)
PRL(H)	6.25" (15.9 cm)

ordering information

SERIES	# OF HEADS	LAMP HEAD TYPE	OPTIONS[1]
F100 = 6 Volt, 87 Watt Unit F85 = 6 Volt, 85 Watt Unit	3 = Three 2 = Two 1 = One Blank = No Heads	H76B = 6 Volt, 7 Watt H126B = 6 Volt, 12 Watt Optional heads available, consult factory or refer to lamp heads page.	EX = Special Input Transformer (specify voltage & frequency) OT = OmniTest Self-Diagnostics OTAL = OmniTest with Audible Alarm OTTD = OmniTest with Time Delay[2] RT = Remote Test[2] TD1 = 120 VAC Time Delay[2] TD2 = 277 VAC Time Delay[2]
			Note: 1) Some option combinations may impact UL listing. Consult factory for specifics. 2) 15 minute delay.

ACCESSORIES
(Ordered Separately)
PVS = Polycarbonate Vandal Shield
WG9 = Wire Guard
MBF = Mounting Plate for Side Stud
URT612 = Universal Remote Test (URT)[2]

B200G/B170G

LEC-361 or LC-310 powered industrial emergency lighting

features

120/277 VAC dual voltage input
12 volt, 174 or 170 watt operation
Maintenance-free, sealed lead calcium batteries with a 10 (LC-310) or 20 (LEC-361) year expected service life
Charging system is complete with low voltage disconnect, brownout protection, AC indicator lamp and test switch
Constructed of 18 gauge steel with an epoxy powder coat finish
Illumination is accomplished with up to three polycarbonate or metal chrome lamp heads
Optional self-diagnostics
UL 924 listed
NFPA 101, NEC, BOCA, OSHA and IBC illumination standards

electrical specifications

Input power requirements: 120 VAC = 0.40 A, 277 VAC = 0.17 A

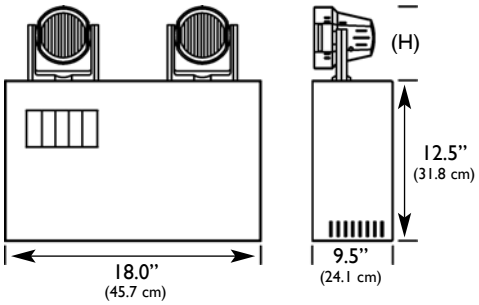
operating temperature range

65°F (19°C) to 90°F (32°C)

warranty

Electronics - three years full
LEC-361 Battery - five years full, ten years pro-rata; LC-310 Battery - three years full, seven years pro-rata

dimensions



Lamp Head	Height (H)
H	3.5" (8.9 cm)
X	6.25" (15.9 cm)
J	5.0" (12.7 cm)
D	6.0" (15.2 cm)
PRL(H)	6.25" (15.9 cm)

ordering information

SERIES	# OF HEADS	LAMP HEAD TYPE	OPTIONS[1]
B200G = 12 Volt, 174 Watt Unit B170G = 12 Volt, 170 Watt Unit	3 = Three 2 = Two 1 = One Blank = No Heads	H1212B = 12 Volt, 12 Watt Optional heads available, consult factory or refer to lamp heads page.	EX = Special Input Transformer (specify voltage & frequency) OT = OmniTest Self-Diagnostics OTAL = OmniTest with Audible Alarm OTTD = OmniTest with Time Delay[2] TD1 = 120 VAC Time Delay[2] TD2 = 277 VAC Time Delay[2]
ACCESSORIES (Ordered Separately) WG = Wire Guard MBBG = Mounting Bracket URT612 = Universal Remote Test (URT)[2]			Note: 1) Some option combinations may impact UL listing. Consult factory for specifics. 2) 15 minute delay.

N4X Series

industrial and harsh environment emergency lighting

features

120/277 VAC, 60 Hz dual voltage input
6 or 12 volt operation, 14 to 50 watts
Maintenance-free, sealed lead calcium or nickel cadmium battery
Charging system is complete with low voltage disconnect, AC lockout, brownout protection, AC indicator lamp and test switch
Constructed of impact-resistant, fiberglass-reinforced polyester
Includes two black, rectangular, thermoplastic 7 or 9 watt lamp heads externally mounted
Internally mounted white and black lamp heads available with "IH" option
Ideal for food processing and washdown areas
UL 924 listed, UL Wet or Damp Location listings optional
NFPA 101, NEC, BOCA, OSHA and IBC illumination standards, NSF standard 2 "Splash Zone" listed

electrical specifications

Input power requirements: 0.15 A (120 VAC), 0.07 A (277 VAC)

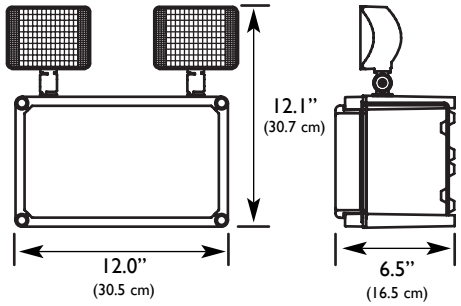
operating temperature range

Standard Location: 65°F (19°C) to 85°F (30°C), Damp/Wet Location: 50°F (10°C) to 104°F (40°C)

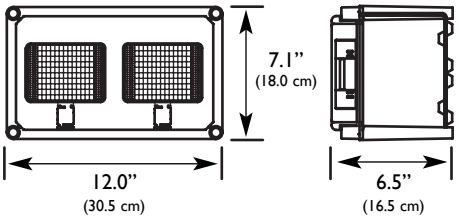
warranty

Electronics - three years full
Lead Calcium Battery - one year full, four years pro-rata; Nickel Cadmium Battery - five years full, five years pro-rata

dimensions



With Internal Heads (IH) Option



ordering information

N4X						
SERIES	**DC VOLTAGE**	**BATTERY**	**DC WATTAGE**	**LAMP TYPE**	**# OF HEADS**	**OPTIONS[1]**
N4X = N4X Series	6 = 6 Volt 12 = 12 Volt	L = Lead Calcium N = Nickel Cadmium	**Lead Calcium** **6 Volt** 18 = 18 Watts 25 = 25 Watts 36 = 36 Watts 50 = 50 Watts **12 Volt** 36 = 36 Watts 50 = 50 Watts **Nickel Cadmium** **6 Volt** 14 = 14 Watts 18 = 18 Watts 25 = 25 Watts 50 = 50 Watts **12 Volt** 50 = 50 Watts	**Specify for internal heads (IH) option only** **White Lamp Heads** H76W = 6 Volt, 7 Watt H126W = 6 Volt, 12 Watt J66 = 6 Volt, 5.4 Watt J76 = 6 Volt, 7.2 Watt J96 = 6 Volt, 9 Watt **Black Lamp Heads** H76B = 6 Volt, 7 Watt H126B = 6 Volt, 12 Watt J66B = 6 Volt, 5.4 Watt J76B = 6 Volt, 7.2 Watt J96B = 6 Volt, 9 Watt	2 = Two	EX = Special Input Transformer (specify voltage & frequency) IH = Internally Mounted Lamp Heads (specify head type**, up to 25W units only) TD1 = 120 VAC Time Delay[2] TD2 = 277 VAC Time Delay[2] TP = Tamperproof W = UL Wet Location Listing Z = UL Damp Location Listing
ACCESSORIES (Ordered Separately) EMF = External Mounting Feet NTPTOOL = Tamperproof Screwdriver PVS = Polycarbonate Vandal Shield WG5 = Wire Guard						Note: 1) Some option combinations may impact UL listing. Consult factory for specifics. 2) 15 minute delay.

LN4X Series

harsh environment emergency lighting

features

120/277 VAC, 60 Hz dual voltage input
6 volt, 15 watt unit
Maintenance-free, sealed lead calcium battery
Constructed of corrosion-resistant grey fiberglass
Illumination provided by two 6 VDC, 7.2 watt, fully adjustable Par 36 style lamp heads
UL 924 listed
UL Wet Location listed
NFPA 101, NEC, BOCA, OSHA and IBC illumination standards

electrical specifications

Input power requirements: 0.050 A (120 VAC), 0.021 A (277 VAC)

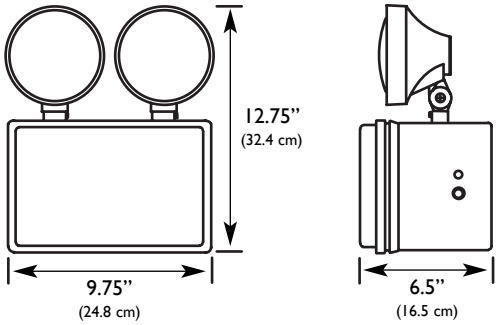
operating temperature range

44°F (5°C) to 104°F (40°C)

warranty

Electronics - one year full; Battery - one year full, four years pro-rata

dimensions



ordering information

LN4X
SERIES
LN4X = Corrosion-Resistant Emergency Lighting Unit 6 Volt, 15 Watt Emergency Lighting Fixture

LEC-361 & LC-310

maintenance-free, sealed lead calcium batteries

LEC-361 features

Expected service life of up to 20 years
Minimum of 58 ampere hour capacity
Battery casing made of 94 V-0 rated polycarbonate
Plate construction reduces charge resistance and allows the LEC-361 to re-charge quickly without damage
Extra-thick electrodes provide longer life and extremely reliable service throughout the product's design life
Never needs water addition, thus reducing maintenance time and cost
Ideal for low-rate, long-duration, emergency lighting applications
Rated for 150-200 discharge cycles

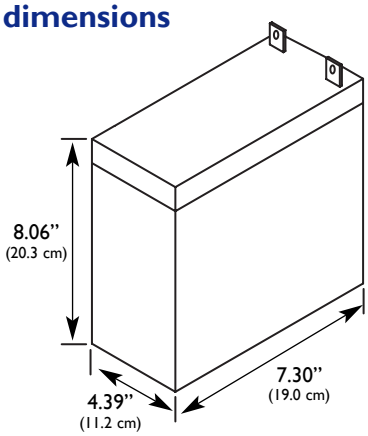
operating temperature range

Normal: 60°F (16°C) to 90°F (32°C)

warranty

Five years full, ten years pro-rata

dimensions



LEC-361 Discharge Wattage Capability to 5.25 VDC

30 MIN	1 HR	1.5 HR	2 HR	4 HR	8 HR	10 HR
355.0	205.3	163.0	121.8	71.3	39.7	32.4

Storage/Self Discharge Characteristics to 50% Capacity

TEMP (°F)	TIME (DAYS)
104	120
86	195
68	360
50	480

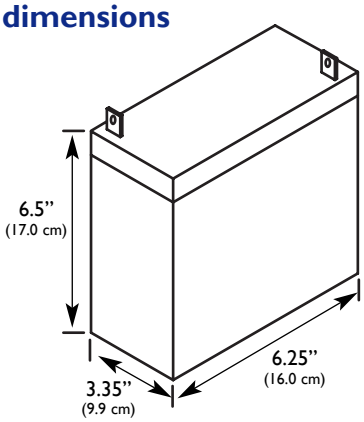
LC-310 features

Expected service life of 10+ years
Battery casing made of high-impact ABS plastic
Never needs water addition, thus reducing maintenance time and cost
Ideal for low-rate, long-duration, emergency lighting applications
LC-310 is a valve-regulated, absorbed electrolyte battery
Operates at low internal pressure and is tolerant of low temperatures

warranty

Three years full, seven years pro-rata

dimensions



LC-310 Discharge Wattage Capability to 5.25 VDC

30 MIN	1 HR	1.5 HR	2 HR	4 HR	8 HR
170	125	85	65	28	14

Storage/Self Discharge Characteristics to 50% Capacity

TEMP (°F)	TIME (DAYS)
100	120
80	180
60	300
40	365

Guard-Lite Series

Class I & II, Division 2
hazardous location emergency lighting

features

120/277 VAC, 60 Hz dual voltage input, 6 or 12 volt operation, 25 to 150 watts
Maintenance-free, sealed lead calcium or nickel cadmium battery
Constructed of impact-resistant, fiberglass-reinforced polyester
Suitable for use in Class I, Division 2, Groups A, B, C & D; Class I, Zone 2, Groups IIA, IIB (+ H_2) & IIC; and Class II, Division 2, Groups F & G
Standard Smart Charger self-diagnostics, self-testing is optional on self-powered models (see page 77 for Smart Charger features)
UL 924 and 844 listed, Temperature Rating (T-Rating) 160° (T3C), Class I, Zone 2 T-Rating 200° (T3)
NFPA 101, NEC, BOCA, OSHA and IBC illumination standards

electrical specifications

6 VDC 25 & 50 W Lead Calcium: 0.18 A (120 VAC), 0.08 A (277 VAC)
12 VDC 25, 50, 100 & 125 W Lead Calcium: 0.40 A (120 VAC), 0.18 A (277 VAC)
6 & 12 VDC 25 W Nickel Cadmium: 0.088 A (120 VAC), 0.042 A (277 VAC)
6 VDC 50 & 75 W Nickel Cadmium, 12 VDC 50 W Nickel Cadmium: 0.19 A (120 VAC), 0.084 A (277 VAC)
12 VDC 75 & 100 W Nickel Cadmium: 0.29 A (120 VAC), 0.14 A (277 VAC)
12 VDC 125 & 150 W Nickel Cadmium: 0.39 A (120 VAC), 0.18 A (277 VAC)

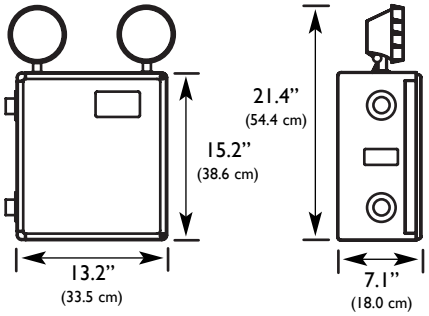
operating temperature range

Standard Location: 65°F (19°C) to 85°F (30°C)

warranty

Electronics - three years full
Lead Calcium - one year full, four years pro-rata; Nickel Cadmium Battery - five years full, five years pro-rata

dimensions



ordering information

			SC	
SERIES/BATTERY	**LAMP HEADS**	**HEADS**	**MODEL DES.**	**OPTIONS[1]**
6 Volt **Sealed Lead Calcium** GC25 = 25 Watt Unit GC50 = 50 Watt Unit **Sealed Nickel Cadmium** GN25 = 25 Watt Unit GN50 = 50 Watt Unit GN75 = 75 Watt Unit **12 Volt** **Sealed Lead Calcium** GTC25 = 25 Watt Unit GTC50 = 50 Watt Unit GTC100 = 100 Watt Unit GTC125 = 125 Watt Unit **Sealed Nickel Cadmium** GTN25 = 25 Watt Unit GTN50 = 50 Watt Unit GTN75 = 75 Watt Unit GTN100 = 100 Watt Unit GTN125 = 125 Watt Unit GTN150 = 150 Watt Unit	**6 VDC Tungsten** XA = 8 Watt XB = 18 Watt XC = 25 Watt **12 VDC Tungsten** XE = 12 Watt XF = 18 Watt XG = 25 Watt **6 VDC Halogen** XI = 8 Watt XJ = 12 Watt **12 VDC Halogen** XK = 8 Watt XL = 12 Watt	3 = Three 2 = Two 1 = One Blank = No Heads	SC = Smart Charger Diagnostics	A = Ammeter EX = Special Input Transformer (specify voltage & frequency) T = Self-Testing Diagnostics TA = Audible Self-Testing Diagnostics TD = Time Delay, 15 Minutes V = Voltmeter

Note:
1) Some option combinations may impact UL listing. Consult factory for specifics.

ACCESSORIES
(Order As A Separate Line Item)
SCIR = Smart Charger Infra-Red Remote
WG = Wire Guard

Guard-Lite Series

Class I & II, Division 2 hazardous location exit

features

120/277 VAC, 60 Hz dual voltage input, AC only and self-powered models
Maintenance-free, sealed nickel cadmium battery
Constructed of impact-resistant, fiberglass-reinforced polyester
Exit illumination is accomplished with energy-efficient, long-lasting, high-intensity LEDs that offer even illumination
Suitable for use in Class I, Division 2, Groups A, B, C & D; Class I, Zone 2, Groups IIA, IIB (+ H_2) & IIC; and Class II, Division 2, Groups F & G hazardous location areas
Offers several levels of protection against the elements including dust, dirt, and water
Standard Smart Charger self-diagnostics, self-testing is optional on self-powered models (see page 77 for Smart Charger features)
UL 924 and 844 listed, Temperature Rating (T-Rating) 160° (T3C), IEC 61951-1 Life Testing (batteries)
Class I, Zone 2 T-Rating 200° (T3)
NFPA 101, NEC, BOCA, OSHA and IBC illumination standards

electrical specifications

AC Only Red or Green: 0.032 A (120 VAC), PF = 0.95
0.014 A (277 VAC), PF = 0.88
Self-Powered Red or Green: 0.048 A (120 VAC), PF = 0.90
0.023 A (277 VAC), PF = 0.90

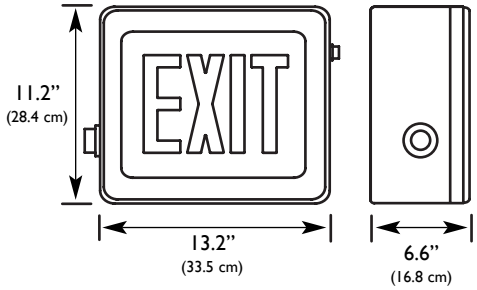
operating temperature range

Standard Location: 65°F (19°C) to 85°F (30°C)

warranty

Electronics - five years full; Battery - five years full, five years pro-rata

dimensions



ordering information

GX			SC	
SERIES	**BATTERY**	**LETTER COLOR**	**MODEL DES.[1]**	**OPTIONS[2]**
GX = Hazardous Location LED Exit	N = Nickel Cadmium A = AC Only	R = Red G = Green	SC = Smart Charger Diagnostics	BF = Buzzer/Flasher (self-powered models only) BZ = Buzzer (self-powered models only) EX = Special Input Transformer[2] (specify voltage & frequency) FA = Fire Alarm Activated Flasher FL = Flasher (self-powered models only) T = Self-Testing Diagnostics (non-audible, self-powered models only) TA = Audible Self-Testing Diagnostics (self-powered models only)

ACCESSORIES
SCIR = Smart Charger Infra-Red Remote
WG5 = Wire Guard

NOTE:
1) For self-testing models refer to options.
2) Some option combinations may impact UL listing. Consult factory for specifics.

Guard-Lite Series

Class I & II, Division 2 hazardous location combination exit

features

120/277 VAC, 60 Hz dual voltage input
Maintenance-free, sealed lead calcium battery
Constructed of impact-resistant, fiberglass-reinforced polyester
Accommodates two top-mounted lamp heads
Exit illumination is accomplished with energy-efficient, long-lasting, high-intensity LEDs that offer even illumination
Suitable for use in Class I, Division 2, Groups A, B, C & D; Class I, Zone 2, Groups IIA, IIB (+ H_2) & IIC; and Class II, Division 2, Groups F & G hazardous location areas
Offers several levels of protection against the elements including dust, dirt, and water
Standard Smart Charger self-diagnostics, self-testing is optional on self-powered models (see page 77 for Smart Charger features)
UL 924 and 844 listed, Temperature Rating (T-Rating) 160° (T3C)
Class I, Zone 2 T-Rating 200° (T3)
NFPA 101, NEC, BOCA, OSHA and IBC illumination standards

electrical specifications

6 V 18 W Red or Green: 0.133 A (120 VAC) PF = 0.80, 0.058 A (277 VAC) PF = 0.80
6 V 36 W Red or Green: 0.122 A (120 VAC) PF = 0.70, 0.053 A (277 VAC) PF = 0.70
6 V 72 W Red or Green: 0.129 A (120 VAC) PF = 0.80, 0.056 A (277 VAC) PF = 0.80

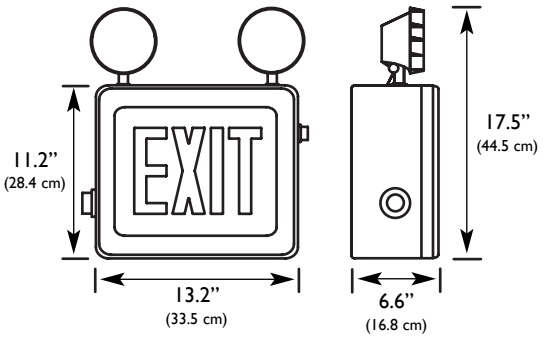
operating temperature range

Standard Location: 65°F (19°C) to 85°F (30°C)

warranty

Electronics - five years full; Battery - one year full, four years pro-rata

dimensions



ordering information

GX	6					SC	
SERIES	**VOLTAGE**	**BATTERY[3]**	**LETTER**	**# OF LAMPS**	**LAMP TYPE**	**MODEL DES.[1]**	**OPTIONS[2]**
GX = Hazardous Location LED Exit	6 = 6 VDC	**Lead Calcium** 18 = 18 W 36 = 36 W 72 = 72 W	R = Red G = Green	Blank = No Heads 1 = One Head 2 = Two Heads	**Tungsten** XA = 8 W XB = 18 W XC = 25 W **Halogen** XY = 6 W XI = 8 W XJ = 12 W	SC = Smart Charger Diagnostics	BF = Buzzer/Flasher (self-powered models only) BZ = Buzzer (self-powered models only) EX = Special Input Transformer[2] (specify voltage & frequency) FA = Fire Alarm Activated Flasher FL = Flasher (self-powered models only) S = Shatterproof Lamp Head Lens T = Self-Testing Diagnostics (non-audible, self-powered models only) TA = Audible Self-Testing Diagnostics (self-powered models only) TD = Time Delay

ACCESSORIES
SCIR = Smart Charger Infra-Red Remote
WG5 = Wire Guard

NOTE:
1) For self-testing models refer to options.
2) Some option combinations may impact UL listing. Consult factory for specifics.
3) Battery capacity to support local/remote load.

ESBS Series

Class I, II, & III, Division I explosion-proof emergency power unit

features

120/277 VAC dual voltage input
Maintenance-free, sealed nickel cadmium or pure lead battery
Copper-free cast aluminum enclosure designed to withstand the pressure of explosions generated by internal arc without propagating them into the hazardous atmosphere
ESBSPN14 power pack operates 7 watt compact fluorescent hazardous fixtures in both AC and emergency modes
ESBS30, ESBS50 and ESBS100 power units operate 6 volt and 12 volt incandescent hazardous fixtures in emergency mode only
Suitable for use in Class I, Division 1, Groups C & D, Zone 0, 1 & 2, Groups IIA, IIB + H_2 & IIC; Class I, Division 2, Groups C & D, Zone 2, Groups IIA, IIB + H_2 & IIC; Class II, Division 1, Groups E, F & G; Class II, Division 2, Groups F & G; Class III hazardous location areas
UL 924, 844, 1203 and 1604 listed
NFPA 101, NEC, BOCA, OSHA and IBC illumination standards

electrical specifications

ESBS30: (120 VAC) 0.15 A, 60 Hz, (120 VAC) 0.08 A, 60 Hz
ESBS50, ESBS100: (120 VAC) 0.33 A, 60 Hz, (120 VAC) 0.16 A, 60 Hz
ESBSPN14: (120 VAC) 0.50 A, 60 Hz, (120 VAC) 0.25 A, 60 Hz

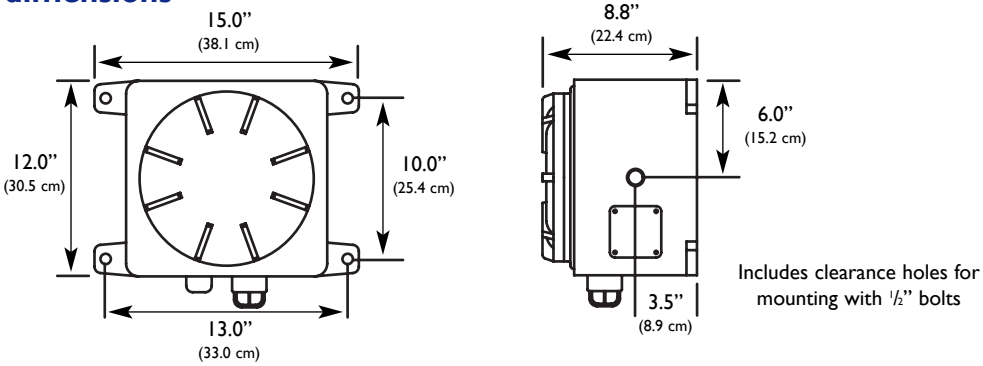
operating temperature range

Pure Lead Units: 65°F (19°C) to 85°F (30°C), Nickel Cadmium Units: 20°F (-7°C) to 95°F (35°C)

warranty

Electronics - three years full
Pure Lead Battery - one year full, four years pro-rata; Nickel Cadmium Battery - five years full, five years pro-rata

dimensions



ordering information

SERIES	OPTIONS
6 Volt, Nickel Cadmium ESBS30 = 28 Watt Power Pack, Incandescent Lamp Operation, Emergency Operation Only[2] ESBSPN14 = 14 Watt Power Pack, Compact Fluorescent Lamp Operation, AC & Emergency Operation[1] **6 Volt, Pure Lead** ESBS100 = 85 Watt Power Pack, Incandescent Lamp Operation, Emergency Operation Only[2] **12 Volt, Nickel Cadmium** ESBS50 = 50 Watt Power Pack, Incandescent Lamp Operation, Emergency Operation Only[3]	EX = Special Input Transformer (specify voltage & frequency) TD1 = 120 VAC Time Delay[4] TD2 = 277 VAC Time Delay[4]

Note:
1) For "Normally On", use exclusively with HAZWP7, HAZCP7, and HAZPP7 remotes. Maximum remote distance is 8 feet.
2) For "Normally Off", use exclusively with HAZ Series 6 VDC remotes.
3) For "Normally Off", use exclusively with HAZ Series 12 VDC remotes.
4) 15 minute delay.

Explosion Proof Lighting Fixtures

hazardous location, remote emergency lighting fixtures for use with ESBS series

features

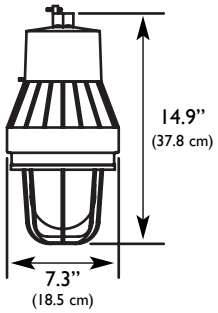
Illumination is accomplished with halogen incandescent or compact fluorescent lamps protected with a high-impact, heat-resistant globe and cast aluminum globe guard
Compatible with medium base incandescent or 13 watt compact fluorescent lamps for non-emergency application
Copper-free, cast aluminum enclosure designed to withstand the pressure of explosions generated by internal arc without propagating them into the hazardous atmosphere
Wall, ceiling or pendant mount, optional exit accessory
Suitable for use in Class I, Div. 1 & 2, Groups C & D; Class I, Zone 1 & 2, Groups IIB & IIA; Class II, Div. 1 & 2, Groups E, F & G; Class III, Div. 1 & 2 hazardous location areas
Temperature performance rating T6 (maximum ambient temperature 160°)
UL listed to 924 and 844
NEMA 3, 4, 4X, suitable for Wet Locations
NFPA 70, NFPA 101, NEC, BOCA, OSHA and IBC illumination standards

warranty

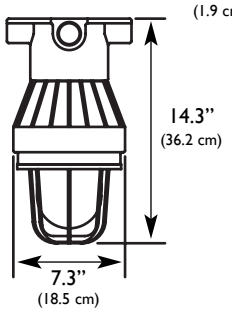
Three years full

dimensions

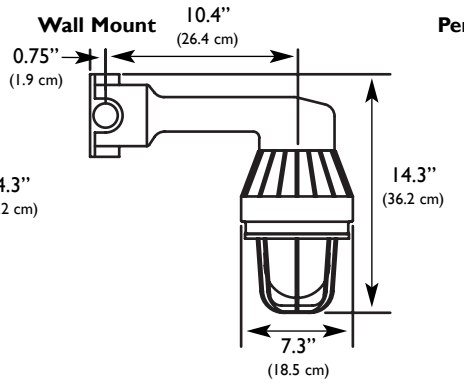
Pendant Mount



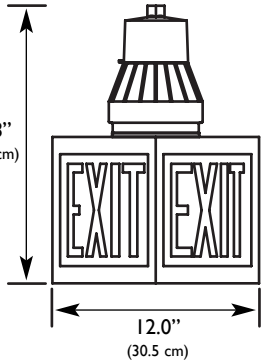
Ceiling Mount



Wall Mount



Pendant Mount with Optional Exit Accessory



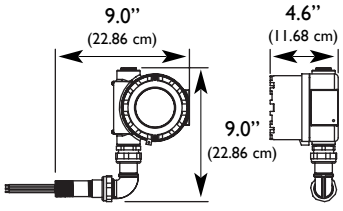
ordering information

HAZ			
SERIES	**MOUNTING**	**LAMP WATTAGE**	**VOLTAGE[1]**
HAZ = Hazardous Fixture	P = Pendant C = Ceiling W = Wall	**AC Only Non-Emergency** Blank = Incandescent P13 = 13W Compact Fluorescent P26 = (2) 13W Compact Fluorescent **Emergency Only Incandescent** 76 = 6V, 7W Halogen 106 = 6V, 10W Halogen 126 = 6V, 12W Halogen 1212 = 12V, 12W Halogen **AC/Emergency Compact Fluorescent** P7 = 7W Compact Fluorescent[2]	**AC Only Incandescent** Blank = AC Only **Compact Fluorescent** 120 = 120 VAC 277 = 277 VAC
ACCESSORIES (Ordered Separately) AR = 25° Angle Dome Reflector EFK = Exit Accessory Kit (red letter only) OB3 = 3-Way Explosion Proof ¾" Conduit Hub SDR = Straight Dome Reflector SEA = Swivel Elbow Arm for Use with Pendant Mount Fixture to Connect to OB3 or ESBS Unit			

Note:
1) Voltage designation required only for non-emergency luminaires utilizing compact fluorescent lamps (not included). Incandescent, non-emergency models use (1) 150W A19 lamp (not included).
2) For "Normally On" use exclusively with ESBSPN14 Emergency Power Unit. Maximum remote mount distance is 8 feet.

EVLA12
SERIES
EVLA12 = 12V, 12W Directional Head

EVLA12



Explosion Proof Self-Contained Emergency Lighting

wall, ceiling or pendant mount hazardous location

features

120/277 VAC dual voltage input
Copper-free, cast aluminum enclosure designed to withstand the pressure of explosions generated by internal arc without propagating them into the hazardous atmosphere
Includes four maintenance-free, lead calcium batteries to provide 12 VDC output of 60 watts for 90 minutes
Each high-intensity lamp can be independently adjusted to provide custom emergency lighting to a specific area
Suitable for use in Class I, Division 1, Groups C & D, Zone 0, 1 & 2, Groups IIA, IIB + H_2 & IIC; Class I, Division 2, Groups C & D, Zone 2, Groups IIA, IIB + H_2 & IIC; Class II, Division 1, Groups E, F & G; Class II, Division 2, Groups F & G; Class III hazardous location areas
UL listed to 924 and 844
NEMA rated 7CD and 9EFG areas
Temperature performance rating T6 - Class I, T5 - Class II (max. ambient temperature 160°)
NFPA 70, NFPA 101, NEC, BOCA, OSHA and IBC illumination standards

electrical specifications

Input power requirements: 0.50 A (120 VAC), 0.22 A (277 VAC)

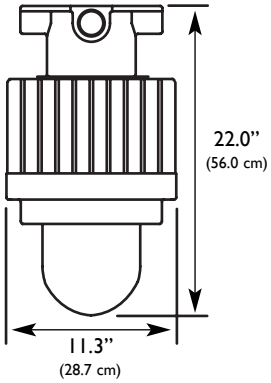
operating temperature range

Lead Calcium Units: 65°F (19°C) to 85°F (30°C)

warranty

Electronics - three years full; Battery - one year full, four years pro-rata

dimensions



ordering information

HAZ		6012
SERIES	**MOUNTING CONFIGURATION**	**LAMP WATTAGE/VOLTAGE**
HAZ = HAZ Series	P = Pendant C = Ceiling W = Wall	6012 = (3) 12V, 20W Halogen
		ACCESSORIES (Ordered Separately) EFK = Exit Accessory Kit (red letter only)

LEX Series

hazardous location edge-lit exit sign

features

120/277 VAC, 60 Hz dual voltage input, AC only and self-powered models
Copper-free, cast aluminum enclosure designed to withstand the pressure of explosions generated by internal arc without propagating them into the hazardous atmosphere
Normal and emergency illumination is accomplished with energy-efficient, long-lasting, high-intensity LEDs that offer even illumination
Red or green lettering on a single or double face acrylic panel; wall/pendant or end mount configurations
Suitable for use in Class I, Div. 1, Groups C & D; Class I, Div. 2, Groups A, B, C & D; Class II, Div. 1 & 2, Groups E, F & G; and Class III, Zone 1, Groups IIA & IIB; Class I, Zone 2, Groups IIA, IIB, + H_2 & IIC hazardous location areas
UL 924 and 844 listed, UL 1598/A Marine rated, IP65
Temperature Class (T-Rating)-T6
NFPA 101, NEC, BOCA, OSHA and IBC illumination standards

electrical specifications

AC-Only Red: 0.012 amps (120 VAC), 0.005 amps (277 VAC)
AC-Only Green: 0.019 amps (120 VAC), 0.008 amps (277 VAC)
Self-Powered Red: 0.020 amps (120 VAC), 0.009 amps (277 VAC)
Self-Powered Green: 0.025 amps (120 VAC), 0.011 amps (277 VAC)

operating temperature range

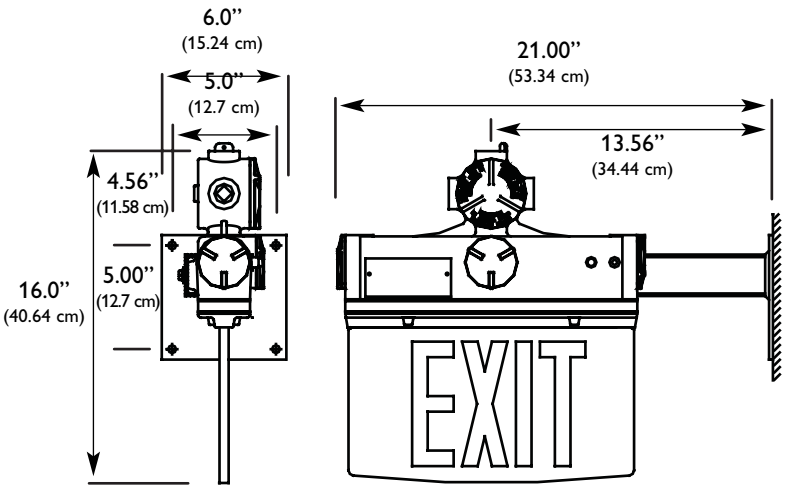
50°F (10°C) to 104°F (40°C)

warranty

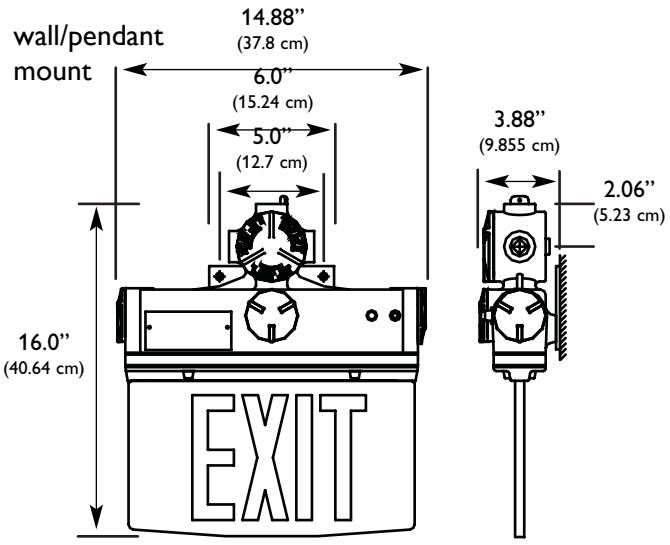
Electronics - five years full; Battery - five years full, five years pro-rata

dimensions

end mount



wall/pendant mount



ordering information

LEX				
SERIES	**MODE OF OPERATION**	**# OF FACES**	**LEGEND COLOR**	**MOUNTING CONFIGURATION**
LEX = Class I, Div 1 LED Exit Sign	A = AC Only N = Self-Powered	1 = Single Face 2 = Double Face	R = Red G = Green	WPM = Wall/Pendant Mount EMB = End-Mount Bracket

DP Series

dust-proof lighting fixtures for remote or emergency lighting applications

features

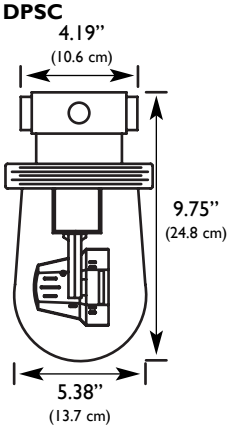
Available in 6 VDC, 12 VDC or 120 VAC voltage configurations
120 VAC configuration is ideal when using an AC inverter/UPS emergency lighting system
Constructed of corrosion-resistant, cast aluminum alloy with an epoxy polyester finish
Illumination is accomplished with halogen or incandescent lamps that are adjustable to 360°
DPEM1(2) fixture is designed for direct mounting to the ESBS battery unit (ESBS unit not included)
Suitable for use in Class II, Division 1 & 2, Groups E, F & G and Class III areas
Temperature performance rating is T3B
Supply wire rating 150°C

warranty

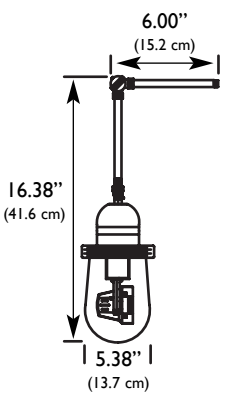
Electronics - three years full

dimensions

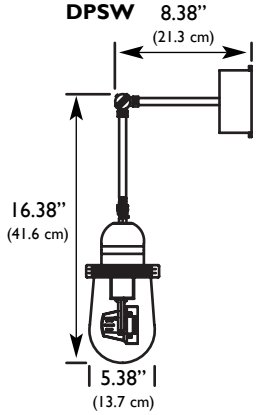
DPSC



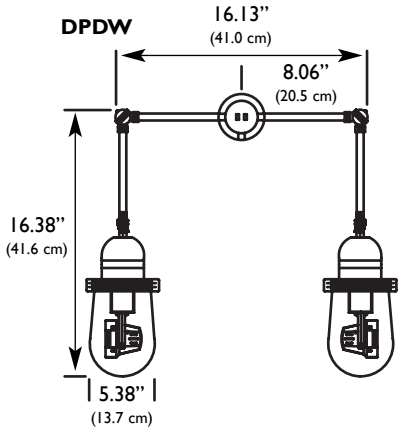
DPEM



DPSW



DPDW



ordering information

DP			
SERIES	**FIXTURE TYPE**	**VOLTAGE**	**OPTIONS**
DP = Dust-Proof Fixture	SC = Ceiling Mount EM = End Mount SW = Single Wall Remote DW = Double Wall Remote	1 = 6 VDC, 12W[2] 2 = 12 VDC, 12W[2] 3 = 120 VAC[1]	WGG = Wire Guard for Globe Only
Note: 1) Uses (1) 150W A19 medium base lamp (not included). 2) Uses (1) 6 OR 12 VDC, 12W halogen lamp (included).			

Vintage Series

edge-lit exit with LED illumination

features

120/277 VAC, 60 Hz dual voltage input, AC only and self-powered models
Maintenance-free, sealed nickel cadmium battery (battery option)
Premium die cast aluminum housing available in a wide range of architectural finishes (see page 5 for color examples)
Panel manufactured from high-impact acrylic and silk-screened using computer generated artwork
Panel is available in 6" or 8" letter heights, universal self-adhesive chevrons are standard
Standard Smart Charger self-diagnostics, self-testing is optional on self-powered emergency models (see page 77 for Smart Charger features)
Standard mounting capabilities include: recessed ceiling, surface ceiling, surface end and surface wall mount
Normal and emergency illumination is accomplished with energy-efficient, long-lasting, high-intensity LEDs that offer even illumination
UL 924 listed, UL Damp Location listed, certified to the California Energy Commission in accordance with California law
NFPA 101, NEC, BOCA, OSHA and IBC illumination standards, meets ADA specifications for wall mounted lighting fixtures

electrical specifications

AC Only Red: 3.80 watts (120 VAC), PF = 0.96
3.80 watts (277 VAC), PF = 0.91
AC Only Green: 4.00 watts (120 VAC), PF = 0.95
4.00 watts (277 VAC), PF = 0.90

Self-Powered Red: 4.70 watts (120 VAC), PF = 0.95
4.81 watts (277 VAC), PF = 0.97
Self-Powered Green: 4.71 watts (120 VAC), PF = 0.95
4.67 watts (277 VAC), PF = 0.99

operating temperature range

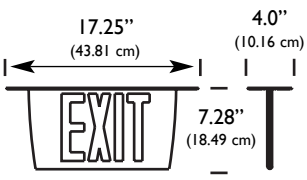
32°F (0°C) to 104°F (40°C)

warranty

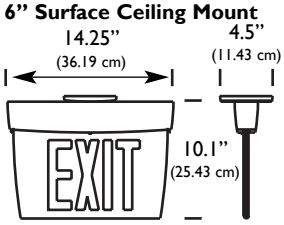
Electronics - five years full; Battery - five years full, five years pro-rata

dimensions (also available in 8" panel)

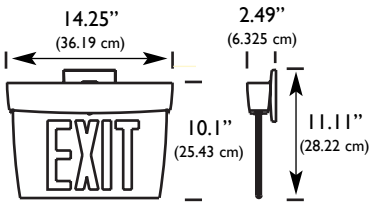
6" Recessed Ceiling Mount



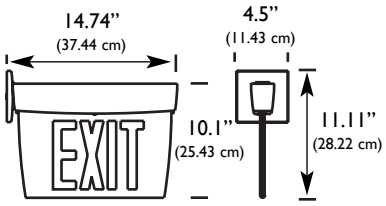
6" Surface Ceiling Mount



6" Surface Wall Mount



6" Surface End Mount



ordering information

					SC	
SERIES	**LEGEND**	**LETTER/BACKGROUND**	**HOUSING**	**# OF FACES**	**MODEL DES.[1]**	**OPTIONS**
VA = Vintage AC Only LED Exit VN = Vintage Self-Powered LED Exit	6 = 6" Exit 8 = 8" Exit	RC = Red/Clear[5] GC = Green/Clear[5] RW = Red/White GW = Green/White RM = Red/Mirror GM = Green/Mirror	W = White B = Black A = Brushed Aluminum G = Gunmetal BR = Ornamental Bronze AC = Aged Copper VG = Velvet Green N = Nickel GR = Granite PA = Painted Aluminum	1 = Single Face 2 = Double Face X = Less Panel[4]	SC = Smart Charger Diagnostics	2CKT1 = 120 VAC Two Circuit (AC only models) 2CKT2 = 277 VAC Two Circuit (AC only models) BF = Buzzer/Flasher (self-powered models only) BZ = Buzzer (self-powered models only) DC = 12-48 VDC Input (AC only models) EX = Special Input Transformer (specify voltage & frequency)[2] FA = Fire Alarm Activated Flasher FL = Flasher (self-powered models only) LBB = Unit Less Backbox[3] T = Self-Testing Diagnostics (non-audible) TA = Audible Self-Testing Diagnostics SW = Special Wording (consult factory)[2]

ACCESSORIES
(Ordered Separately)
BBKIT = Backbox Rough-In Kit**
BBKITDC = Backbox Rough-In Kit with DC Option**
BBKIT2CKT1 = Backbox Rough-In Kit with 2CKT1 Option**
BBKIT2CKT2 = Backbox Rough-In Kit with 2CKT2 Option**
SCIR = Smart Charger Infra-Red Remote
PKIT12B = Pendant Kit, 12" Black*
PKIT12W = Pendant Kit, 12" White*

Note:
1) For self-testing models refer to options.
2) Some option combinations may impact UL listing. Consult factory for specifics.
3) Required model number for units with backboxes installed on the job.
4) Order when panels are not required at time of installation. Consult factory for edge-lit panel order number.
5) Clear background only available on single face.

Note:
*Custom pendant lengths and colors available, consult factory.
**BBKIT supplied with a clear coat finish for installation above a finished ceiling. Must order remainder of product with "LBB" suffix.

Vintage Series

edge-lit special wording signage with LED illumination

features

120/277 VAC, 60 Hz dual voltage input
AC only operation
Offers an endless amount of computer-generated custom graphics and wording to match your wayfinding or informational needs
Premium die cast aluminum housing available in a wide range of architectural finishes (see page 5 for color examples)
Panel manufactured from high-impact acrylic and silk-screened using computer generated artwork
Standard mounting capabilities include: recessed ceiling, surface ceiling, surface end and surface wall mount
Energy-efficient, long-lasting, high-intensity LEDs offer even illumination
UL 48 listed, UL Damp Location listing
IC rated, meets ADA specifications for wall mounted lighting fixtures

electrical specifications

AC Only: 0.084 A (120 VAC), 0.90 PF; 0.037 A (277 VAC), 0.90 PF

operating temperature range

32°F (0°C) to 104°F (40°C)

warranty

Electronics - three years full

dimensions

See Vintage Series on page 48

special wording examples

E4

E8

E11


E17

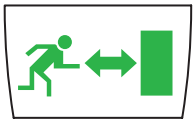

E24

E25

E26

E28

E29


E30

ordering information

VS						
SERIES	**HOUSING FINISH**	**# OF FACES**	**GRAPHICS**	**LENS INSERT**	**SPECIAL WORDING**	**OPTIONS**
VS = Vintage Series White LED AC Only Signage	W = White B = Black A = Brushed Aluminum G = Gunmetal BR = Ornamental Bronze AC = Aged Copper VG = Velvet Green N = Nickel GR = Granite	1 = Single Face 2 = Double Face	R = Red G = Green B = Blue K = Black Y = Yellow Optional colors available, consult factory.	Blank = Clear M = Mirror	See Above Examples or Consult Factory	Blank = No Options FL = AC Flasher RFL = Remote Switched Flasher

ACCESSORIES
(Order As A Separate Line Item)
PKIT12B = Pendant Kit, 12" Black*
PKIT12W = Pendant Kit, 12" White*
*Custom pendant lengths and colors available, consult factory.

Unison II Series

thermoplastic exit sign with LED illumination

features

120/277 VAC, 60 Hz dual voltage input
Maintenance-free, sealed nickel cadmium battery (battery option)
Impact-resistant, UL 94 V-0, 5 VA thermoplastic housing with NFPA-compliant, field-selectable chevrons
Normal and emergency illumination is accomplished with energy-efficient, long-lasting, high-intensity LEDs that offer even illumination
Universal top, side or back mounting
Canopy furnished with all models, not needed for back-to-wall mounting
Housing design simplifies installation and does not require hard wire terminations inside of the exit housing
Optional self-diagnostics
UL 924 listed
UL Damp Location listing
NFPA 101, NEC, BOCA, OSHA and IBC illumination standards

electrical specifications

AC Only
Red: 0.026 A (120 VAC), 0.012 A (277 VAC)
Green: 0.026 A (120 VAC), 0.012 A (277 VAC)

Self-Powered
Red: 0.033 A (120 VAC), 0.017 A (277 VAC)
Green: 0.033 A (120 VAC), 0.017 A (277 VAC)

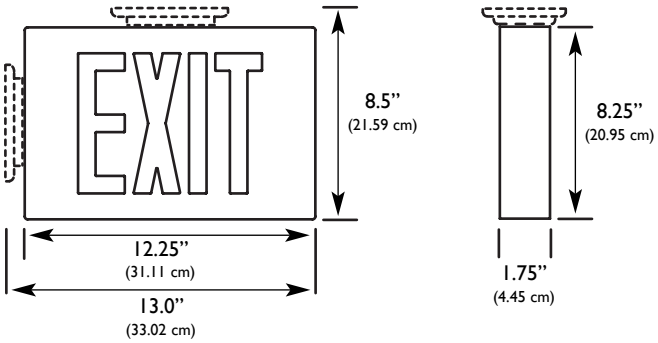
operating temperature range

Damp Location: 68°F (20°C) to 104°F (40°C)

warranty

Electronics - five years full; Battery - five years full, five years pro-rata

dimensions



ordering information

X			
SERIES	**LETTER COLOR**	**BATTERY**	**OPTIONS**
X = Unison II Series Thermoplastic LED Exit with White Housing	R = Red G = Green	A = AC Only B = Nickel Cadmium Battery	OT = OmniTest Self-Diagnostics B = Black Stencil, Black Housing
		Note: Standard product is furnished with white housing, white stencil and canopy for universal mounting, single or double face.	

Unison II Series

thermoplastic exit sign with LED illumination and remote capability

features

120/277 VAC, 60 Hz dual voltage input
Maintenance-free, sealed lead calcium battery
Impact-resistant, UL 94 V-0, 5 VA thermoplastic housing with NFPA-compliant, field-selectable chevrons
Illumination is accomplished with energy-efficient, long-lasting, high-intensity LEDs that offer even illumination
Universal top, side or back mounting
Canopy furnished with all models, not needed for back-to-wall mounting
Housing design simplifies installation and does not require hard wire terminations inside of the exit housing
UL 924 listed
UL Damp Location listing
NFPA 101, NEC, BOCA, OSHA and IBC illumination standards

electrical specifications

Input power requirements (Self-Powered)
Red: 0.027 A (120 VAC), 0.012 A (277 VAC)
Green: 0.030 A (120 VAC), 0.014 A (277 VAC)

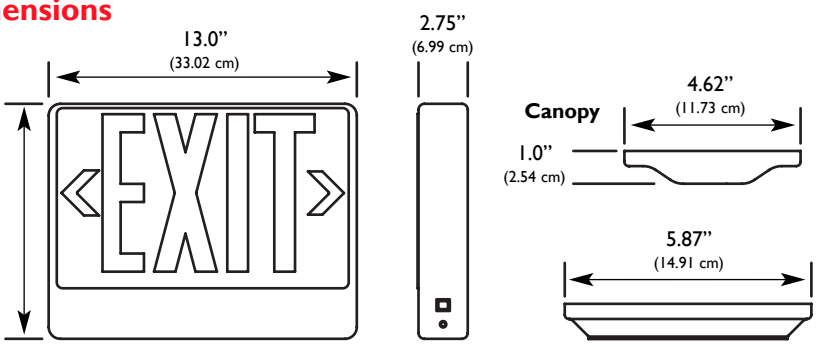
operating temperature range

Damp Location: 50°F (10°C) to 104°F (40°C)

warranty

Electronics - three years full; Battery - one year full, four years pro-rata

dimensions



ordering information

X		B		
SERIES	**LETTER COLOR**	**BATTERY**	**HOUSING COLOR**	**OPTIONS**
X = Unison II Series Thermoplastic LED Exit	R = Red G = Green	B = Lead Calcium for Emergency Operation	Blank = White Housing	XBAT = 12 Watt, 6 Volt Remote Capability XBAT2 = 22 Watt, 6 Volt Remote Capability
		Note: Standard product is furnished with white housing, white stencil and canopy for universal mounting, single or double face.		

Unison II Series

thermoplastic combination emergency exit sign with LED illumination and adjustable lamps

features

120/277 VAC, 60 Hz dual voltage input
Maintenance-free, sealed lead calcium battery
Impact-resistant, UL 94 V-0, 5 VA thermoplastic housing with NFPA-compliant, field-selectable chevrons
Emergency illumination is accomplished with two high-performance lamp heads
Exit illumination is accomplished with energy-efficient, long-lasting, high-intensity LEDs that offer even illumination
Universal installation along top or back of housing
Canopy furnished with all models
Housing design simplifies installation and does not require hard wire terminations inside of the exit housing
Optional self-diagnostics
UL 924 listed
UL Damp Location listing
NFPA 101, NEC, BOCA, OSHA and IBC illumination standards

electrical specifications

Input power requirements (Self-Powered)
Red: 0.027 A (120 VAC), 0.012 A (277 VAC)
Green: 0.030 A (120 VAC), 0.013 A (277 VAC)

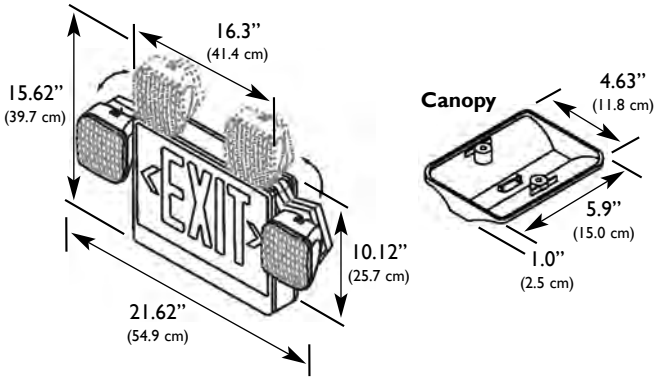
operating temperature range

Damp Location: 50°F (10°C) to 104°F (40°C)

warranty

Electronics - three years full; Battery - one year full, four years pro-rata

dimensions



ordering information

X		C2	
SERIES	**LETTER COLOR**	**BATTERY**	**OPTIONS**
X = Unison II Series Thermoplastic LED Exit with White Housing	R = Red G = Green	C2 = Combination Emergency Exit	OT = OmniTest Self-Diagnostics XBAT = 12 Watt Remote Capability[1]

Note: 1) "XBAT" not available with OmniTest Self-Diagnostics.

Unison I Series

thermoplastic exit sign with LED illumination

features

120/277 VAC, 60 Hz dual voltage input
Maintenance-free, sealed nickel cadmium battery (battery option)
Impact-resistant, UL 94 V-0, 5 VA thermoplastic housing with NFPA-compliant, field-selectable chevrons
White or black housing finish
Snap-fit housing design simplifies installation
All mechanical connections between the exit housing and canopy are made tool-free
Illumination is accomplished with energy-efficient, long-lasting, high-intensity LEDs that offer even illumination
UL 924 listed, UL Damp Location listing optional, self-diagnostics optional
NFPA 101, NEC, BOCA, OSHA and IBC illumination standards

electrical specifications

Input power requirements at 120 VAC
AC Only: 0.89 watts (red), 2.17 watts (green); Self-Powered: 3.62 watts (red), 2.79 watts (green)

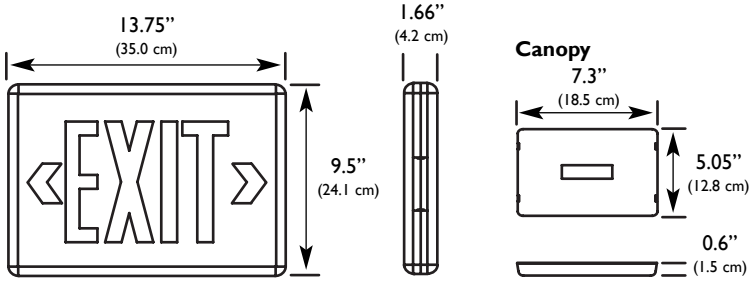
operating temperature range

Standard Location: 65°F (19°C) to 85°F (30°C), Damp Location: 50°F (10°C) to 104°F (40°C)

warranty

Electronics - five years full; Battery - five years full, five years pro-rata

dimensions



ordering information

U	L					
SERIES	**LAMP**	**BATTERY**	**STENCIL FACES**	**LETTER COLOR**	**FACE/HOUSING**	**OPTIONS[1]**
U = Unison Series Thermoplastic Exit	L = LED	A = AC Only N = Nickel Cadmium	1 = Single 2 = Double U = Universal	R = Red G = Green	B = Black W = White	2CKT1 = 120 VAC Two Circuit 2CKT2 = 277 VAC Two Circuit BF = Buzzer/Flasher (self-powered only)[2] BZ = DC Buzzer (self-powered only)[2] DC12 = 12 VDC Remote Power Capability[2] DL = UL Damp Location Listing[2] EX = Special Input Transformer (specify voltage and frequency) FA = 24 VDC Fire Alarm Interface[2] FL = Emergency Flasher OT = OmniTest Self-Diagnostics SW = Special Wording/Graphics (consult factory) TP = Tamperproof VRS = Vandal Resistant Lens with Tamperproof Hardware

ACCESSORIES
(Ordered Separately)
PVS = Polycarbonate Vandal Shield
WG4 = Wire Guard
UPKIT12B* = Pendant Kit, 12" Black
UPKIT12W* = Pendant Kit, 12" White
T15TPTOOL = Tamperproof Tool
*Custom pendant lengths and colors available, consult factory.

Note:
1) Some option combinations may impact UL listing. Consult factory for specifics.
2) Not available with OmniTest self-diagnostics.

Unison I Series

thermoplastic combination exit sign with LED illumination adjustable lamps

features

120/277 VAC, 60 Hz dual voltage input
Maintenance-free, sealed lead calcium or nickel cadmium battery
Impact-resistant, UL 94 V-0, 5 VA thermoplastic housing with NFPA-compliant, field-selectable chevrons
Chevrons can be installed/removed from outside the exit housing
Emergency illumination is provided by two, high-performance, lamp reflector systems integral to the product housing
Each lamp reflector system incorporates a high-intensity, T-5 wedge base tungsten or halogen lamps, and can be adjusted 180° vertically and horizontally
Exit illumination is accomplished with energy-efficient, long-lasting, high-intensity LEDs that offer even illumination
UL 924 listed, UL Damp Location listing optional, self-diagnostics optional
NFPA 101, NEC, BOCA, OSHA and IBC illumination standards

electrical specifications

Input power requirements
12 Watt Units: 0.114 A (120 VAC), 0.054 A (277 VAC); 14-25 Watt Units: 0.118 A (120 VAC), 0.056 A (277 VAC)

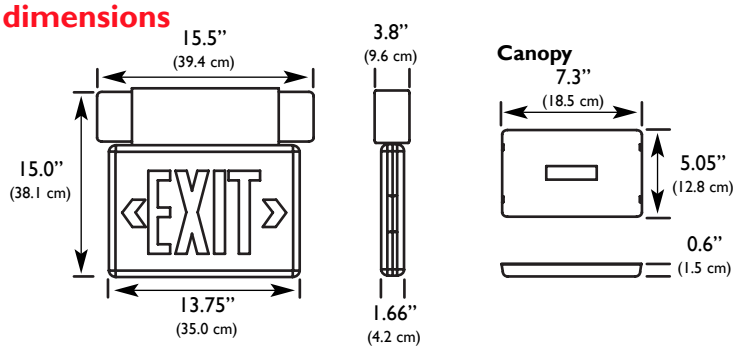
operating temperature range

Standard: 65°F (19°C) to 85°F (30°C), Damp Location: 50°F (10°C) to 104°F (40°C)

warranty

Electronics - three years full
Lead Calcium Battery - one year full, four years pro-rata; Nickel Cadmium Battery - five years full, five years pro-rata

dimensions



ordering information

U						
SERIES	**BATTERY**	**LAMP TYPE[1]**	**STENCIL FACES**	**LETTER**	**FACE/HOUSING COLOR**	**OPTIONS[2]**
U = Unison Series Thermoplastic Combination Emergency Exit	**Lead Calcium** 12L = 12 Watts 18L = 18 Watts 25L = 25 Watts **Nickel Cadmium** 14N = 14 Watts 18N = 18 Watts	**Tungsten** T6 = 5.4W T7 = 7W T9 = 9W **Halogen** H7 = 7W H12 = 12W	1 = Single U = Universal Single/Double Face	R = Red G = Green	B = Black W = White	BF = Buzzer/Flasher (self-powered only)[3] BZ = DC Buzzer (self-powered only)[3] DL = UL Damp Location Listing[3,5] EX = Special Input Transformer (220/240 VAC 50 Hz) FA = 24 VDC Fire Alarm Interface FL = Emergency Flasher[3] LL = Low Level Institutional Frame Surface Mount Remote Exit[3,4] LP = Low Level Matching Thermoplastic Exit[3,4] OT = OmniTest Self-Diagnostics TP = Tamperproof VRS = Vandal Resistant Lens with Tamperproof Hardware

Note:
1) Selected lamp wattage cannot exceed unit output rating. Standard lamp configuration utilizes T-5 wedge base, 5.4 watt, 6 volt lamp.
2) Some option combinations may impact UL listing. Consult factory for specifics.
3) Not available with OmniTest Self-Diagnostics.
4) "LL" and "LP" options are only available with 18 or 25 watt models.
5) Available on 25 watt, lead calcium and all nickel cadmium battery units.

Unison Series

thermoplastic edge-lit exit sign with LED illumination

features

120/277 VAC, 60 Hz dual voltage input
AC only and self-powered models
Maintenance-free, sealed nickel cadmium battery (battery option)
Impact-resistant, UL 94 V-0, 5 VA thermoplastic housing/backbox, can be used for both recessed and surface mount applications
Stencil panel includes customer-installable chevrons, and is made from high-impact, clear acrylic (white and mirrored inserts also included)
Energy-efficient, long-lasting, high-intensity LEDs offer even illumination
UL 924 listed, UL Damp Location listing optional
NFPA 101, NEC, BOCA, OSHA and IBC illumination standards

electrical specifications

Input power requirements at 120 VAC
AC Only: 5.16 watts (red), 4.80 watts (green)
Self-Powered: 8.4 watts (red), 5.4 watts (green)

operating temperature range

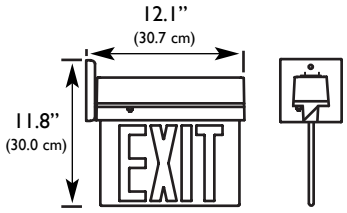
Standard Location: 65°F (19°C) to 85°F (30°C); Damp Location: 50°F (10°C) to 104°F (40°C)

warranty

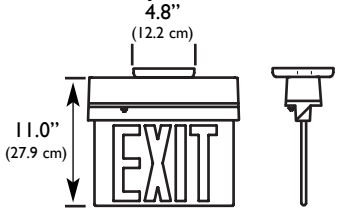
Electronics - three years full; Battery - five years full, five years pro-rata

dimensions

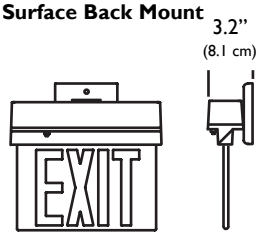
Surface End Mount



Surface Top Mount

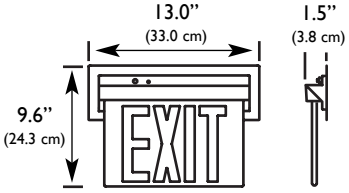


Surface Back Mount

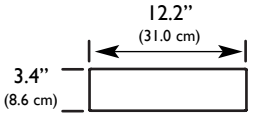


Recessed Top Mount

Recessed Back Mount



Hole Dimensions for Recessed Mount



ordering information

SERIES	HOUSING/TRIM FINISH	# OF FACES	LETTER COLOR	OPTIONS[1]
U = Unison AC LED Edge-Lit Exit UE = Unison Self-Powered LED Edge-Lit Exit	B = Black W = White	1 = Single Face 2 = Double Face	R = Red G = Green	2CKT1 = 120 VAC Two Circuit 2CKT2 = 277 VAC Two Circuit BF = Buzzer/Flasher (self-powered only) BZ = DC Buzzer (self-powered only) DL = Damp Location Listing EX = Special Input Transformer (specify voltage and frequency) FA = 24 VDC Fire Alarm Interface FL = Emergency Flasher
Note: 1) Some option combinations may impact UL listing. Consult factory for specifics	**ACCESSORIES** (Ordered Separately) SEPKIT12B* = Pendant Kit, 12" Black SEPKIT12W* = Pendant Kit, 12" White SC** = Bar Hanger Kit *Custom pendant lengths and colors available, consult factory. ** Required for recessed installations.			

LAD Series

die cast aluminum exit with LED illumination

features

120/277 VAC, 60 Hz voltage dual input
Maintenance-free, sealed nickel cadmium battery (battery option)
Die cast aluminum construction with NFPA-compliant, field-selectable chevrons
Normal and emergency illumination is accomplished with energy-efficient, long-lasting, high-intensity LEDs that offer even illumination
All electronics are contained within the exit frame for low-profile mounting
Optional self-diagnostics
UL 924 listed
NFPA 101, NEC, BOCA, OSHA and IBC illumination standards

electrical specifications

AC Only
Red: 0.026 A (120 VAC), 0.012 A (277 VAC)
Green: 0.026 A (120 VAC), 0.012 A (277 VAC)

Self-Powered
Red: 0.033 A (120 VAC), 0.017 A (277 VAC)
Green: 0.033 A (120 VAC), 0.017 A (277 VAC)

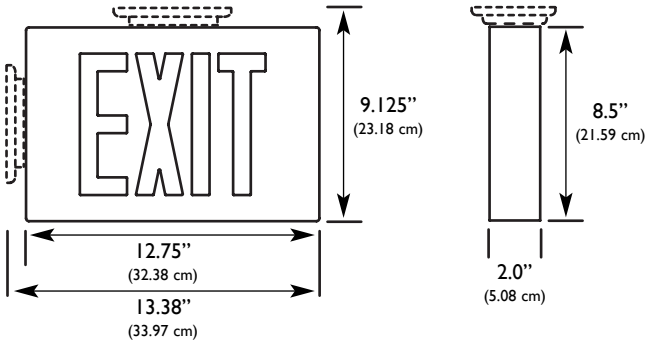
operating temperature range

Standard Location: 65°F (19°C) to 85°F (30°C)

warranty

Five years full

dimensions



ordering information

LAD		U			
SERIES	**BATTERY TYPE**	**STENCIL FACES**	**LETTER COLOR**	**FACE/HOUSING COLOR**	**OPTIONS**
LAD = Classic Die Cast Exit	Blank = AC Only N = Nickel Cadmium	U = Universal Two Faces, Backplate and Canopy	R = Red G = Green	A = Natural Brushed Aluminum Stencil Face/Black Housing B = Black Stencil Face and Housing W = White Stencil Face and Housing	OT = Self-Testing Diagnostics[1]
	ACCESSORIES (Ordered Separately) PKIT12B* = Pendant Kit, 12" Stem, Black PKIT12W* = Pendant Kit, 12" Stem, White PVS = Polycarbonate Vandal Shield *Custom pendant lengths and colors available, consult factory.				Note: 1) OT available on nickel cadmium models only and only as universal.

DX Series

die cast aluminum exit sign with LED illumination

features

120/277 VAC, 60 Hz dual voltage input, maintenance-free, sealed nickel cadmium battery (battery option)
Die cast aluminum construction with NFPA-compliant, field-selectable chevrons; white, black or brushed aluminum housing finish
Energy-efficient, long-lasting, high-intensity LEDs offer even illumination
Hinged stencil door provides a secure closure, yet is accessible for installation, maintenance and inspection
Standard Smart Charger self-diagnostics, self-testing is optional on self-powered emergency models (see page 77 for Smart Charger features)
UL 924 listed, UL Damp Location listing optional, NFPA 101, NEC, BOCA, OSHA and IBC illumination standards
Certified to the California Energy Commission in accordance with California law, IEC 61951-1 Life Testing (batteries)

electrical specifications

AC Only Red: 3.8 watts (120 VAC), PF = 0.96
3.8 watts (277 VAC), PF = 0.91
AC Only Green: 4.0 watts (120 VAC), PF = 0.95
4.0 watts (277 VAC), PF = 0.90

Self-Powered Red: 4.7 watts (120 VAC), PF = 0.95
4.8 watts (277 VAC), PF = 0.97
Self-Powered Green: 4.7 watts (120 VAC), PF = 0.95
4.7 watts (277 VAC), PF = 0.99

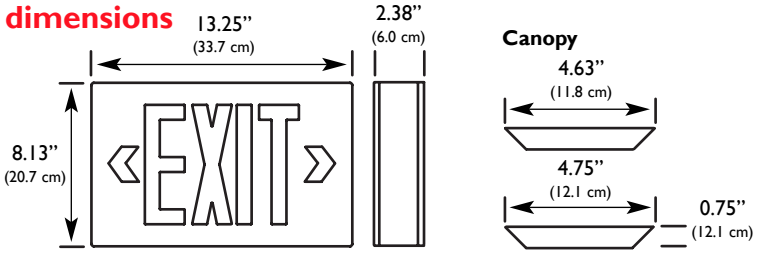
operating temperature range

AC Only: -40°F (-40°C) to 113°F (45°C), Self-Powered - Damp Location: 32°F (0°C) to 104°F (40°C), Self-Powered - Standard Location: 65°F (19°C) to 85°F (30°C)

warranty

Electronics - five years full; Battery - five years full, five years pro-rata

dimensions



ordering information

DX	L					SC	
SERIES	**LAMP**	**BATTERY**	**STENCIL FACES**	**LETTER**	**STENCIL/HOUSING**	**MODEL DES.**	**OPTIONS[1]**
DX = DX Series Classic Die Cast Exit	L = LED	A = AC Only N = Nickel Cadmium	1 = Single 2 = Double	R = Red G = Green	W = White Stencil & Housing B = Black Stencil & Housing N = Natural Brushed Aluminum Stencil & Housing A = Natural Brushed Aluminum Stencil & Black Housing WA = Natural Brushed Aluminum Stencil & White Housing	SC = Smart Charger Diagnostics	2CKT1 = 120 VAC Two Circuit Wiring 2CKT2 = 277 VAC Two Circuit Wiring BF = Buzzer/Flasher (emergency operation only) BZ = Buzzer (emergency operation only) DC = 12-48 VDC Input Power (AC models only) DL = UL Damp Location Listing EX = Special Input Transformer (specify voltage and frequency) FA = 24 VDC Fire Alarm Interface (regulated constant DC voltage) FL = Flasher (emergency units only) PM = Pendant Mount Only[2] (must order pendant kit accessory) SW = Special Wording/Graphics[3] T = Self-Testing Diagnostics (non-audible) TA = Audible Self-Testing Diagnostics TP = Tamperproof VRS = Vandal Resistant Lens with Tamperproof Hardware

ACCESSORIES
(Ordered Separately)
DXKIT12B = Pendant Kit, 12" Black[3]
DXKIT12W = Pendant Kit, 12" White[3]
T15TPTOOL = Tamperproof Screwdriver
PVS = Polycarbonate Vandal Shield
SCIR = Smart Charger Infra-Red Remote
WG4 = Wire Guard
WG10 = Wire Guard for Side Mounting

Note:
1) Some option combinations may impact UL listing. Consult factory for specifics.
2) Must specify "PM" option for compatibility with pendant kit.
3) Utilizes larger housing - 13.5 x 8.5 x 2.5.

DX Series

fully recessed die cast aluminum exit sign with LED illumination

features

120/277 VAC, 60 Hz dual voltage input
Maintenance-free, sealed nickel cadmium battery (battery option)
Die cast aluminum construction with NFPA-compliant, field-selectable chevrons
White, black or brushed aluminum housing finish
Includes 20 gauge, galvanized steel mounting frame for fully recessed drywall installations
Slim 2.5" recessed depth allows mounting flexibility in shallow aluminum stud wall systems, as well as standard wood stud/sheetrock applications
Energy-efficient, long-lasting, high-intensity LEDs offer even illumination
All electronics are contained within the exit frame for low-profile mounting
UL 924 listed
NFPA 101, NEC, BOCA, OSHA and IBC illumination standards

electrical specifications

Input power requirements at 120 VAC:
AC Only = 3.32 watts (red), 4.11 watts (green)
Self-Powered = 4.39 watts (red), 3.52 watts (green)

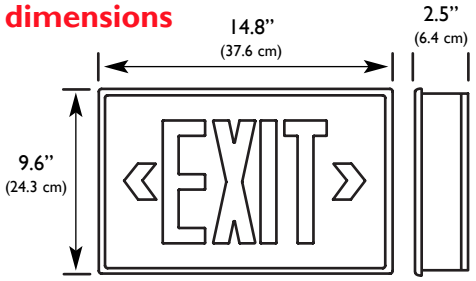
operating temperature range

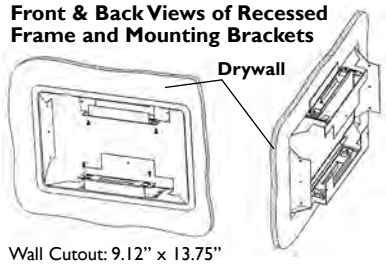
Standard Location: 65°F (19°C) to 85°F (30°C)

warranty

Electronics - three years full; Battery - five years full, five years pro-rata

dimensions





Wall Cutout: 9.12" x 13.75"

ordering information

DX	L		I				
SERIES	**LAMP**	**BATTERY**	**FACES**	**LETTER**	**STENCIL FACE/HOUSING**	**TRIM FRAME**	**OPTIONS[1]**
DX = Die Cast Aluminum Exit	L = LED	A = AC Only N = Nickel Cadmium	I = Single	R = Red G = Green	W = White Stencil Face B = Black Stencil Face A = Natural Brushed Aluminum Stencil Face	FRW = White Trim Plate FRB = Black Trim Plate	2CKT1 = 120 VAC Two Circuit Wiring 2CKT2 = 277 VAC Two Circuit Wiring BF = Buzzer/Flasher (emergency units only) BZ = Buzzer (emergency units only) DC6 = 6 VDC Remote Emergency Power DC12 = 12 VDC Remote Emergency Power EX = Special Input Transformer (specify voltage and frequency) FA = 24 VDC Fire Alarm Interface FL = Emergency Flasher TP = Tamperproof VRS = Vandal Resistant Lens with Tamperproof Hardware

ACCESSORIES
(Ordered Separately)
T15TPTOOL = Tamperproof Screwdriver

Note:
1) Some option combinations may impact UL listing. Consult factory for specifics.

RDX Remote Series

remote capable die cast aluminum exit sign with LED illumination

features

120/277 VAC, 60 Hz dual voltage input
Up to 10.8 watts of remote capability
Maintenance-free, sealed lead calcium battery
Two-piece, die cast aluminum construction with NFPA-compliant, field-selectable chevrons
White, black or brushed aluminum housing finish
Universal knockouts located on canopy backplate allow for wall mounting directly to standard junction boxes
Energy-efficient, long-lasting, high-intensity LEDs offer even illumination
UL 924 listed
UL Damp Location listing optional
NFPA 101, NEC, BOCA, OSHA and IBC illumination standards

electrical specifications

Input Power Requirements
Red: 10.4 watts (120 VAC), 10.8 watts (277 VAC)
Green: 9.8 watts (120 VAC), 10.8 watts (277 VAC)

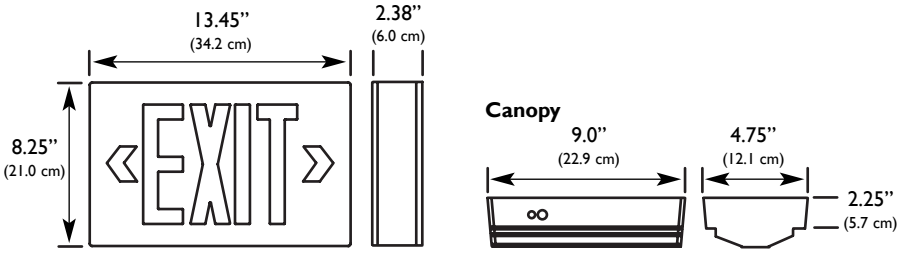
operating temperature range

Standard Location: 65°F (19°C) to 85°F (30°C), Damp Location: 50°F (10°C) to 113°F (45°C)

warranty

Electronics - three year full; Battery - one year full, four years pro-rata

dimensions



ordering information

RDX	L	N				
SERIES	**LAMP**	**BATTERY**	**STENCIL FACES**	**LETTER**	**FACE/HOUSING COLOR**	**OPTIONS**
RDX = RDX Series Classic Die Cast Exit	L = LED	N = Self-Powered	1 = Single 2 = Double	R = Red G = Green	A = Natural Brushed Aluminum Stencil Face with Black Housing B = Black Stencil Face and Housing N = Natural Brushed Aluminum Stencil Face and Housing W = White Stencil Face and Housing WA = Natural Brushed Aluminum Stencil Face with White Housing	DL = UL Damp Location Listing, 10°C to 45°C

E100 II Series

heavy-duty exit sign or combination exit sign with LED illumination

features

120/277 VAC, 60 Hz dual voltage input
Emergency operation version includes low voltage disconnect, AC lockout and brownout protection features
Maintenance-free, sealed nickel cadmium battery (battery option)
Constructed of three-piece, 20 gauge, cold-rolled steel, includes NFPA-compliant, field-selectable chevrons
White or black powder coat finish
Emergency illumination is accomplished with two 6 VDC, 5.4 watt, front-mounted lamp heads which are fully adjustable
Exit illumination is accomplished with energy-efficient, long-lasting, high-intensity LEDs that offer even illumination
Optional self-diagnostics
UL 924 listed, UL Damp Location listing available on AC only versions
NFPA 101, NEC, BOCA, OSHA and IBC illumination standards

electrical specifications

Input power requirements
AC Only: Red - 0.030 A (120 VAC), 0.013 A (277 VAC); Green - 0.035 A (120 VAC), 0.015 A (277 VAC)
Self-Powered: Red - 0.037 A (120 VAC), 0.016 A (277 VAC); Green - 0.037 A (120 VAC), 0.016 A (277 VAC)
Combination Unit: Red: 0.090 A (120 VAC), 0.039 A (277 VAC); Green: 0.090 A (120 VAC), 0.039 A (277 VAC)

operating temperature range

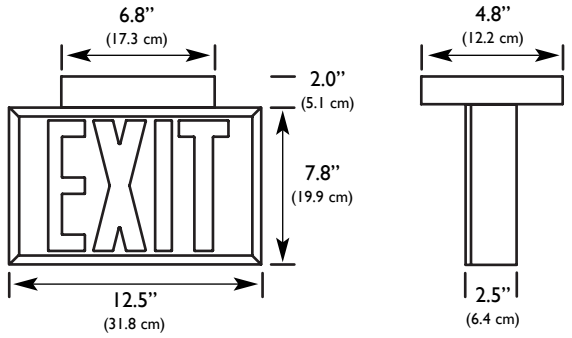
Standard Location: 65°F (19°C) to 85°F (30°C), Damp Location: 50°F (10°C) to 104°F (40°C)

warranty

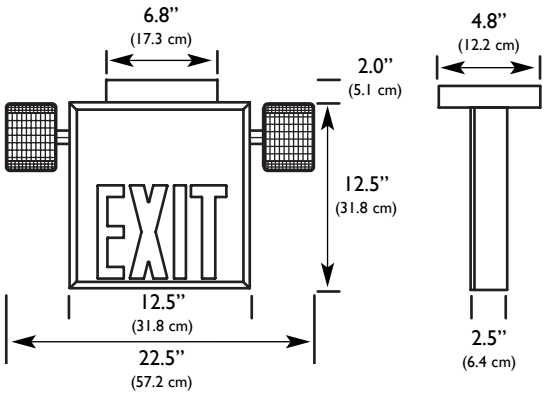
Electronics - three years full
Sealed Nickel Cadmium Battery - five years full, five years pro-rata
Sealed Lead Calcium Battery - one year full, four years pro-rata

dimensions

AC Only & Self-Powered



Combination Unit



ordering information

EI	L							
SERIES	**LAMP**	**OPERATION**	**FRAME**	**# OF FACES**	**LETTER**	**# OF HEADS**	**MOUNTING**	**OPTIONS[1]**
EI	L = LED	**Exit Sign 120/277 VAC** 0 = AC Only 3 = AC/Emergency, Nickel Cadmium **Combo Units 120/277 VAC, Lead Calcium** H12 = 12W H30 = 30W	B = Black W = White	S = Single D = Double	R = Red G = Green	**Exit Sign** N/A **Combo Units** 0 = None 1 = One 2 = Two Note: Standard lamp head is J66. Consult factory for alternate heads.	C = Canopy (standard with OmniTest version) U = Universal (includes canopy and extra stencil) Note: 1) Some option combinations may impact UL listing. Consult factory for specifics. 2) Not available with OT option. 3) Requires T15TPTOOL. Ordered separately. 4) Must be ceiling canopy mounted.	2CKT1 = 120 VAC Two Circuit[2] 2CKT2 = 277 VAC Two Circuit[2] BF = Buzzer/Flasher[2] (emergency operation only) BZ = Buzzer[2] (emergency operation only) EX = Special Input Transformer (specify voltage & frequency) F = 24 VDC Fire Alarm Interface[2] FL = Emergency Flasher[2] OT = OmniTest Self-Diagnostics[4] SW = Special Wording (consult factory) TP = Tamperproof[3]

ACCESSORIES
(Ordered Separately)
E1CKITW = Mounting Canopy, White
E1PKITW = Pendant Kit, White
E1DCK1 = DC Conversion Kit, 6 VDC, 5.4W
E1DCK2 = DC Conversion Kit, 12 VDC, 5.5W
WG4 = Wire Guard (exit wall mount)
T15TPTOOL = Tamperproof Screwdriver

E700 Series

recessed vandal resistant exit sign with LED illumination

features

120/277 VAC, 60 Hz dual voltage input, AC only and self-powered models
Maintenance-free, sealed nickel metal hydride battery (battery option)
White or black powder coated cast aluminum housing with polycarbonate vandal-resistant lens
20 gauge steel back plate mounts directly to the wall surface via keyhole slots
Tamperproof hardware and bit are supplied with each model
All electronics are contained within the housing eliminating the need to recess components into the wall
Standard Smart Charger self-diagnostics, self-testing is optional on self-powered emergency models (see page 77 for Smart Charger features)
Normal and emergency illumination is accomplished with energy-efficient, long-lasting, high-intensity LEDs that offer even illumination
UL 924 listed, certified to the California Energy Commission in accordance with California law
NFPA 101, NEC, BOCA, OSHA and IBC illumination standards

electrical specifications

AC Only Red: 0.035 A (120 VAC), PF = 0.95
0.015 A (277 VAC), PF = 0.95
AC Only Green: 0.034 A (120 VAC), PF = 0.97
0.015 A (277 VAC), PF = 0.97

Self-Powered Red: 0.040 A (120 VAC), PF = 0.90
0.018 A (277 VAC), PF = 0.90
Self-Powered Green: 0.042 A (120 VAC), PF = 0.90
0.018 A (277 VAC), PF = 0.90

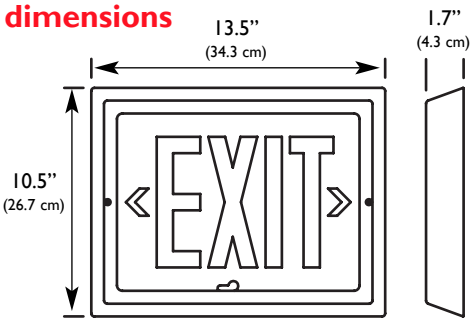
operating temperature range

Standard Location: 65°F (19°C) to 85°F (30°C)

warranty

Electronics - five years full; Battery - five years full, five years pro-rata

dimensions



ordering information

			SC	
SERIES/BATTERY	**FRAME COLOR**	**STENCIL/LETTER COLOR**	**MODEL DES.**	**OPTIONS[1]**
E700 = AC Only EPN700 = Self-Powered NiCad Battery	B = Black W = White	R = Brushed Aluminum w/ Red Letters G = Brushed Aluminum w/ Green Letters WR = White w/ Red Letters WG = White w/ Green Letters BR = Black w/ Red Letters BG = Black w/ Green Letters	SC = Smart Charger Diagnostics	2CKT1 = 120 VAC Two Circuit (AC only models) 2CKT2 = 277 VAC Two Circuit (AC only models) BF = Buzzer/Flasher (self-powered models only) BZ = Buzzer (self-powered models only) DC = 12-48 VDC Input (AC only models) EX = Special Input Transformer[1] (specify voltage & frequency) FA = 24 VDC Fire Alarm Interface FL = Emergency Flasher (self-powered models only) T = Self-Testing Diagnostics (non-audible, self-powered models only) TA = Audible Self-Testing Diagnostics (self-powered models only)

ACCESSORIES
(Ordered Separately)
SCIR = Smart Charger Infra-Red Remote
T15TPTOOL = Tamperproof Screwdriver

Note:
1) Some option combinations may impact UL listing. Consult factory for specifics.

Wet Lok

wet/damp location and harsh environment LED exit sign

features

120/277 VAC, 60 Hz dual voltage input, AC only and self-powered models
Die-cast aluminum housing with premium, impact-resistant, injection molded, polycarbonate covers
Stamped stencil face with field-selectable chevrons, standard vandal resistant/anti-corrosion coated hardware
Maintenance-free, sealed nickel cadmium battery (battery option)
Standard Smart Charger diagnostics with advanced self-testing diagnostics (see page 77 for Smart Charger features)
Normal and emergency illumination is accomplished with energy-efficient, long-lasting, high-intensity LEDs that offer even illumination
UL 924 listed, UL listed for Wet/Damp Locations standard
Certified to the California Energy Commission in accordance with California law
NFPA 101, NEC, BOCA, OSHA and IBC illumination standards, meets ADA specifications for wall mounted lighting fixtures

electrical specifications

AC Only Red: 3.8 watts (120 VAC), PF = 0.96
3.8 watts (277 VAC), PF = 0.91
AC Only Green: 4.0 watts (120 VAC), PF = 0.95
4.0 watts (277 VAC), PF = 0.90

Self-Powered Red: 4.7 watts (120 VAC), PF = 0.95
4.8 watts (277 VAC), PF = 0.97
Self-Powered Green: 4.7 watts (120 VAC), PF = 0.95
4.7 watts (277 VAC), PF = 0.99

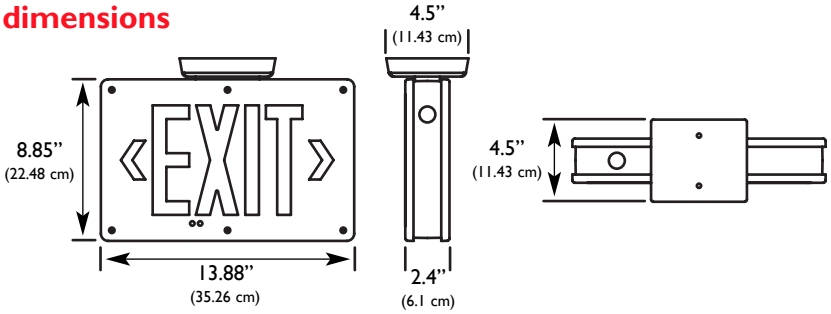
operating temperature range

Wet/Damp Location: -40°F (-40°C) to 113°F (45°C)

warranty

Electronics - five years full; Battery - five years full, five years pro-rata

dimensions



ordering information

W	L					SCT	
SERIES	**LAMP**	**BATTERY**	**FACE**	**LETTER**	**FACE/HOUSING COLOR**	**MODEL DES.**	**OPTIONS**
W = Wet Lok	L = LED	A = AC Only N = Nickel Cadmium	1 = Single U = Universal Single/Double Face	R = Red G = Green	W = White Stencil & Housing B = Black Stencil & Housing G = Gray Stencil & Housing WA = White Housing & Brushed Aluminum Stencil BA = Black Housing & Brushed Aluminum Stencil GA = Gray Housing & Brushed Aluminum Stencil	SCT= Smart Charger Self-Testing Diagnostic Electronics	A = Audible Diagnostics BF = Buzzer/Flasher (self-powered units only) BZ = DC Buzzer DC = 12-48 VDC Input (AC only models) EX = Special Input Transformer[1] (consult factory) FA = 24 VDC Fire Alarm Interface FL = Flasher (self-powered units only) PM = Pendant Mount Only[2] (must order pendant kit accessory) SW = Special Wording (consult factory) 2CKT1 = 120 VAC Two Circuit (AC only models) 2CKT2 = 277 VAC Two Circuit (AC only models)

ACCESSORIES
(Ordered Separately)
SCIR = Smart Charger Infra-Red Remote
T15TPTOOL = Tamperproof Screwdriver
WPKITB = Pendant Kit, 12" Stem, Black
WPKITW = Pendant Kit, 12" Stem, White

Note:
1) Some options may impact UL listing. Consult factory for specifics.
2) Must specify "PM" option for compatibility with pendant kit.

Self-Luminous Series

tritium exit sign that operates without external power

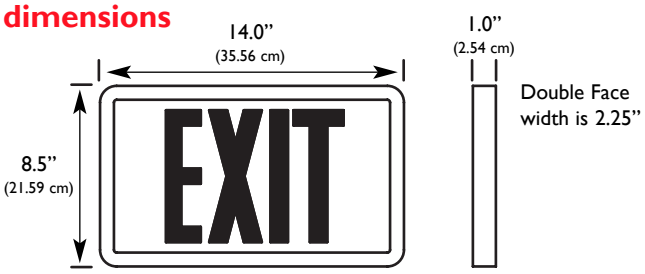
features

No external power source required, no maintenance costs
Illumination is accomplished with borosillicate glass-sealed tubes internally coated with zinc sulfide phosphor and filled with tritium gas
Illumination level will exceed the .15 foot Lambert minimum for the entire service life
Lifetime of 10, 15 or 20 years
Attractive ABS flame retardant housing comes standard with a gray frame (black, white or aluminum frames are optional)
Solves unique installation problems quickly and reliably
UL 924 listed
NFPA 101, NEC (Article 500, Class I & II conditions), BOCA, OSHA and IBC illumination standards
State of California, City of Los Angeles compliance
USNRC, meets ICBO and SBCCI requirements

warranty

Choice of 10, 15 or 20 years

dimensions



ordering information

L3		U			
SERIES	**FACE COLOR**	**ARROW**	**USEFUL LIFE**	**# OF FACES**	**OPTIONS**
L3 = Tritium Exit	R = Red G = Green	U = Universal	10 = 10 Years 15 = 15 Years 20 = 20 Years	S = Single D = Double	AF = Aluminum Frame BK = Black Plastic Frame IF1 = Black Anodized Aluminum Vandal Resistant Frame[1] IF5 = Brushed Aluminum Vandal Resistant Frame[1] PW = Polycarbonate Lens[1] WH = White Plastic Frame

ACCESSORIES
(Ordered Separately)
PKITTRB = 12" Pendant Kit, Black Plastic
PKITTRG = 12" Pendant Kit, Gray Plastic
PKITTRW = 12" Pendant Kit, White Plastic
PKITTRAL = 12" Pendant Kit, Aluminum
TPC-B = Mounting Canopy, Black
TPC-G = Mounting Canopy, Gray
TPC-W = Mounting Canopy, White
TDRBRKT = Mounting Canopy, Single/Double Face, Aluminum

Note: 1) Available on single face exits only.

NX Series

harsh environment exit and exit combination
NEMA 3, 3r, 4, 4x, 12 and 13 classifications

features

120/277 VAC, 60 Hz dual voltage input
Maintenance-free, sealed lead calcium
Watertight enclosure constructed of fiberglass-reinforced polyester with a clear polycarbonate cover
Two head combination exit/emergency unit features fully adjustable 6 volt, 6 watt, Par 36 halogen sealed beam lamp heads that are enclosed in watertight polycarbonate housings
Exit illumination is accomplished with energy-efficient, long-lasting, high-intensity LEDs that offer even illumination
UL 924 listed, UL Damp and Wet Location listing optional
NFPA 70, NFPA 101, NEC, BOCA, OSHA and IBC illumination standards
NSF standard Class 2 "Splash Zone" listed

electrical specifications

Exit Combination: 0.161 A (120 VAC), 0.07 A (277 VAC)

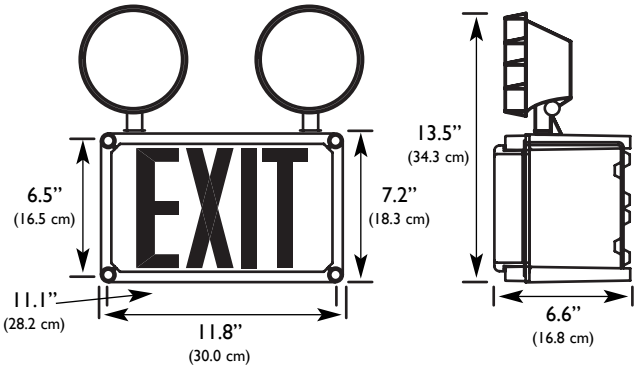
operating temperature range

Standard Location: 65°F (19°C) to 85°F (30°C), Wet/Damp Location: -22°F (-30°C) to 104°F (40°C)

warranty

Electronics - three years full; Battery - one year full, four years pro-rata

dimensions



ordering information

NX	2H	L		
SERIES	**POWER REQUIREMENTS**	**LAMP TYPE**	**FACE COLOR**	**OPTIONS[1]**
NX = NX Series	2H = Combination Exit/Emergency, Lead Calcium	L = LED	R = Red LEDs G = Green LEDs	EX = Special Input Transformer F = 24 VDC Fire Alarm Interface FL = Emergency Flasher S = Shatter Resistant Lamp Head Lens TP = Tamperproof Lockup[2] W = UL Wet Location Listing Z = UL Damp Location Listing
		ACCESSORIES (Ordered Separately) EMF = External Mounting Feet		

Note:
1) Some option combinations may impact UL listing. Consult factory for specifics.
2) Includes tamperproof hardware and bit.

Compact Fluorescent Ballasts

converts standard fluorescent luminaires into emergency luminaires

features

120/277 VAC, 60 Hz dual voltage input
Maintenance-free, sealed nickel cadmium battery
Constant current battery charging system
Charging system complete with AC indicator lamp, test switch and mounting plate hardware
Constructed of 20 gauge steel with a powder coat finish
Slim housing allows for wireway channel mounting on most lighting fixtures

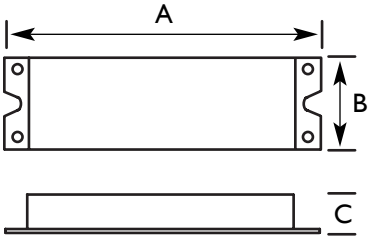
operating temperature range

Standard Location: 32°F (0°C) to 131°F (55°C), Cold Weather: 5°F (-15°C) to 131°F (55°C)
Standard Damp Location: 32°F (0°C) to 122°F (50°C) (FTUPL-N, FTUPL26-N)

warranty

Electronics - one year full; Battery - one year full, four years pro-rata (FTUPL-N, FTUPL26-N)
Electronics - two years full; Battery - two years full (LF750-4PT, LF1000-4PT, LF1000-4PST and LF1400-4PT)

dimensions



	FTUPL-N	FTUPL26-N	LF750-4PT	LF1000-4PT	LF1000-4PST	LF1400-4PT
A	9.4"	9.4"	9.4"	13.3"	13.3"	13.3"
B	2.4"	2.4"	2.4"	2.4"	2.4"	2.4"
C	1.5"	1.5"	1.5"	1.5"	1.5"	1.5"

factory installed options

EX = Special Input Transformer (specify voltage & frequency) (LF1000-4PST only)
CW = Cold Weather Rating (LF750-4PT, LF1000-4PT and LF1400-4PT only)
DL = Damp Location (LF750-4PT, LF1000-4PT and LF1400-4PT only)(standard on FTUPL-N and FTUPL26-N)

Accessories (ordered separately)

CCAPS = Wire Cover Kit for External Mounting (LF1000-4PST only)
RTS = Remote Test Plate (LF750-4PT, LF1000-4PT and LF1000-4PST only)
RTS2 = Remote Test Switch & Pilot Light Kit (includes plate) (LF750-4PT, LF1000-4PT and LF1000-4PST only)

	LAMP TYPE / MAXIMUM INITIAL LUMENS						OPTIONAL (DL)* DAMP LOCATION LISTING	SUITABLE FOR USE IN SEALED & GASKETED LUMINAIRES
	2 PIN, 5-13W	2 PIN, 10-26W	4 PIN, 13-42W	4 PIN, 13-50W	4 PIN, 42W/57W	LONG COMPACT 18-55W		
FTUPL-N	• 625						✓ (standard)	
FTUPL26-N		• 650					✓ (standard)	
LF750-4PT			•/•• 750				✓	✓
LF1000-4PT			•/•• 1000			•/•• 1000	✓	✓
LF1000-4PST				•/•• 1000				
LF1400-4PT					• 1100/1400	•/•• 1100	✓	✓

*Add 'DL' to end of part number.

Linear Fluorescent Ballasts

converts standard fluorescent luminaires into emergency luminaires

features

120/277 VAC, 60 Hz dual voltage input
Maintenance-free, sealed nickel cadmium battery
Constant current battery charging system
Constructed of 20 gauge steel with a powder coat finish
Slim housing allows for wireway channel mounting on most lighting fixtures

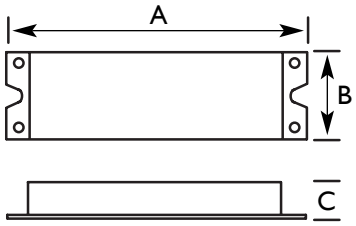
operating temperature range

Standard/Damp Location: 32°F (0°C) to 131°F (55°C)
Cold Weather Option (L1400T only): 5°F (-15°C) to 131°F (55°C)

warranty

Electronics - five years full, Battery - five years full (L1400, L1400DL, L1400T, L1400TDL, L3000T, L3000TDL, L3000T5, L3000ST, L3400-3)
Electronics - three years full, Battery - three years full (L700, L700DL, L700A, L700ADL)
Electronics - one year full, Battery - one year full (L450, L600, L600DL)

dimensions



	L450	L600(DL)	L700A(DL)	L700(DL)	L1400(DL)	L1400T(DL)	L3000T(DL)	L3000ST	L3400-3	L3000T5
A	9.4"	9.4"	9.4"	9.4"	13.25"	13.3"	16.3"	16.3"	16.3"	16.375"
B	2.4"	2.4"	2.4"	2.4"	2.5"	2.4"	5.5"	5.5"	5.5"	3.0"
C	1.5"	1.5"	1.5"	1.5"	1.5"	1.5"	1.7"	1.7"	1.7"	3.0"

factory installed options

EX = Special Input Transformer (specify voltage & frequency) (not available on the L1400T)
CW = Cold Weather Rating (L1400T only)

Accessories (ordered separately)

CCAPS = Wire Cover Kit for Ext. Mounting (L450, L600, L700A, L700, L1400, L1400T)
RTS = Remote Test Plate
RTS2 = Remote Test Switch & Pilot Light Kit (includes plate)

	LAMP TYPE / MAXIMUM INITIAL LUMENS						OPTIONAL (DL)* DAMP LOCATION LISTING	SUITABLE FOR USE IN SEALED & GASKETED LUMINAIRES
	T8, 17-40W	T8, 59-86W	T12, 40-215W	T5, 28W/54W	COMPACT 18-42W	LONG COMPACT 18-39W (1 OR 2 LAMPS) 40-55W (1 LAMP)		
L450	• 450		• 450[1]			• 450		✓
L600	• 600		• 600[1]			• 600	✓	✓
L700A	• 700[2]	• 700	• 700			• 700	✓	✓
L700	•/•• 700	• 700	•/•• 700			•/•• 700	✓	✓
L1400	•/•• 1350	• 1400	•/•• 1100		•/•• 1100	• 900	✓	✓
L1400T				• 800/1100			✓	✓
L3000T L3000ST	•/•• 3000	• 3000	• 3300		•/•• 3200	•/•• 3500	✓ L3000T	
L3000T5				• 2450/2700			✓	
L3400-3	••/••• 3400				•• 3200	•• 3200		

Note: 1) 2'-4' lamps only. 2) Supports (1) 17-32W T8 lamp for 120 minutes.

*Add 'DL' to end of part number.

Low-Profile Fluorescent Ballasts

converts standard fluorescent luminaires into emergency luminaires

features

120/277 VAC, 60 Hz dual voltage input
Maintenance-free, sealed nickel cadmium battery
Constant current battery charging system
Constructed of 22 gauge steel with a powder coat finish
Low-profile housing allows mounting on most low-profile lighting fixtures with AC ballast
Listed suitable for use in sealed and gasketed luminaires

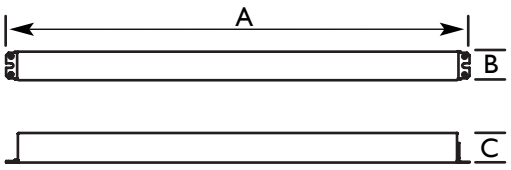
operating temperature range

Standard/Damp Location: 32°F (0°C) to 122°F (50°C)

warranty

Electronics - one year full, Battery - one year full

dimensions



	LTP500T	LTP520T	LTP700	LTP1300T
A	16.7"	18.5"	18.5"	21.5"
B	1.7"	1.18"	1.17"	1.18"
C	1.18"	1.0"	1.18"	1.18"

factory installed options

EX = Special Input Transformer (specify voltage & frequency) (LTP700 only)
DL = Damp Location (LTP700 only)

LAMP TYPE / MAXIMUM INITIAL LUMENS				
	T8/T12	T8/HO	LONG COMPACT 4-PIN	T5, LINEAR
LTP500T	500 (17-40W)		500 (30-42W)	
LTP520T				520 (21W or 28W)
LTP700	650 (17-40W)	650 (17-55W)	650 (18-55W)	650 T5 (28W) T5/HO (54W)
LTP1300T		1300 T8 (17-55W) 1300 T8/HO (17-55W)	1300 (36-55W)	1300 T5 (14-54W) 1300 T5/HO (14-54W)

DLTC

transfer circuit for use with low-voltage down-lighting

features

Two channel device providing switching for up to 75 watts per channel
Combines existing low-voltage lighting with a 12 volt emergency unit power pack, such as LightGuard's LPM (sold separately)
Transfer function occurs independent of wall switch position
During utility power failure, DLTC allows the 12 volt emergency power unit to supply power directly to the lamps of the low voltage lighting fixture
Housing and cover are constructed of 20 gauge galvanized steel
Listed for insulated ceiling systems (IC rated)
Damp Location listed
ETL listed to UL 924 standards

electrical specifications

Input: 12 VAC, 0.72 watts
Output: 12 VDC, 2 channels at 75 watts maximum each

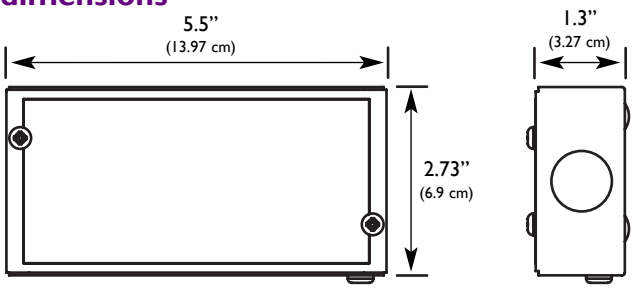
operating temperature range

Damp Location: 32°F (0°C) to 122°F (50°C)

warranty

Three years full

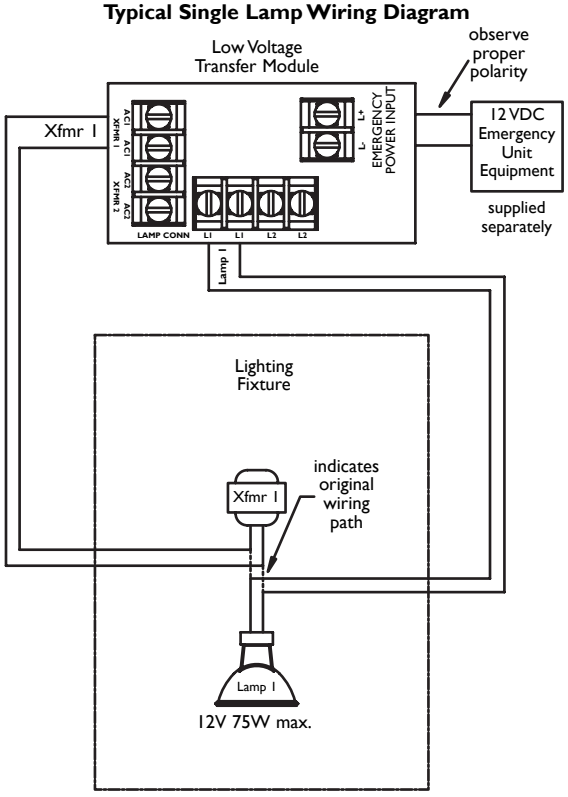
dimensions



ordering information

DLTC
SERIES
DLTC = Down-Lighting Transfer Circuit

Typical Single Lamp Wiring Diagram



FLTC

fluorescent lighting transfer circuit that is generator or inverter compatible

features

120/277 VAC, 60 Hz dual voltage input with all inputs fused to 3 amps
Transfers generator or AC systems power to AC fluorescent lighting ballasts in the event of a utility power failure
Transfer function occurs independent of wall switch position
One FLTC device is required per lighting fixture
Suitable for use in sealed and gasketed luminaires
Housing and cover constructed of 24 gauge galvanized steel
Low-profile housing allows mounting in most low profile fluorescent fixtures with low-profile AC ballast
Wire end caps provided
UL 924 listed, UL Damp Location listing
NFPA 101, NEC, BOCA, OSHA and IBC illumination standards

electrical specifications

Input power requirements: 0.27 mA (120/277 VAC), 1.48 watts

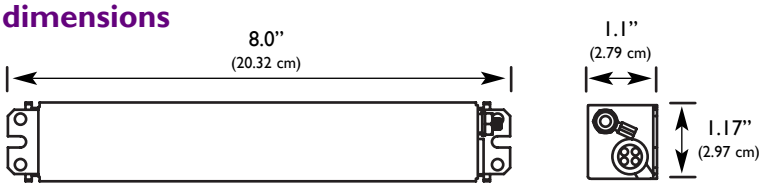
operating temperature range

Damp Location: 32°F (0°C) to 131°F (55°C)

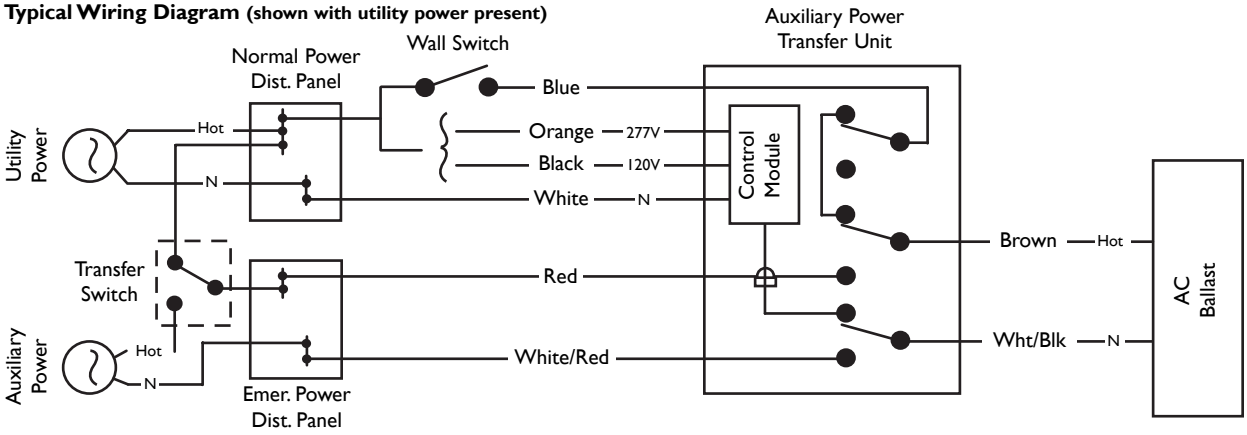
warranty

Five years full

dimensions



Typical Wiring Diagram (shown with utility power present)



ordering information

FLTC
SERIES
FLTC = Fluorescent Lighting Transfer Circuit

Centaurus Linebacker

100 or 250 watt interruptible power supply for emergency lighting applications

features

120 or 277 VAC, 60 Hz dual voltage input and output
Maintenance-free, sealed lead calcium batteries, minimum 90 minutes of emergency operation, 91% nominal lumen output from luminaire
Square wave output, completely solid-state inverter, low-voltage disconnect, brownout protection is 75% of nominal line voltage, DC overload, and short circuit protection
Normally on and/or normally off loads, variable rate, fully automatic, temperature compensated charger
Operates incandescent, fluorescent, and LED lighting loads and is compatible with dimming ballasts
NEMA 1 enclosure, heavy duty steel cabinet with with multiple conduit entries
Surface, recess, and ceiling grid mounting options
UL 924 listed, meets NFPA 101, NEC, BOCA, OSHA and state and local codes, optional self-diagnostics

electrical specifications

Input Power Requirements
100 Watt Models: 0.198 A (120 VAC), 0.080 A (277 VAC)
250 Watt Models: 0.570 A (120 VAC), 0.268 A (277 VAC)

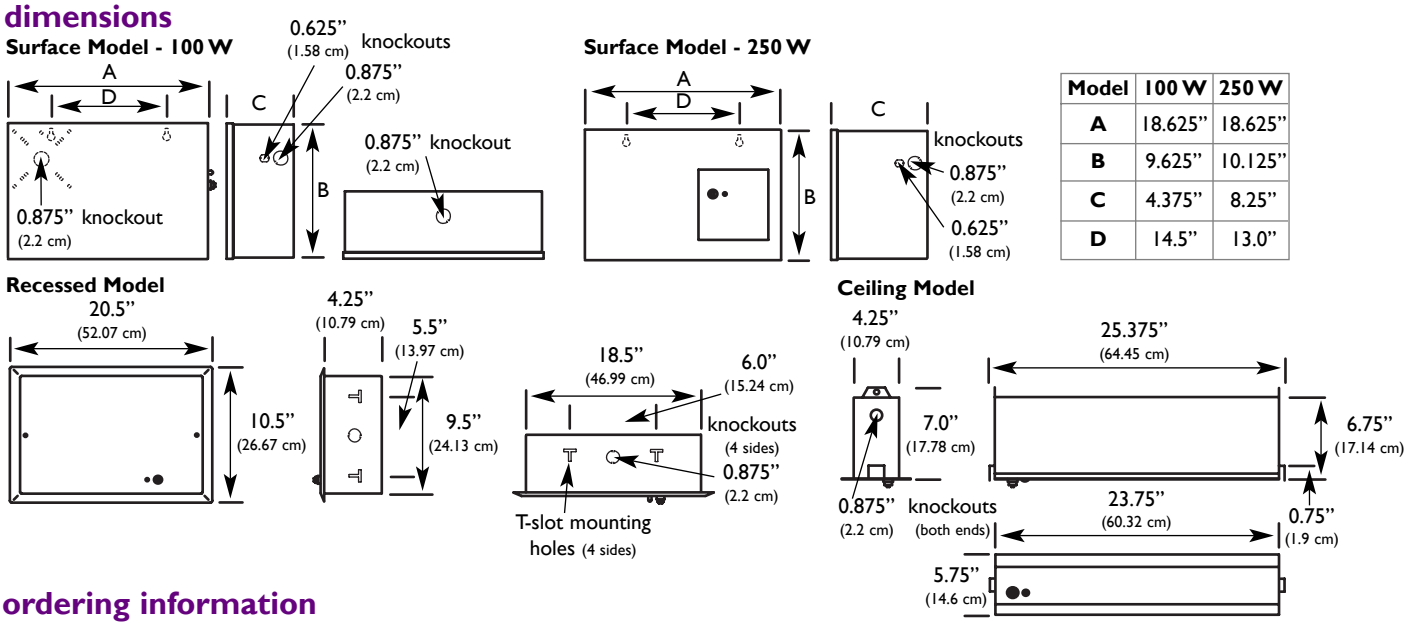
operating temperature range

68°F (20°C) to 86°F (30°C)

warranty

Electronics - three years; Battery - one year full, four years pro-rata

dimensions



Model	100 W	250 W
A	18.625"	18.625"
B	9.625"	10.125"
C	4.375"	8.25"
D	14.5"	13.0"

ordering information

LB			
SERIES	**OUTPUT WATTAGE**	**MOUNTING CONFIGURATION**	**OPTIONS**
LB = Centaurus Linebacker	100 = 100 Watts 250 = 250 Watts* *Available in surface mount only.	T = Ceiling Installation S = Surface Wall Mount R = Recessed Wall Mount	OT = Self-Diagnostics TD1= 120V 15 Minute Time Delay TD2= 277V 15 Minute Time Delay SP = Special Paint (consult factory)
ACCESSORIES (Ordered Separately) LBRT = Remote Test Switch			

Centaurus Linebacker

300 to 600 watt fast transfer power supply for emergency lighting applications

features

120 or 277 VAC, 60 Hz dual voltage input and output
Maintenance-free, sealed lead calcium batteries, minimum 90 minutes of emergency operation, pulse width modulated design (PWM), 98% throughput efficiency
Input circuit breaker, solid state PWM inverter with sine wave output, output fusing standard, output circuit breakers optional
Low-voltage disconnect, fully automatic, temperature compensated, solid-state charging system
Operates incandescent, electronic ballast loads, HID, and LED lighting loads as well as critical loads requiring conditioned emergency power
NEMA 1 enclosure, durable powder coat finish with multiple conduit entries
UL 924 listed, meets NFPA 101, NEC, BOCA, OSHA and state and local codes

operating temperature range

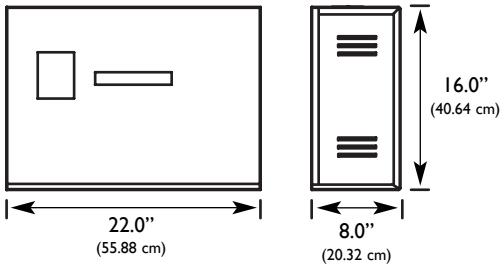
68°F (20°C) to 85°F (30°C)

warranty

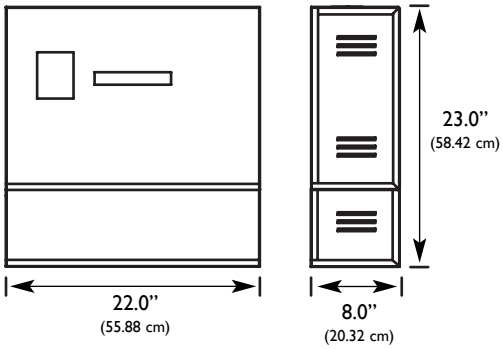
Electronics - three years; Battery - one year full, four years pro-rata

dimensions

300 W, 400 W



600 W



ordering information

LB					
SERIES	**OUTPUT WATTAGE**	**VOLTAGE CONFIG.**	**FACTORY INSTALLED OPTIONAL CIRCUIT BREAKER**		
LB = Centaurus Linebacker	300 = 330 VA / 300 Watts 400 = 660 VA / 400 Watts 600 = 660 VA / 600 Watts	120 = 120V 277 = 277V	**OUTPUT CIRCUIT BREAKERS** 1 = OCB1 2 = OCB2	**OUTPUT CIRCUIT BREAKER VOLTAGE*** A = 120 VAC R = 277 VAC * Output circuit breaker voltage must match the system input voltage.	**OUTPUT CIRCUIT BREAKER RATING** 10 = 10 Amps 15 = 15 Amps 20 = 20 Amps

NightWatch Power Supply

system for low-voltage normal and emergency power

features

Provides continuous low-voltage normal power and emergency power to support 12 VAC NightWatch luminaires
Maintenance-free, sealed lead calcium battery
Electronics consists of three sections to include a fully automatic battery charging system, output transformer and a power failure sensing control circuit that automatically routes battery power to NightWatch luminaires in the event of a power failure
Constructed of 18 gauge die-formed steel and has an easily removable front cover
Top and side knockouts conveniently located to route output circuits or to hardwire the input power
Designed for wall mounting and is provided with keyhole slots on the back for ease of installation
Provided with two pre-wired, three foot cord and plug sets
ETL listed to UL 924 standards

electrical specifications

Input: 120 VAC, 60 Hz, 1.9 A
Normal Output: 12 VAC, 60 Hz, 150 VA/150 W
Emergency Output: 12 VDC, 150 W via two 75 W circuits

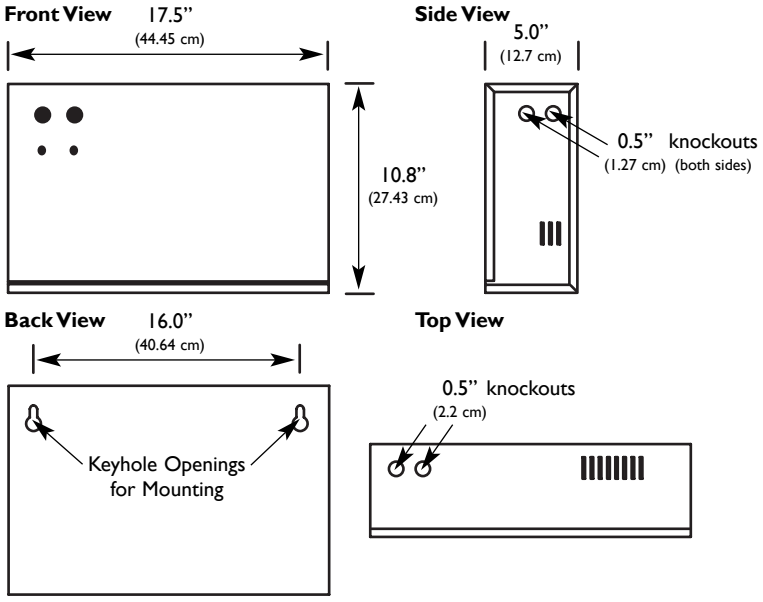
operating temperature range

65°F (19°C) to 85°F (30°C)

warranty

Electronics - three years; Battery - one year full, four years pro-rata

dimensions



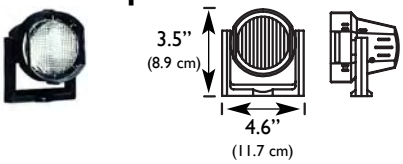
ordering information

NWPS1
SERIES
NWPS1= NightWatch Power System

Remote Lamp Heads

metal chrome and thermoplastic halogen and tungsten lamp heads
6 volt or 12 volt operation

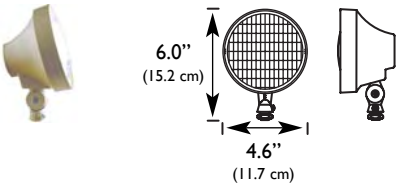
Thermoplastic H-Head



A	VOLTAGE	WATTAGE	TAN	WHITE	BLACK
HALOGEN	6 VOLT	7.0	H76T	H76W	H76B
		12.0	H126T	H126W	H126B
	12 VOLT	12.0	H1212T	H1212W	H1212B

Thermoplastic Round

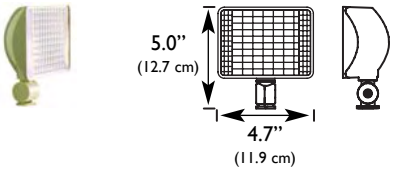
Thermoplastic Round T5 Wedge Base and Bi-Pin



B	VOLTAGE	WATTAGE	TAN	WHITE	BLACK	REPLACEMENT LAMP # LIGHTGUARD #	ANSI #
TUNGSTEN	6 VOLT	5.4	D66T	D66W	D66B	19-2-54	939
		7.2	D76T	D76W	D76B	19-2-58	927
		9.0	D96T	D96W	D96B	19-2-45	908
	12 VOLT	9.0	D912T	D912W	D912B	19-2-53	915
		12.5	D1212T	D1212W	D1212B	19-2-62	922
		17.9	D1812T	D1812W	D1812B	19-2-61	921
HALOGEN	6 VOLT	8.0	DH76T	DH76W	DH76B	19-2-31	N/A
		10.0	DH96T	DH96W	DH96B	19-2-36	N/A
		12.0	DH126T	DH126W	DH126B	19-2-29	N/A
	12 VOLT	12.0	DH1212T	DH1212W	DH1212B	19-2-32	N/A

Thermoplastic Rectangular

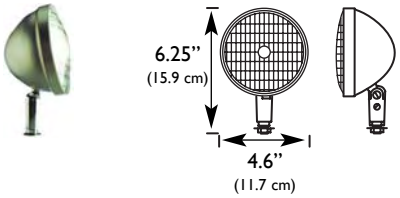
Thermoplastic Rectangular T5 Wedge Base

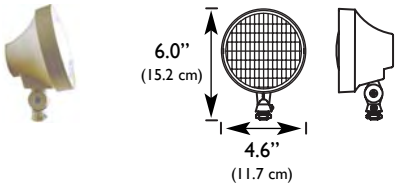


C	VOLTAGE	WATTAGE	WHITE	BLACK	REPLACEMENT LAMP # LIGHTGUARD #	ANSI #
TUNGSTEN	6 VOLT	5.4	J66	J66B	19-2-54	939
		7.2	J76	J76B	19-2-58	927
		9.0	J96	J96B	19-2-45	908
	12 VOLT	9.0	J912	J912B	19-2-53	915
		12.5	J1212	J1212B	19-2-62	922
		18.0	J1812	J1812B	19-2-61	921

Metal Chrome & Thermoplastic

Metal Chrome & Thermoplastic Round Sealed Beam - Par 36

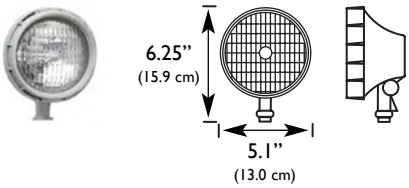




D E	VOLTAGE	WATTAGE	METAL CHROME	THERMOPLASTIC TAN	THERMOPLASTIC WHITE	THERMOPLASTIC BLACK	REPLACEMENT LAMP # LIGHTGUARD #	ANSI #
TUNGSTEN	6 VOLT	8.0	PRL86	DS86T	DS86W	DS86B	19-1-7613	7613
		18.0	PRL186	DS186T	DS186W	DS186B	19-1-4014	4014
		25.0	PRL256	DS256T	DS256W	DS256B	19-1-4510	4510
		30.0	PRL306				19-1-4515	4515
	12 VOLT	12.0	PRL1212	DS1212T	DS1212W	DS1212B	19-1-4044	4044
		18.0	PRL1812	DS1812T	DS1812W	DS1812B	19-1-4414	4414
		25.0	PRL2512	DS2512T	DS2512W	DS2512B	19-1-4446	4446
		30.0	PRL3012				19-1-4405	4405
HALOGEN	24 VOLT	50.0	PRL5024				19-1-4593	4593
	6 VOLT	6.0	PRLH66	DSH66T	DSH66W	DSH66B	19-1-7556	7556
		8.0	PRLH86	DSH86T	DSH86W	DSH86B	19-1-7551	7551
		12.0	PRLH126	DSH126T	DSH126W	DSH126B	19-1-7553	7553
	12 VOLT	8.0	PRLH812	DSH812T	DSH812W	DSH812B	19-1-7555	7555
		12.0	PRLH1212	DSH1212T	DSH1212W	DSH1212B	19-1-7557	7557
		30.0	PRLH3012				19-1-H4405	
		50.0	PRLH5012				19-1-H7604	7604
		50.0	PRLH5012F				19-1-7614	7614

Heavy Industrial Sealed

Heavy Industrial Duty Sealed Beam - Par 36



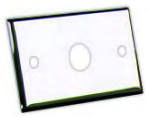
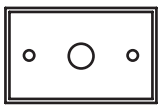
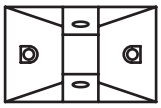
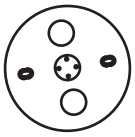
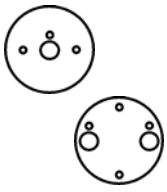
F	VOLTAGE	WATTAGE	CLASS 1, DIV 2 GRAY	NEMA RATED GRAY	REPLACEMENT LAMP # LIGHTGUARD #	ANSI #
TUNGSTEN	6 VOLT	8.0	XA	XM	19-1-7613	7613
		18.0	XB	XN	19-1-4014	4014
		25.0	XC	XO	19-1-4510	4510
		30.0		XP	19-1-4515	4515
	12 VOLT	12.0	XE	XQ	19-1-4044	4044
		18.0	XF	XR	19-1-4414	4414
		25.0	XG	XS	19-1-4446	4446
		30.0		XT	19-1-4405	4405
HALOGEN	6 VOLT	6.0	XY	XZ	19-1-7556	7556
		8.0	XI	XU	19-1-7551	7551
		12.0	XJ	XV	19-1-7553	7553
	12 VOLT	8.0	XK	XW	19-1-7555	7555
		12.0	XL	XX	19-1-7557	7557
		50.0		X5	19-1-H7604	7604
		50.0		X5F	19-1-7614	7614

Mounting Plates

metal chrome, cast aluminum and thermoplastic mounting plates

Lamp Head Types (A-F)

Match mounting plates with lamp head letters on previous page.

		A	B	C	D	E	F
 	Chrome Single Head Fits Single Gang Wall Box	MP1	MP1	MP1	MP1	MP1S	MP1
	Double Head Fits Three Gang Wall Box	MP3	MP3	MP3	MP3	MP3S	MP3
 	Cast Aluminum Weatherproof Single Head Fits 3" or 4" Round Box		CRMP1	CRMP1	CRMP1	MP1WP	CRMP1
	Double Head Fits 3" or 4" Round Box		CRMP2	CRMP2	CRMP2	MP2WP	CRMP2
 	Cast Aluminum Weatherproof Fits Single Gang Box						
	Single Head		CSMP1	CSMP1	CSMP1	MP1R	CSMP1
	Double Head		CSMP2	CSMP2	CSMP2	MP2	CSMP2
 	Thermoplastic 5" Diameter Mounts Directly to Single Gang Wall Box						
	Single Head, Gray						MG1WP
	Single Head, White		MW1	MW1	MW1		
	Single Head, Black		MBLK1	MBLK1	MBLK1		
	Weatherproof Option		-WP	-WP	-WP		included*
 	Double Head, Gray						MG2WP
	Double Head, White		MW2	MW2	MW2		
	Double Head, Black		MBLK2	MBLK2	MBLK2		
	Weatherproof Option		-WP	-WP	-WP		included*
 	Same As Above with 45° Mounting Holes, Fits 3.5" Octagonal Box						
	Double Head, Gray						MG2SWP
	Double Head, White		MW2S	MW2S	MW2S		
	Weatherproof Option		-WP	-WP	-WP		included*
 	Metal Painted Round, Domed for Round or Switch Boxes						
	Single Head White	CP1W	CP1W	CP1W	CP1W		
	Double Head White	CP2W	CP2W	CP2W	CP2W		

*Mounting plates include weatherproof gasket

Decorative Remote Lighting Fixtures

SQ Series - Recessed Square Light

Suitable for indoor or outdoor applications • Rectangular, aluminum construction with a watertight, gasketed door and matte white trim • Flush abolite diffuser

ST Series - Recessed Step Light

Designed for step and walkway lighting • Low profile, rectangular design with a matte white finish

RL Series - Recessed Round Light

Round recessed ceiling unit • Aluminum trim finished in matte white with steel backbox • Fresnel lens flush with ceiling

SS Series, RS Series - Step Light with Lens

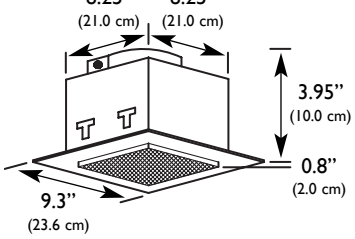
Available in surface or recessed mounting • Steel enclosure with a frosted glass lens • Single or double lamp operation

RG Series - Recessed Round Par 36 Gimbal

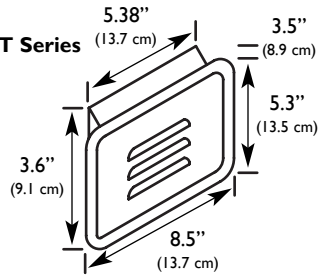
Adjustable gimbal light fixture • Available only with Par 36 sealed beam lamps • Matte white trim ring, spun aluminum housing

dimensions

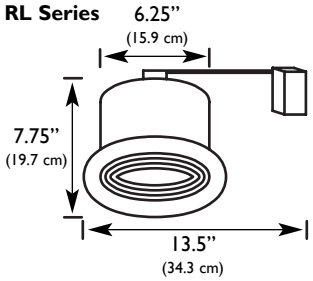
SQ Series



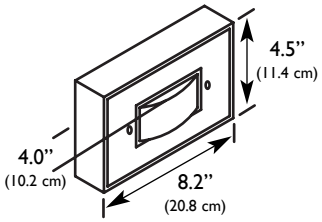
ST Series



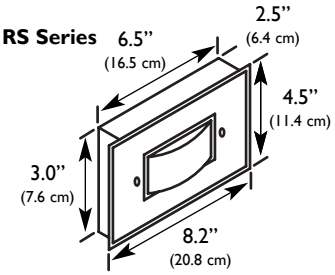
RL Series



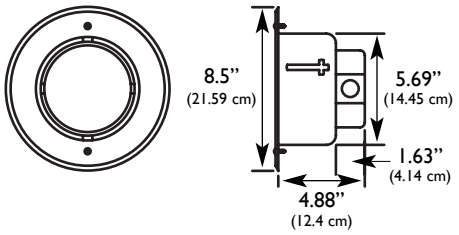
SS Series



RS Series



RG Series



ordering information

SQ, ST, RL, ME, SS, RS Series
Miniature DC Bayonet Base Lamps

SERIES	VOLTAGE	WATTAGE	# OF LAMPS
RL = RL Series Recessed Round Light RS = RS Series Recessed Step Light w/ Lens SQ = SQ Series Recessed Square Light SS = SS Series Surface Step Light w/ Lens ST = ST Series Recessed Step Light	6 = 6 Volt 12 = 12 Volt	**6 Volt** 6 = 6 Watt 12 = 12 Watt 18 = 18 Watt 28 = 28 Watt **12 Volt** 6 = 6 Watt 13 = 13 Watt 18 = 18 Watt	**(RS, SS Only)** 1 = One 2 = Two

RG Series
Par 36 Sealed Beam Lamps

RG		
SERIES	WATTAGE	
RG = RG Series Recessed Gimbal	**6 Volt, Tungsten** 618 = 18 Watt 625 = 25 Watt 630 = 30 Watt **6 Volt, Halogen** H68 = 8 Watt H612 = 12 Watt	**12 Volt, Tungsten** 1212 = 12 Watt 1218 = 18 Watt 1225 = 25 Watt 1230 = 30 Watt **12 Volt, Halogen** H128 = 8 Watt H1212 = 12 Watt

Accessories

wire guards, vandal shield, mounting shelves and universal test remote for emergency lighting units and exit signs

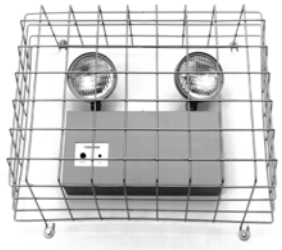
features

Wire guards and the polycarbonate vandal shield provide protection from accidental or intentional abuse of emergency lighting equipment
Ideal for high traffic areas such as schools, gymnasiums and public buildings
Wire guards are made from 12 gauge steel wire, joint-welded for strength
Vandal shield is constructed of a vacuum formed polycarbonate
Mounting shelves have an epoxy powder coat finish

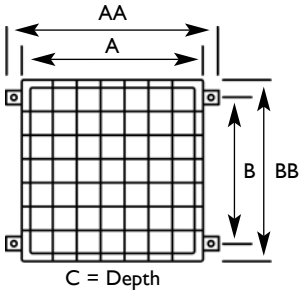
Wire Guards & Vandal Shield

CAT #	FOR USE WITH:	A	AA	B	BB	C
WG	Vectra Series - steel (12V, 200-450W), Vectra Series - steel (24V, 300W,450W), Luminator Series, Guard-Lite Series, E100 II Series - Combination, B200G/170G	20.0" (50.8 cm)	26.0" (66.0 cm)	20.0" (50.8 cm)	26.0" (66.0 cm)	11.0" (27.9 cm)
WG3	Super Square II Series	10.0" (25.4 cm)	12.0" (30.5 cm)	10.0" (25.4 cm)	12.0" (30.5 cm)	5.5" (14.0 cm)
WG4	Wall Mount Thermoplastic, Die Cast, Steel & Tritium Standard Exits, Super Square II Series (fully recessed)	12.5" (31.8 cm)	14.5" (36.8 cm)	15.0" (38.1 cm)	17.0" (43.2 cm)	5.5" (14.0 cm)
WG5	N4X Series, Vectra Series - thermoplastic, Vectra Series - steel (6V, 25-100W), Guard-Lite Series, Unison Series (units), Unison Series - Combination, Vectra Series - steel (12V, 25-150W), Vectra Series - steel (24V, 100W)	16.0" (40.6 cm)	18.0" (45.7 cm)	21.0" (53.3 cm)	23.0" (58.4 cm)	10.0" (25.4 cm)
WG8	ER6/ER12 Series, Top and Back Mount NEMA Standard Exits	12.0" (30.5 cm)	14.0" (35.6 cm)	12.0" (30.5 cm)	14.0" (35.6 cm)	13.0" (33.0 cm)
WG10	Wet Lok - exit, DX Series, E100 II Series and Tritium Series Exits	8.8" (22.4 cm)	N/A	N/A	15.0" 38.1 cm)	15.0" (38.1 cm)
PVS	All Standard Exits, N4X Series, Vectra Series - thermoplastic, ER6/ER12 Series, Unison Series (units), F100/F85	19.4" (W) X 12.3" (H) X 9.0" (D) Outside 19.2" (W) X 12.1" (H) X 8.9" (D) Inside				

Wire Guards

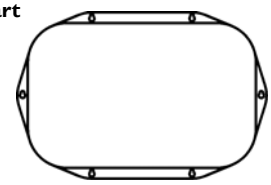


See Chart



PVS - Vandal Shield

See Chart



Mounting Shelves

CAT #	FOR USE WITH:	LENGTH	HEIGHT	WIDTH
SSMP	Vectra Series - steel (6V, 25-50W), Vectra Series - steel (12V, 25-50W)	13.0" (33.02 cm)	8.0" (20.32 cm)	2.75" (6.98 cm)
SMMP	Vectra Series - steel (6V, 75-100W), Vectra Series - steel (12V, 75-50W), Vectra Series - steel (24V, 100W)	15.25" (38.73 cm)	9.0" (22.86 cm)	6.0" (15.24 cm)
SLMP	Vectra Series - steel (12V, 200-450W) Vectra Series - steel (24V, 300W, 450W)	19.0" (48.26 cm)	11.0" (27.94 cm)	7.5" (19.05 cm)
MSSHELFW	Vectra Series - plastic	14.6" (37.1 cm)	5.5" (14.0 cm)	5.3" (13.5 cm)

Smart Charger Electronics for Unit Equipment and Exit Signs

features

The Smart Charger is designed around an 8-bit microprocessor to provide unmatched reliability and performance. Microprocessor controlled standard features include:

8-bit microprocessor (µp)
AC lockout mode, AC power indicator
Charge status indicator
Transformer-isolated input
Audible user interface controls
On-board IR receiver
Optional hand-held IR remote (SCIR)

Charger

The on-board thermal detection feature of the Smart Charger microprocessor allows for a precision temperature compensation algorithm equal to 3 milli-volts per degree C. Standard charger features include:

120/277 VAC, 60 Hz standard input
µp controlled, linear, temperature compensation
Reverse battery polarity detection and protection
Reverse utility power detection and protection

Transfer

µp controlled, solid state
Low-voltage battery disconnect (LVD)
Brownout detection circuit
Optional time delay (15-minute*) for unit equipment
Two available LED output circuits for exit signs
AC line latch

*For compliance to Article 700 of the NEC.

Diagnostics

The Smart Charger diagnostics monitoring circuit is continuous and in real time. The benefits of real time monitoring allows the microprocessor to self-heal fault conditions when remedied, excluding lamp failure on unit equipment (lamp failure is considered most critical and requires a transfer test to clear the fault after re-lamping). In doing so, there is no need to reset the system after maintenance.

Audible and non-audible versions available
Silence alarm button on audible versions
Visual LED fault display
Battery failure, battery disconnect
Charger failure
Lamp/LED failure
Transfer failure

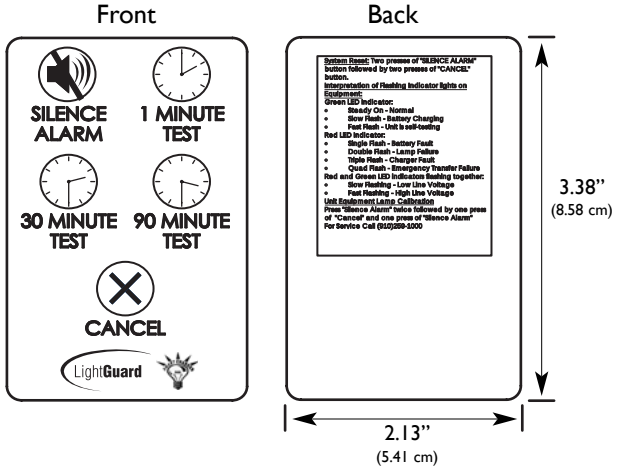
Optional Self-Testing* (standard on select models)

The Smart Charger diagnostic/charging platform with optional self-testing mode automatically runs a one-minute self-test every 30 days and a 30-minute test on the sixth and twelfth month. A one-minute or 90-minute test may be initiated via the push to test switch on the unit or by activating the appropriate test command on the optional IR test device.

*Note: NFPA 101 does not allow a self-testing diagnostics board to run the required annual 90-minute test. Refer to the 2006 version of NFPA 101, section 7.9.3.1.2 (1) through (7).

Available Accessory Item

Hand-Held IR Interface
Indoor range: 30-40 ft.
Outdoor range: varies depending on exposure to sun



ordering information

SCIR
SERIES
SCIR = Smart Charger Infra-Red Remote

Products with Smart Charger

AC Systems

transfer relay, IPS, single phase and three phase UPS systems

features

LightGuard provides a full range of single phase and three phase AC emergency lighting systems to fulfill the life safety requirement of facilities large and small. All of our AC emergency lighting systems are listed to the stringent UL 924 standard. Visit www.lightguard.com for more details.

applications

industrial, warehouse and recreational facilities

Operates critical circuits of high bay luminaires in manufacturing and assembly areas, warehouses and gymnasium facilities to obtain required emergency illumination.

retail, office and institutional facilities

Operates critical circuits of existing luminaires to obtain required emergency illumination. Improves facility aesthetics and reduces risk of failure due to vandalism.

exterior paths of egress and parking facilities

Operates critical circuits of existing luminaires to obtain required emergency illumination. Improves performance in adverse ambient conditions such as cold weather and reduces risk of failure due to vandalism.

hazardous or special classification locations

Operates critical circuits of existing luminaires to obtain required emergency illumination in extreme environments. Install AC systems in a safe, remote environment and operate critical luminaires in areas such as paint facilities, grain facilities and food processing areas. Reduces expense of duplicating emergency and normal operation luminaires.

products

LightSTAR
Light Switch Transfer
Automatic Relay

FLTC20
Dimming system compatible
dual source transfer switch

Centaurus LM-UPS
550-1,500 VA
Single phase, uninterruptible power supply (UPS) for emergency lighting applications.

Centaurus LGT Series
1.5-14.0 kVA
Single phase, uninterruptible power supply (UPS) for emergency lighting applications.

Centaurus LG2 Series
600-2,000 VA
Uninterruptible power supply (UPS) for emergency lighting applications.

LLP
8-104 kW
Three phase, uninterruptible power supply (UPS) for emergency lighting applications.

NFPA 70, National Electrical Code

The following excerpts from the 2005 NFPA 70, National Electrical Code, are provided as a quick overview and may help as a guide in the selection, specification and layout of emergency lighting products.

700-4 Tests and Maintenance.

(A) Conduct or Witness Test. The authority having jurisdiction shall conduct or witness a test on the complete system upon installation and periodically afterward.

(B) Tested Periodically. Systems shall be tested periodically on a schedule acceptable to the authority having jurisdiction to ensure the systems are maintained in proper operating condition.

(C) Battery Systems Maintenance. Where battery systems or unit equipments are involved, including batteries used for starting, control, or ignition in auxiliary engines, the authority having jurisdiction shall require periodic maintenance.

(D) Written Record. A written record shall be kept of such tests and maintenance.

(E) Testing Under Load. Means for testing all emergency lighting and power systems during maximum anticipated load conditions shall be provided.

FPN: For testing and maintenance procedures of emergency power systems (EPSSs), see NFPA 110-2002, *Standard for Emergency and Standby Power Systems*.

700.8 Signs.

(A) Emergency Sources. A sign shall be placed at the service entrance equipment, indicating type and location of on-site emergency power sources.

Exception: A sign shall not be required for individual unit equipment as specified in 700.12(F).

(B) Grounding. Where the grounded circuit conductor connected to the emergency source is connected to a grounding electrode conductor at a location remote from the emergency source, there shall be a sign at the grounding location that shall identify all emergency and normal sources connected at that location.

700.9 Wiring, Emergency System.

(B) Wiring. Wiring of two or more emergency circuits supplied from the same source shall be permitted in the same raceway, cable, box, or cabinet. Wiring from an emergency source or emergency source distribution overcurrent protection to emergency loads shall be kept entirely independent of all other wiring and equipment, unless otherwise permitted in (1) through (4): (1) Wiring from the normal power source located in transfer equipment enclosures. (2) Wiring supplied from two sources in exit or emergency luminaires (lighting fixtures). (3) Wiring from two sources in a common junction box, attached to exit or emergency luminaires (lighting fixtures). (4) Wiring within a common junction box attached to unit equipment, containing only the branch circuit supplying the unit equipment and the emergency circuit supplied by the equipment.

III. Sources of Power

700-12 General Requirements. Current supply shall be such that, in the event of failure of the normal supply to, or within, the building or group of buildings concerned, emergency lighting, emergency power, or both shall be available within the time required for the application but not to exceed 10 seconds. The supply system for emergency purposes, in addition to the normal services to the building and meeting the general requirements of this section, shall be one or more of the types of systems described in 700.12(A) through 700.12(E). Unit equipment in accordance with 700.12(F) shall satisfy the applicable requirements of this article.

In selecting an emergency source of power, consideration shall be given to the occupancy and the type of service to be rendered, whether of minimum duration, as for evacuation of a theater, or longer duration, as for supplying emergency power and lighting due to an indefinite period of current failure from trouble either inside or outside the building.

Equipment shall be designed and located so as to minimize the hazards that might cause complete failure due to flooding, fires, icing and vandalism.

Equipment for sources of power as described in 700.12(A) through 700.12(E) where located within assembly occupancies for greater than 1000 persons or in buildings above 75ft (23m) in height with any of the following classes — assembly, educational, residential, detention and correctional, business, and mercantile — shall be installed either in spaces fully protected by approved automatic fire suppression systems (sprinklers, carbon dioxide systems, and so forth) or in spaces with a 1-hour fire rating.

FPN No. 1: For the definition of occupancy classification, see Section 6.1 of NFPA 101-2003, *Life Safety Code*.

FPN No. 2: Assignment of degree of reliability of the recognized emergency supply system depends on the careful evaluation of the variables at each particular installation.

(A) Storage Battery. Storage batteries used as a source of power for emergency systems shall be of suitable rating and capacity to supply and maintain the total load for a minimum period of 1½ hours, without the voltage applied to the load falling below 87½ percent of normal.

For a sealed battery, the container shall not be required to be transparent. However, for the lead acid battery that requires water additions, transparent or translucent jars shall be furnished. Automotive-type batteries shall not be used.

An automatic battery charging means shall be provided.

(F) Unit Equipment. Individual unit equipment for emergency illumination shall consist of the following: (1) A rechargeable battery. (2) A battery charging means. (3) Provisions for one or more lamps mounted on the equipment, or shall be permitted to have terminals for remote lamps, or both. (4) A relaying device arranged to energize the lamps automatically upon failure of the supply to the unit equipment.

The batteries shall be of suitable rating and capacity to supply and maintain at not less than 87½ percent of the nominal battery voltage for the lamp load associated with the unit for a period of at least 1½ hours, or the unit equipment shall supply and maintain not less than 60 percent of the initial emergency illumination for a period of at least 1½ hours. Storage batteries, whether of the acid or alkali types, shall be designed and constructed to meet the requirements of emergency service.

Unit equipment shall be permanently fixed in place (i.e., not portable) and shall have all wiring to each unit installed in accordance with the requirements of any of the wiring methods in Chapter 3. Flexible cord-and-plug connection shall be permitted, provided that the cord does not exceed 3 feet (900mm) in length. The branch circuit feeding the unit equipment shall be the same branch circuit as that serving the normal lighting in the area and connected ahead of any local switches. The branch circuit that feeds unit equipment shall be clearly identified at the distribution panel. Emergency luminaires (illumination fixtures) that obtain power from a unit equipment and are not part of the unit equipment shall be wired to the unit equipment as required by 700.9 and by one of the wiring methods of Chapter 3.

Exception: In a separate and uninterrupted area supplied by a minimum of three normal lighting circuits, a separate branch circuit for unit equipment shall be permitted if it originates from the same panelboard as that of the normal lighting circuits and is provided with a lock-on feature.

IV. Emergency System Circuits for Lighting & Power

700-15 Loads on Emergency Branch Circuits. No appliances and no lamps, other than those specified as required for emergency use, shall be supplied by emergency lighting circuits.

700-16 Emergency Illumination. Emergency illumination shall include all required means of egress lighting, illuminated exit signs, and all other lights specified as necessary to provide require illumination.

Emergency lighting systems shall be designed and installed so that the failure of any individual lighting element, such as the burning out of a light bulb, cannot leave in total darkness any space that requires emergency illumination.

Where high-intensity discharge lighting such as high- and low-pressure sodium, mercury vapor, and metal halide is used as the sole source of normal illumination, the emergency lighting system shall be required to operate until normal illumination has been restored.

Exception: Alternative means that ensure emergency lighting illumination level is maintained shall be permitted.

NFPA 101, Life Safety Code

The following excerpts from the 2006 NFPA 101, National Fire Protection Association Life Safety Code, are provided as a quick overview and may help as a guide in the selection, specification and layout of emergency lighting products.

SECTION 7.9 EMERGENCY LIGHTING

7.9.1 General.

7.9.1.1 Emergency lighting facilities for means of egress shall be provided in accordance with Section 7.9 for the following: (1) Buildings or structures where required in Chapters 11 through 42. (2) Underground and limited access structures as addressed in Section 11.7. (3) High rise buildings as required by other sections of this *Code*. (4) Doors equipped with delayed-egress locks. (5) The stair shaft and vestibule of smokeproof enclosures, for which the following also apply: (a) The stair shaft and vestibule shall be permitted to include a standby generator that is installed for the smokeproof enclosure mechanical ventilation equipment, (b) The standby generator shall be permitted to be used for the stair shaft and vestibule emergency lighting power supply, (6) New access-controlled egress doors in accordance with 7.2.1.6.2.

7.9.1.2 For the purposes of 7.9.1.1, exit access shall include only designated stairs, aisles, corridors, ramps, escalators, and passageways leading to an exit. For the purpose of 7.9.1.1, exit discharge shall include only designated stairs, ramps, aisles, walkways, and escalators leading to a public way.

7.9.1.3 Where maintenance of illumination depends upon changing from one energy source to another, a delay of not more than 10 seconds shall be permitted.

7.9.2 Performance of System.

7.9.2.1 Emergency illumination shall be provided for not less than 1½ hours in the event of failure of normal lighting. Emergency lighting facilities shall be arranged to provide initial illumination that is no less than an average of 1 ft-candle (10.8 lux) and, at any point, not less than 0.1 ft-candle (1.1 lux), measured along the path of egress at floor level. Illumination levels shall be permitted to decline to not less than an average of 0.6 ft-candle (6.5 lux) and, at any point, not less than 0.06 ft-candle (0.65 lux) at the end of the 1½ hours. A maximum-to-minimum illumination uniformity ratio of 40 to 1 shall not be exceeded.

7.9.2.2 New emergency power systems for emergency lighting shall be at least Type 10, Class 1.5, Level 1, in accordance with NFPA 110, *Standard for Emergency and Standby Power Systems.*

7.9.2.3 The emergency lighting system shall be arranged to provide the required illumination automatically in the event of any interruption of normal lighting due to any of the following: (1) Failure of public utility or other outside electrical power supply. (2) Opening of a circuit breaker or fuse. (3) Manual act(s), including accidental opening of a switch controlling normal lighting facilities.

7.9.2.4 Emergency generators used to provide power to emergency lighting systems shall be installed, tested, and maintained in accordance with NFPA 110, *Emergency and Standby Power Systems*. Stored electrical energy systems, where required in this *Code*, shall be installed and tested in accordance with NFPA 110, *Standard on Stored and Electrical Energy Emergency and Standby Power Systems*.

7.9.2.5 Unit equipment and battery systems for emergency luminaires shall be listed to UL 924, *Standard for Emergency Lighting and Power Equipment.*

7.9.2.6 Existing battery-operated emergency lights shall use only reliable types of rechargeable batteries provided with suitable facilities for maintaining them in properly charged condition. Batteries used in such lights or units shall be approved for their intended use and shall comply with NFPA 70, *National Electrical Code*.

7.9.2.7 The emergency lighting system shall be either continuously in operation or capable of repeated automatic operation without manual intervention.

7.9.3 Periodic Testing of Emergency Lighting Equipment.

7.9.3.1 Required emergency lighting systems shall be tested in accordance with one of the three options offered by 7.9.3.1.1, 7.9.3.1.2, or 7.9.3.1.3.

7.9.3.1.1 Testing of required emergency lighting systems shall be permitted to be conducted as follows: (1) Functional testing shall be conducted at 30-day intervals for not less than 30 seconds. (2) Functional testing shall be conducted annually for not less than 1½ hours if the emergency lighting system is battery powered. (3) The emergency lighting equipment shall be fully operational for the duration of the tests required by 7.9.3.1.1(1) and 7.9.3.1.1(2). (4) Written records of visual inspections and tests shall be kept by the owner for inspection by the authority having jurisdiction.

SECTION 7.10 MARKING OF MEANS OF EGRESS

7.10.1 General.

7.10.1.1 Where required. Means of egress shall be marked in accordance with Section 7.10 where required in Chapter 11 through Chapter 42.

7.10.1.2 Exits, other than main exterior exit doors that obviously and clearly are identifiable as exits, shall be marked by an approved sign that is readily visible from any direction of exit access.

7.10.1.5 Exit Access

7.10.1.5.1 Access to exits shall be marked by approved, readily visible signs in all cases where the exit or way to reach the exit is not readily apparent to the occupants.

7.10.1.5.2 New sign placement shall be such that no point in the exit access corridor is in excess of the rated viewing distance or 100 ft (30 m), whichever is less, from the nearest sign.

7.10.3 Sign Legend.

7.10.3.1 Signs required by 7.10.1 and 7.10.2 shall read as follows in plainly legible letters, or other appropriate wording shall be used: EXIT.

7.10.4 Power Source. Where emergency lighting facilities are required by the applicable provisions of Chapter 11 through Chapter 42 for individual occupancies, the signs, other than approved self-luminous signs and listed photoluminescent signs in accordance with 7.10.7.2, shall be illuminated by the emergency lighting facilities. The level of illumination of the signs shall be in accordance with with 7.10.6.3 or 7.10.7 for the required emergency lighting duration as specified in 7.9.2.1. However, the level of illumination shall be permitted to decline to 60 percent at the end of the emergency lighting duration.

7.10.5 Illumination of Signs.

7.10.5.1 General. Every sign required by 7.10.1.2 or 7.10.1.5, or 7.10.8.1, other than where operations or processes require low lighting levels, shall be suitably illuminated by a reliable light source. Externally and internally illuminated signs shall be legible in both the normal and emergency lighting mode.

7.10.5.2 Continuous Illumination.

7.10.5.2.1 Every sign required to be illuminated by 7.10.6.3, 7.10.7, and 7.10.8.1 shall be continuously illuminated as required under the provisions of Section 7.8, unless otherwise provided in 7.10.5.2.2.

7.10.5.2.2 Illumination for signs shall be permitted to flash on and off upon activation of the fire alarm system.

7.10.6 Externally Illuminated Signs.

7.10.6.1 Size of Signs. Externally illuminated signs required by 7.10.1 and 7.10.2, other than approved existing signs, unless otherwise provided in 7.10.6.1.2, shall read EXIT or shall use other appropriate wording in plainly legible letters sized as follows: (1) For new signs, the letters shall be not less than 6 in. (150 mm) high, with the principal strokes of letters not less than ¾ in. (19 mm) wide. (2) For existing signs, the required wording shall be permitted to be plainly legible letters not less than 4 in. (100 mm) high. (3) The word EXIT shall be in letters of a width not less than 2 in. (51 mm), except the letter I, and the minimum spacing between letters shall be not less than ⅜ in. (9.5 mm). (4) Sign legend elements larger than the minimum established in 7.10.6.1.1(1) through 7.10.6.1.1(3) shall have letter widths, strokes, and spacing in proportion to their height.

7.10.6.2 Size and location of Directional Indicator.

7.10.6.2.1 Directional indicators, unless otherwise provided in 7.10.6.2.2, shall comply with the following: (1) The directional indicator shall be located outside of the EXIT legend, not less than ⅜ in. (9.5 mm) from any letter. (2) The directional indicator shall be of a chevron type, as shown in Figure 7.10.6.2.1. (3) The directional indicator shall be identifiable as a directional indicator at a distance of 40 ft (12 m). (4) A directional indicator larger than the minimum established for compliance with 7.10.6.2.1(3) shall be proportionately increased in height, width and stroke. (5) The directional indicator shall be located at the end of the sign for the direction indicated.

7.10.6.3 Level of Illumination. Externally illuminated signs shall be illuminated by not less than 5 ft-candles (54 lux) at the illuminated surface and shall have a contrast ratio of not less than 0.5.

7.10.7 Internally Illuminated Signs.

7.10.7.1 Listing. Internally illuminated signs shall be listed in accordance with UL 924, *Standard for Safety Emergency Lighting and Power Equipment,* unless they meet one of the following criteria: (1) They are approved existing signs. (2) They are existing signs having the required wording in legible letters not less than 4 in. (100 mm) high. (3) They are signs that are in accordance with 7.10.1.3 and 7.10.1.6.

7.10.9 Testing and Maintenance.

7.10.9.1 Inspection. Exit signs shall be visually inspected for operation of the illumination sources at intervals not to exceed 30 days or shall be periodically monitored in accordance with 7.9.3.1.3.

7.10.9.2 Testing. Exit signs connected to or provided with a battery-operated emergency illumination source, where required in 7.10.4, shall be tested and maintained in accordance with 7.9.3.

NEMA Premium®

The National Electrical Manufacturers Association (NEMA) Emergency Lighting Section launched its Premium Exit Sign Program which establishes standards for and encourages the use of high-performance exit signage with restrictions on energy consumption. Previously, the only standard used for exit signs was that of the ENERGY STAR program which was based solely on energy efficiency and then was terminated after federal mandatory minimum efficiency requirements were established. The NEMA Premium Exit Sign Program is now a single identifier for both life safety performance and energy savings.

The NEMA Premium Exit Sign Program provides the method for identifying efficient and effective models that are consistent with NEMA performance standards and tested in accordance with applicable UL and CSA Standards. Participating products eligible for the NEMA Premium Exit Sign Program are those which illuminate an integral legally required legend that meet NEMA's more stringent 'EM-1 Standard for Premium Exit Signs'. These signs are for installation in accordance with the National Electrical Code (ANSI/NFPA 70) and the Life Safety Code (ANSI/NFPA 101), including exit signs intended for use near the floor. Qualified products of this program bear a special mark that will help lighting professionals and end users recognize the market's highest performing and safest exit signage products on the market and will help support energy efficient objectives.

For more information, please visit: www.nema.org

NEMA Premium is an authorized trademark of the National Electrical Manufacturers Association (NEMA)

NEMA Premium Certified Products

Exceeding Illumination Standards

As life safety lighting illumination requirements have come to the forefront of job requirements, LightGuard has once again raised the bar. We are proud to offer third-party generated IES files to allow the design professional the opportunity to calculate point by point requirements on the front end of the job.

What further separates us from the competition is the fact that we can also assist the design professional by running those calculations from our facility. Like yourself, we take the issue of life safety very seriously and extend our vast knowledge and ability back to the customer to ensure the job you do is designed and installed to save lives.

IES files can be found directly on our website at www.lightguard.com. For point-by-point support, call us at 910-259-1131.

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L2077 5/12 digital edition

Printed in the USA