

Top of Car Safety Rails

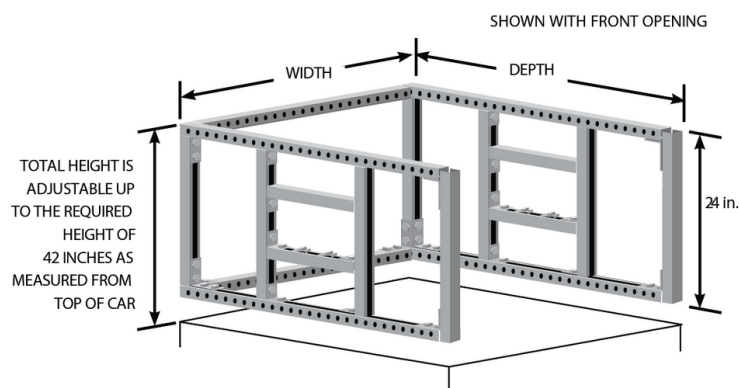
BIG-TOC and LIL-TOC (Top Of Car) safety rail kits install on top of freight and passenger traction elevators to create a safer and more secure car-top environment for both people and their tools. These permanent guardrail kits are easy to install and quickly adjust to the required size.

They are adaptable to both front-opening and front-and-rear opening car types. All rails, bolts, nuts and hardware are included. The major siderail components come pre-assembled. Installation generally takes under an hour. The toe board is ordered separately and serves as an added measure to prevent the loss of tools and other important items.

Determining Width and Depth Requirements for Your TOC Safety Rail Kit

- **Width** – The distance between the roller guide plates determines width, because the TOC side rails mount inside the roller guide plates.
- **Depth** – Measure the inside car depth.
- **Height** – Height is adjustable and is measured from the top of the car to the top handrail of the installed TOC safety rail kit.

NOTE: If clearance between the top of the car and the bottom of the crosshead is less than 18", please call for assistance.



MEGA Stock Code	Toe-board Part Number	Style	Opening	Width (in)	Depth (in)	Weight (lbs)
100-01	100-01TB	LIL-TOC	Front	57 > 82	57 > 82	148
100-03	100-03TB	BIG-TOC 60	Front	69 > 118	69 > 118	184
100-05	100-05TB	BIG-TOC 72	Front	69 > 118	81 > 130	192
100-13	100-13TB	LIL-TOC	Front	45 > 70	69 > 106	158
100-15	100-15TB	LIL-TOC	Front	57 > 82	69 > 106	162
100-17	100-17TB	LIL-TOC	Front	57 > 82	45 > 70	141
100-07	100-07TB	LIL-TOC F&R	Front and Rear	n/a	57 > 82	116
100-09	100-09TB	BIG-TOC 60 F&R	Front and Rear	n/a	69 > 118	142
100-11	100-11TB	BIG-TOC 72 F&R	Front and Rear	n/a	81 > 130	149

Note: Product photos are for reference only.

KE Terminal Limit Switch

How It Works

A magnetically activated cartop-mounted switch array is teamed with rail-mounted actuating magnets to provide consistent bi-directional signals that bring out the best in today's microprocessor-based controls.

Maintenance Free

KE Terminal Limit Switches are reliable, accurate and require no maintenance. Break free from bulky and noisy mechanical cams and switches and the maintenance they require.

Advantages

- Cartop mounting eliminates hoistway rewiring by using available traveling cable conductors
- Straightforward installation on cartop
- Non-contact, noiseless operation—silent inside the car, even on the cartop!
- Rugged, durable switch technology was developed to sense high-speed bullet train position
- Consistent activation flight after flight, year after year
- Set & Forget design requires no adjustment or maintenance once installed
- Better price point than competitive magnetic switches



Many Uses

- Normal terminal slowdown device
- Emergency terminal stopping device
- Speed-limiting device
- Access limit switch
- Earthquake car-to-counterweight switch
- Not for final limits, which must be mechanical per code

MEGA Stock Code	Car Speed	Configuration
KE-8	0 fpm to 350 fpm	Eight switches, eight lanes
KE-14	350 fpm to 1400 fpm	14 switches, 14 lanes

Note: Product photos are for reference only.

HatchLatch® Electromechanical Door Restrictor

HatchLatch® comes standard with all the material you need to protect one elevator up to five floors. To protect more than 5 floors, order additional reflective tape (see table below).

Reflective Tape

You position pieces of reflective tape in the hatchway inside the landing zone and on the door operator.

First Photoeye

When the first of the two HatchLatch photoeyes "sees" the tape in the hoistway, it senses that the elevator is inside the landing zone.

Second Photoeye

When the second HatchLatch photoeye "sees" the tape on the door operator, it picks up a solenoid-controlled plunger.

Plunger

The plunger rises out of the way, clearing the door roller or blocking bracket as the door opens.

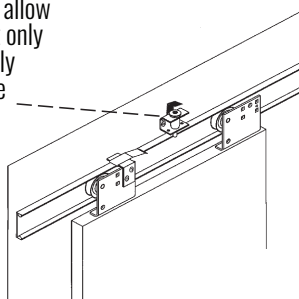
No Exit! Zone

Between landing zones, the photoeye senses no tape reflection...and the plunger holds its door-blocking position.

HatchLatch® Assy Kit

MEGA Stock Code: A835A4

Photoeyes mounted on the car signal a solenoid to "pick" a metal plunger and allow free door movement only when the car is safely inside a landing zone



Note: Product photos are for reference only.



HatchLatch® Identification Component Guide

Call out	MEGA Stock Code	Description
A	A835RPLBOX	EDR ASS'Y w/Box (includes Battery)
B	A835R2	Reflective Tape, 2" x 10 ft (for up to 5 floors)
C	A835HKA3	Hard Ware Kit
D	A835SYSBK	Solenoid w/9ft cable and Z bracket
E	A835PH	Photoeye w/bracket and 9ft cable
F	A835RA	Reflective Angle
G	A835BB	Bracket, 7 GA x 5" x 10"

Replacement Parts and Accessories

Call out	MEGA Stock Code	Description
1	A835MC	Hatch Latch "Money Clip"
2	A835R2P	Reflective Tape, 2" x 150 ft (for up to 75 floors)
3	A835S1	Solenoid w/ 9 ft cable
4	A835PL	Plunger for Solenoid
5	A835 DC	Dust cap for Solenoid plunger – yellow
6	A835PH – BTK	Bracket (for Photoeye)
7	A835SBA3	Solenoid Mounting bracket
8	A835ZC	Solenoid Plunger "Z" bracket
9	PS1250-F1	Battery
-	A835XF	Hatch Latch Transformer (inside box, not shown)

Car Top Fans

MEGA Stock Code	For Use on Cables	CFM	Voltage	Dimension
X2SQ	Two speed	300-345	115 VAC, 60 Hz	12" Dia and 4.25" H
MVS-12	Two speed	250-300	115 VAC, 60 Hz	12" Dia and 5.70" H
MVS-14	Two speed	250-300	115 VAC, 60 Hz	14" Dia and 5.70" H
MVS-OE	Three speed	400-515	115 VAC, 60 Hz	15.60" Dia and 7.10" H
MVS-AA	Three speed	450-700	115 VAC, 60 Hz	21.5"L x 16.6"W x 18.5" H



X2SQ



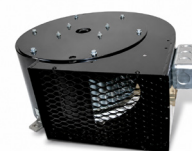
MVS-12



MVS-14



MVS-OE



MVS-AA

Fan Grilles

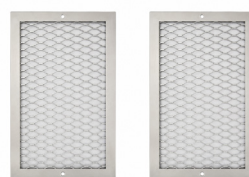
MEGA Stock Code	Hole Cutout	Overall Dia	Application
FG-12-S	9 3/4" D	13 15/16" D	For use with MVS [®] -12
FG-14-S	11 3/4" D	15 15/16" D	For use with MVS-14 and MVS-OE
FG-AA-S	6" x 10 5/8"	7 3/8" x 12"	For use with MVS-AA (2 grilles needed per MVS-AA)



FG-12-S



FG-14-S



FG-AA-S

Alarm Bells

MEGA Stock Code	Description
AB-6D	6" alarm bell, 6V DC
AB-12D	6" alarm bell, 12V DC
AB-24D	6" alarm bell, 24V DC
AB-120A	6" alarm bell, 120V DC
CB-BX	6" Alarm Weather-Proof Back Box



Alarm Bells

Note: Product photos are for reference only.

Inspection Station

Designed to meet ANSI A17.1 Elevator Safety Code Requirements. All models have pre-drilled mounting brackets with ceramic incandescent light bulb socket. Up and down buttons have 2 NO contacts for universal compatibility. Safe button has 1 NO contact. CSA approved.

MEGA Stock Code: TCIG

- Fire service buzzer and jewel, 115v AC
- 3 prong electrical cord outlet
- Ground Fault Circuit Interrupter



TCIG

MEGA Stock Code: TCIG-A

- Fire service buzzer and jewel, 115v AC
- 3 prong electrical cord outlet
- Ground Fault Circuit Interrupter (GFCI)
- 6 Volt Alarm Bell Mounted



TCIG-A

MEGA Stock Code: TCIG-A24

- Fire service buzzer and jewel, 115v AC
- 3 prong electrical cord outlet
- Ground Fault Circuit Interrupter (GFCI)
- 6 Volt Alarm Bell Mounted



TCIG-A24

MEGA Stock Code: TCIG-4X

- NEMA 4X
- GFCI Outlet
- 24 VDC Fire Service



TCIG-4X

MEGA Stock Code: GMS312

- 1 LED lamp – 12W 1000 Lumen 120V
- 1 Common push button – 1NO
- 1 Red LED Pilot Light – AC/DC 24V
- 1 GFCI socket 15A – 125V
- 1 Yellow LED Pilot Light – AC/DC 24V
- 1 Buzzer 30-120 VAC
- 1 Emergency Stop Switch – 2 PCW010SS (Self monitored contacts) + 1NO
- 1 Cam Switch 0-1 Normal – Inspection 90° switching – 2NO + 2NC
- 1 Stopping closing holes
- 1 Knob Selector 0-1 – 1NO
- 1 Up Push Button – 1NO
- 1 Down Push Button – 1NO



GMS312

Note: Product photos are for reference only.

MAN-D-TEC ELEVATOR EMERGENCY LIGHTING SYSTEM

Unique, Patented, Emergency Lighting System, Designed Specifically For Elevator Applications.

MEGA Stock Code: ELS-200

A low-cost solution for emergency lighting. This patented, UL listed 6 volt emergency light system powers a single Man-D-Tec compact remote during a normal power outage.

Contains the following features:

- 1) Small remote design (003 remote) allows emergency code compliant lighting to be supplied in almost any drop ceiling application.
- 2) Our NEW 003 remote provides significantly increased light output, due to our new high efficiency LED design.

For Use With

Man-D-Tec 003 high output remote (standalone compact remote fixture)

Power Supply

BOX MATERIAL060 Aluminum

DIMENSIONS 7" Overall Length
5" Overall Width
3" Overall Height

CHARGER Automatic — Maintains peak battery condition

BATTERY High Capacity, Sealed, 6 volt, Maintenance-Free, Long Life (Part # B-200, incl.)
Exceeds A17.3 4-hour runtime code requirement for emergency lighting

INPUT Line Voltage (110 VAC)

OUTPUT Included Battery (6 VDC)

CUTOFF CIRCUIT Prevents deep discharge from low voltage

TEST SWITCH Verifies system function

COMPACT REMOTE ... Includes ELS-200 power supply and model 003 remote
(ELS-200-003) Attractive aluminum housing
Housing makes lamps vandal resistant
Small design allows mounting above drop ceilings (in vent slot)
4.75"L x 1.1"W x 1.5"H

Alarm Bell

MEGA Stock Code: AB-6D

The ELS-200 Emergency Lighting System is provided with alarm terminals. The optional AB-6D is a loud gong style bell, providing up to 95 dB(A). Please specify this option when ordering



Note: Product photos are for reference only.

MEGA Stock Code: ELS-200-N4

A solution for emergency lighting in applications with hose-directed water or wet locations. This patented, UL listed 6 volt emergency light system powers a single Man-D-Tec compact remote during a normal power outage. The system is designed to NEMA 4, NEMA 4X, & NEMA 12 specifications.

Contains the following features:

- 1) Small remote design (003-N4 remote) allows emergency code compliant lighting to be supplied in almost any elevator. Perfect for elevators with hose-directed water and industrial applications.
- 2) Our NEW 003-N4 remote provides significantly increased light output, due to our new high efficiency LED design.

For Use With

Man-D-Tec 003-N4 high output remote (standalone compact remote fixture)

Power Supply (ELS-200-N4)

ENCLOSURE	Polycarbonate
	Includes silicone rubber gasket and stainless steel screws
BOX MATERIAL	.060 Aluminum
DIMENSIONS.....	10" Overall Length
	7" Overall Width
	4" Overall Height
CHARGER	Automatic — Maintains peak battery condition
BATTERY	High Capacity, Sealed, 6 volt, Maintenance-Free, Long Life (Part # B-200, incl.)
	Exceeds A17.3 4-hour runtime code requirement for emergency lighting
INPUT	Line Voltage (110 VAC)
OUTPUT	Included Battery (6 VDC)
CUTOFF CIRCUIT	Prevents deep discharge
TEST SWITCH	Verifies system function



Compact Remote

Designed To Nema 4, Nema 4x, And Nema 12

ENCLOSURE	Polycarbonate
	Includes silicone rubber gasket and stainless steel screws
ELS-200-003-N4™ ..	Includes ELS-200-N4 power supply and model 003-N4 remote
	Attractive aluminum housing
	Housing makes lamps vandal resistant
	6.25"L x 3.25"W x 3.5"H

Note: Product photos are for reference only.

MEGA Stock Code: ELS-300

This patented, UL listed 6 volt emergency lighting system powers 2 of the Man-D-Tec model 003 compact remotes, and is ideal for elevator cabs with 2 stations (main and secondary).

Contains the following features:

- Small remote design allows emergency code compliant lighting to be supplied in almost any drop ceiling application. For elevators with multiple stations.
- Our NEW 003 remote provides significantly increased light output, due to our new high efficiency LED design.
- Powers (2) two 003 remotes for cabs with multiple stations.

For Use With: (For Main and Secondary Stations)

Man-D-Tec 003 High Output Remote (Standalone Compact Remote Fixture)

Power Supply (ELS-300)

BOX MATERIAL060 Aluminum

DIMENSIONS..... 12" Overall Length
7" Overall Width
4" Overall Height

CHARGER Automatic — Maintains peak battery condition

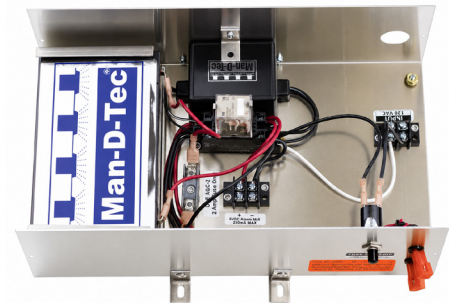
BATTERY High Capacity, Sealed, 6 volt, Maintenance-Free, Long Life (Part # B-3/4, incl.)

INPUT Line Voltage (110 VAC)

OUTPUT Included Battery (6 VDC)

FEATURES Exceeds A17.3 4-hour runtime code requirement for emergency lighting

TEST SWITCH Verifies system function



Compact Remote

ELS-300-003™ Includes ELS-300 power supply and (2) TWO model 003 remotes
Attractive aluminum housing
Housing makes lamps vandal resistant
Small design allows mounting above drop ceilings (in vent slot)
4.75"L x 1.1"W x 1.5"H

Alarm Bell

MEGA Stock Code: AB-6D

The ELS-300 Emergency Lighting System is provided with alarm terminals. The optional AB-6D is a loud gong style bell, providing up to 95 dB(A). Please specify this option when ordering

Note: Product photos are for reference only.

MEGA Stock Code: ELS-400

The ELS-400 is perfect for codes or specifications requiring the same lamp to provide normal and emergency lighting. This 6 volt unit powers two (2) Man-D-Tec low voltage incandescent Minilite® (M-DL™) or two (2) halogen (H-DL™) fixtures during a normal power outage.

Contains the following features:

- Pre-harnessed to plug directly into our halogen (H-DL™) and incandescent Minilite® (M-DL™) systems.
- Simple plug and play installation.
- Exceeds A17.3 4-hour runtime code requirement for emergency lighting

For Use With: (For Main and Secondary Stations)

Man-D-Tec Halogen (H-DL™) — 20 Watt Man-D-Tec Halogen Systems

Man-D-Tec Minilite® (M-DL™) — 20 Watt Man-D-Tec Incandescent Systems

Power Supply (ELS-400)

BOX MATERIAL060 Aluminum

DIMENSIONS..... 12" Overall Length
7" Overall Width
4" Overall Height

CHARGER (2) Automatic — Maintains peak battery condition

BATTERY (2)..... High Capacity, Sealed, 6 volt, Maintenance-Free, Long Life (Part # B-3/4, incl.)
Exceeds A17.3 4-hour runtime code requirement for emergency lighting

INPUT Line Voltage (115 VAC)

OUTPUT Included Battery (6 VDC)

TEST SWITCH Verifies system function

INCLUDED ELS-400 power supply: batteries, chargers, pre-wired for plug and play

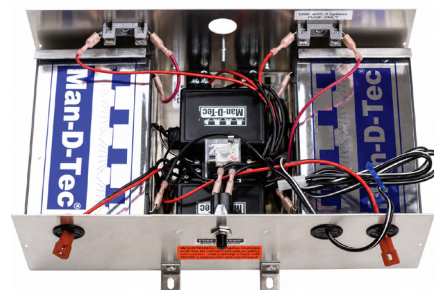
Features

- Pre-harnessed to plug directly into the downlighting system
- Meets architectural requirements calling for the same lamp to provide normal and emergency lighting.
- Powers (2) two H-DL Halogen or (2) two M-DL Minilite 20 watt lighting fixtures

Alarm Bell

MEGA Stock Code: AB-6D

The ELS-400 Emergency Lighting System is provided with alarm terminals. The optional AB-6D is a loud gong style bell, providing up to 95 dB(A). Please specify this option when ordering



Note: Product photos are for reference only.

MEGA Stock Code: ELS-500

The ELS-500 is designed to be tough, and built to last! Converts normal cab lighting of incandescent, halogen, fluorescent or LED to emergency lighting in the event of a normal power failure. This patent-pending UL-listed 120VAC output emergency lighting system powers your choice of one of the following:

- * Two (2) incandescent or halogen lamps up to 50 watts each (100 watts total) OR
- * Two (2) fluorescent lamps up to 40 watts each (80 watts total) OR
- * Two (2) LED lamps up to 40 watts each (80 watts total)

Provides a simple method of meeting code emergency lighting for various lighting designs by using the normal Works with most existing lighting systems and Man-D-Tec systems.

For Use With: (For Main and Secondary Stations)

Two (2) incandescent or halogen lamps (up to 50 watts each, 100 watts total)
Two (2) fluorescent lamps (up to 40 watts each, 80 watts total)
Two (2) led lamps (up to 40 watts each, 80 watts total)

Power Supply (ELS-500)

BOX MATERIAL 16 gauge powder coated steel

DIMENSIONS..... 13" Overall Length
11" Overall Width
8" Overall Height

CHARGER Automatic — Maintains peak battery condition

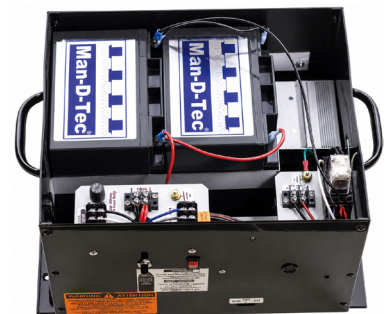
BATTERY High Capacity, Sealed, 12 volt, Maintenance-Free, Long Life
Exceeds A17.3 code 4-hour runtime requirement for emergency lighting

INPUT Line Voltage (120 VAC)

OUTPUT 120 VAC

CUTOFF CIRCUIT Prevents deep discharge from low voltage

TEST SWITCH Verifies system function



Feature

- Alarm terminals for 6 VDC & 12 VDC bell (250mA max)
- Inverter supplies 120VAC emergency power upon normal power loss
- Simple wiring (120 VAC input terminals & 120 VAC output terminals)

Alarm Bell

MEGA Stock Code: AB-6D or AB-12D

The ELS-500 Emergency Lighting System is provided with alarm terminals. The optional Alarm bells are loud gong style bell, providing up to 95 dB(A). Please specify this option when ordering

Note: Product photos are for reference only.

MEGA Stock Code: ELS-SB

A space-saving solution for emergency lighting that functions with several of Man-D-Tec LED down light systems. This patent-pending, 6 volt emergency lighting system allows use of the same LED light fixtures for normal AND emergency lighting. This system is designed to meet A17.3 & ASME 17.3-2008 emergency light code requiring 2 lamps of equal wattage.

During normal power outage, the emergency power supply provides emergency power to any of the following:

- 1) Two (2) SoloBeam® fixtures (mounts inside existing SoloBeam power supply box)
- 2) Two (2) EyeBeam™ fixtures (mounts inside existing EyeBeam power supply box)
- 3) Two (2) EyeBeam-SC™ fixtures (mounts inside existing EyeBeam-SC power supply box)
- 4) Two (2) S2Beam™ fixtures (mounts inside existing S2Beam power supply box)
- 5) Two (2) MiniBeam® fixtures (mounts inside existing MiniBeam power supply box)
- 6) Two (2) SwivelBeam™ fixtures (mounts inside existing SwivelBeam power supply box)

For Use With: (For Main and Secondary Stations)

Man-D-Tec Solobeam: Man-D-Tec LED system, powers 2 fixtures

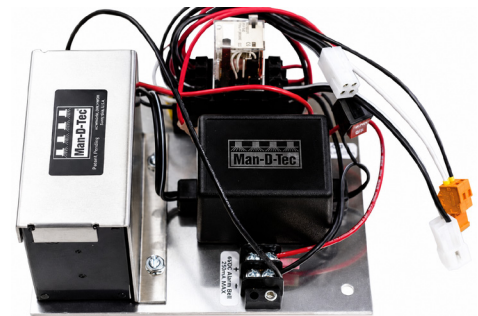
Man-D-Tec Eyebeam: Man-D-Tec LED system, powers 2 fixtures

Man-D-Tec Eyebeam-Sc: Man-D-Tec LED system, powers 2 fixtures

Man-D-Tec S² Beam: Man-D-Tec LED system, powers 2 fixtures

Man-D-Tec Minibeam: Man-D-Tec LED system, powers 2 fixtures

Man-D-Tec Swivelbeam: Man-D-Tec LED system, powers 2 fixtures



Power Supply (ELS-SB)

PLATE MATERIAL060 Aluminum

DIMENSIONS..... 6.75" Overall Length
5.75" Overall Width

CHARGER Automatic — Maintains peak battery condition

BATTERY High Capacity, Sealed, 6 volt, Maintenance-Free, Long Life (Part # B-200-2, inc.)
Exceeds A17.3 4-hour runtime code requirement for emergency lighting

INPUT Line Voltage (115 VAC)

OUTPUT Variable (depending on the LED lighting system)

TEST SWITCH Verifies system function

Feature

- Pre-harnessed to plug directly into fixtures
- Meets architectural requirements calling for the same lamp to provide normal and emergency lighting.
- Plate mounted components allows use in several different Man-D-Tec LED power supplies
- Alarm terminals for 6 VDC bell (250mA max)

Alarm Bell

MEGA Stock Code: AB-6D

The ELS-SB Emergency Lighting System is provided with alarm terminals. The optional AB-6D is a loud gong style bell, providing up to 95 dB(A). Please specify this option when ordering

Note: Product photos are for reference only.

MEGA Stock Code: ELS-LED-2C

An emergency lighting solution for the Man-D-Tec Trifecta® (LED-DL®), aeRoBeam™, and Mini-LED®. This patent-pending, 12 volt emergency lighting system allows use of the same LED light fixtures for normal AND emergency lighting. This system is designed to meet A17.3 emergency light code requiring 2 lamps of equal wattage.

During normal power outage, power supply provides emergency power to the following Man-D-Tec LED systems:

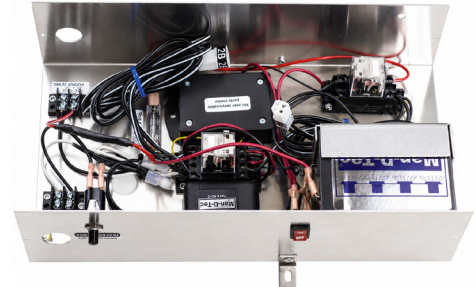
- 1) Two (2) Trifecta® (LED-DL®) fixtures OR
- 2) Up to Six (6) Mini-LED® fixtures
- 3) Two (2) aeRoBeam™ fixtures

For Use With: (For Main and Secondary Stations)

Man-D-Tec Trifecta® (Led-DL®): Man-D-Tec LED system, powers 2 fixtures

Man-D-Tec Aerobeam™: Man-D-Tec LED system, powers 2 fixtures

Man-D-Tec Mini-Led®: Man-D-Tec LED system, powers up to 6 fixtures



Power Supply (ELS-LED-2C)

BOX MATERIAL060 Aluminum

DIMENSIONS..... 13.5" Overall Length
7" Overall Width
4" Overall Height

CHARGER Automatic — Maintains peak battery condition

BATTERY High Capacity, Sealed, 12 volt, Maintenance-Free, Long Life (Part # B-200-2, included)
Exceeds A17.3 4-hour runtime code requirement for emergency lighting

INPUT Line Voltage (115 VAC)

OUTPUT Variable (depending on Trifecta, aeRoBeam, or Mini-LED lighting system)

CUTOFF CIRCUIT Prevents deep discharge from low voltage

TEST SWITCH Verifies system function

Alarm Bell

MEGA Stock Code: AB-6D

The ELS-LED-2C Emergency Lighting System is provided with alarm terminals. The optional AB-6D is a loud gong style bell, providing up to 95 dB(A). Please specify this option when ordering

Note: Product photos are for reference only.

MEGA Stock Code: ELS-IR

A simple solution for adding emergency lighting to the Man-D-Tec DecaLite™, Illuminator®, or UniLED™. This emergency light system powers up to 8 linear feet of Man-D-Tec DecaLite, 18 linear feet of Man-D-Tec Illuminator, or up to 4 linear feet of UniLED during a normal power outage.

Benefits and features:

- Provides a simple method of meeting code emergency lighting by using the normal lighting fixtures.
- Designed to work with our DecaLite, Illuminator, and UniLED power supplies, allowing for fast plug and play installation.
- No need to order special DecaLite lengths - powers up to 8 linear feet!
- No need to order special Illuminator lengths - powers the whole feed, up to 18 linear feet!
- No need to order special UniLED lengths - powers up to 4 linear feet!

For Use With: (For Main and Secondary Stations)

Man-D-Tec Decalite, Illuminator, Or UniLED Lighting

Power Supply (ELS-IR)

BOX MATERIAL060 Aluminum

DIMENSIONS..... 13.019" Overall Length
6.32" Overall Width
4.431" Overall Height

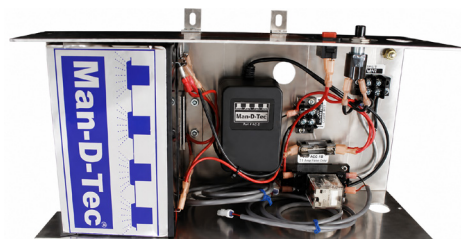
CHARGER Automatic — Maintains peak battery condition

BATTERY High Capacity, Sealed, Maintenance-Free, Long Life (Part # B-18, incl.)
Exceeds A17.3 4-hour runtime code requirement for emergency lighting

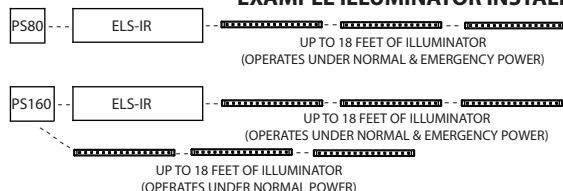
INPUT Line Voltage (115 VAC)

OUTPUT Included Battery

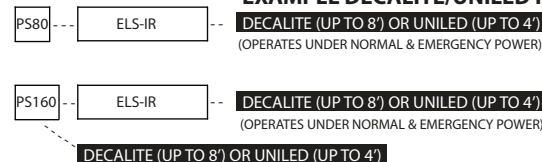
TEST SWITCH Verifies system function



EXAMPLE ILLUMINATOR INSTALLATION DIAGRAM



EXAMPLE DECALITE/UNILED INSTALLATION DIAGRAM



Alarm Bell

MEGA Stock Code: AB-6D

The ELS-IR Emergency Lighting System is provided with alarm terminals. The optional AB-6D is a loud gong style bell, providing up to 95 dB(A). Please specify this option when ordering.

Note: Product photos are for reference only.