

SINCE 1945
KEYSTONE
LIGHT MADE EASY

SMART//SAFE
LED EMERGENCY BACK-UP




The Lighting Company
YOUR LIGHTING SOLUTION

LIGHT MADE EASY

For those inevitable times when effective, reliable emergency lighting is essential

KEYSTONE SMART SAFE LIGHTS THE WAY.

Choose Keystone SmartSafe to provide quality emergency back-up lighting that works with your lighting system in the moments when it really counts.

RELIABILITY

In order to meet safety code requirements, lighting fixtures must provide a minimum of 90 minutes of emergency lighting in the event of a power failure. When normal AC power fails, Keystone SmartSafe LED Emergency Back-up Solutions instantly detect power loss and immediately supply emergency power to the fixture to provide temporary emergency egress lighting. When AC power is restored, SmartSafe automatically returns to stand-by mode.

Keystone SmartSafe combines 20-54 Volt DC, Class 2, Constant Power output, providing emergency illumination for the full 90-minute run time.



CONFIDENCE

Keystone SmartSafe LED Emergency Back-up Solutions allow LED fixtures to meet or exceed safety codes for emergency lighting. Specifiers, building owners or facility management may choose to go beyond minimums in their effort to keep people and property safe.

SmartSafe operates in tandem with the AC LED driver and lighting layout to provide code-required emergency illumination for both factory and field-install applications, delivering the added value of safety and compliance.

SmartSafe is tested by Underwriters' Laboratories (UL) in accordance with standards set forth in UL 924, "Emergency Lighting and Power Equipment" and allows for both UL Classified Field and factory installation. You can feel confident with Keystone SmartSafe installed.



LIGHT MADE EASY

SIMPLICITY

Keystone SmartSafe can be installed inside, above, near or remote from the fixture, depending on factors such as fixture type and design, emergency lighting product, and product model.

SmartSafe LED Emergency Back-up Solutions save time and reduce labor costs. A qualified electrician can typically install SmartSafe in less than 15 minutes. That's Keystone, Light Made Easy™.



1. INSTALL



2. CONNECT



3. TEST



VERSATILITY

Keystone SmartSafe LED Emergency Backup Solutions are available in many configurations which cover a wide variety of potential fixture applications. SmartSafe simply installs either directly into the fixture or via remote mounting, tying into both the existing AC driver and LED module(s).

FEATURES AND BENEFITS OF ALL SMART SAFE SOLUTIONS OPTIONS

- Designed for almost any new or existing LED fixture
- Optional flex cable(s) allows for a variety of remote mounting options
- 2-in-1 LED test switch and indicator light provide instant reassurance that the system is working
- Reliable operation with minimum 90 minute duration
- Test switch wall plate included with dual flex (DF) cable and rear junction with single flex cable (RJSF) versions

SMART SAFE 2-PIECE

Great for new fixture designs, with these additional features and benefits:

- Standard battery pack has a metal shroud so it can be mounted remotely from the fixture (standard battery only)
- Optional narrow battery (with no metal shroud) available for tight mounting locations

SMART SAFE KIT

Designed for field installation

- Includes emergency LED driver, battery, and LED module
- Included LED module provides light source during emergency operation of the fixture
- Adds emergency lighting capability to multiple fixture types
- Battery is separate from the driver
- Battery pack has a metal shroud so it can be mounted remotely from the fixture



KEYSTONE ANSWERS THE CALL for Versatile Emergency Back-Up Lighting Solutions in LED Applications

Keystone SmartSafe provides solutions for all types of new and existing LED lighting fixtures and systems, including our kit version, specifically designed for direct-wire LED tube fixtures and fluorescent fixtures. Whether linear troffer, recessed or unique low profile designs, we have a solution that fits easily and securely.

The chart below is a reference guide for SmartSafe Emergency Back-Up Lighting Solutions. For more detailed specifications, please refer to www.keystonetech.com/smartsafe.



TROFFER LIGHT FIXTURE



LOW PROFILE LIGHT FIXTURE



RECESSED LIGHT FIXTURE

Keystone SmartSafe Solutions		Approvals			Output Characteristics			Wire Type	LED Module Included	Narrow Battery Option	Type of Installation	Rated Location	Driver Dimensions	Battery Dimensions
Type	Catalog Number	UL Classified	UL Listed	UL Recognized	Power	Rated Current	Voltage							
Kit	KT-EMRG-LED-5-500-K1	•			5W	400mA-100mA	12-41Vdc	Standard Side Exit	•		Field or Factory Installation	Dry or Damp	6.45"L x 1.37"W x 1.00"H	8.10"L x 1.97"W x .98"H
	KT-EMRG-LED-12-1200-K1	•			12W	1000mA-200mA	12-41Vdc	Standard Side Exit	•				6.45"L x 1.37"W x 1.00"H	9.45"L x 2.23"W x 1.02"H
1 Piece Enclosed	KT-EMRG-LED-5-500-EN		•		5W	250mA-100mA	20-54Vdc	Standard Side Exit			Field or Factory Installation	Dry or Damp	9.50"L x 2.38"W x 1.90"H	Integral with Driver
	KT-EMRG-LED-5-500-EN /DF		•		5W	250mA-100mA	20-54Vdc	Dual Flex					9.50"L x 2.38"W x 1.90"H	Integral with Driver
	KT-EMRG-LED-5-500-EN /RJSF		•		5W	250mA-100mA	20-54Vdc	Rear Junction, Single Flex					9.50"L x 2.38"W x 1.90"H	Integral with Driver
	KT-EMRG-LED-12-1200-EN		•		12W	550mA-245mA	20-54Vdc	Standard Side Exit					13.30"L x 2.37"W x 1.50"H	Integral with Driver
	KT-EMRG-LED-12-1200-EN /DF		•		12W	550mA-245mA	20-54Vdc	Dual Flex					13.30"L x 2.37"W x 1.50"H	Integral with Driver
	KT-EMRG-LED-12-1200-EN /RJSF		•		12W	550mA-245mA	20-54Vdc	Rear Junction, Single Flex					13.30"L x 2.37"W x 1.50"H	Integral with Driver
2 Piece	KT-EMRG-LED-5-500 /A			•	5W	250mA-100mA	20-54Vdc	Standard Side Exit			Factory Installation	Dry or Damp	6.45"L x 1.37"W x 1.00"H	8.10"L x 1.97"W x .98"H
	KT-EMRG-LED-5-500 /NB			•	5W	250mA-100mA	20-54Vdc	Standard Side Exit					6.45"L x 1.37"W x 1.00"H	14.84"L x 1.06"W x 1.02"H
	KT-EMRG-LED-12-1200 /A			•	12W	550mA-245mA	20-54Vdc	Standard Side Exit	•				6.45"L x 1.37"W x 1.00"H	1.02"L x 2.23"W x 9.45"H
	KT-EMRG-LED-12-1200 /NB			•	12W	550mA-245mA	20-54Vdc	Standard Side Exit	•				6.45"L x 1.37"W x 1.00"H	16.73"L x 1.14"W x 1.10"H



ENVIRONMENTALLY RESPONSIBLE

Keystone SmartSafe Emergency Back-up Lighting Solutions are designed and manufactured in compliance with RoHS standards to minimize the environmental impact of our electronic equipment from the earliest stages of the production process through end-of-life recycling. The responsible design of SmartSafe utilizes quality-driven and RoHS verified components that support Keystone's superior product performance as well as our commitment to a clean environment. Join us in caring for our environment by disposing of all lighting products with a qualified recycler.



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