KT-SWLED45PS-4A-8CSA-VDIM-P
LED STAIRWELL FIXTURE

DESCRIPTION
4' LED Stairwell Fixture | 120−277V Input | Frosted Lens |
0−10V Dimming | Premium Series

APPLICATION
Used in commercial and retail applications. Ideal for use in stairwells, corridors, and hallways.
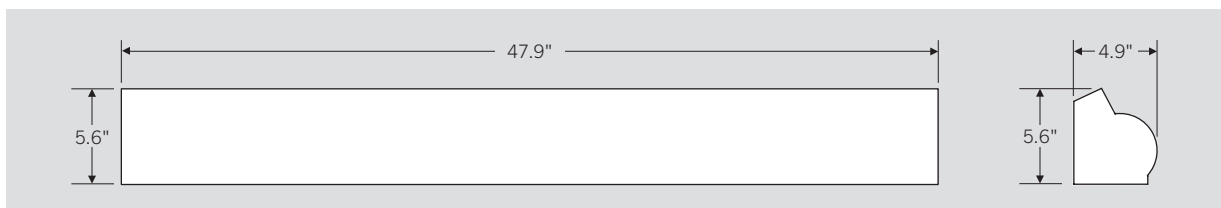
PRODUCT FEATURES
- Powered by Keystone 0−10V dimming LED drivers
- Post-painted steel body; PMMA lens
- Smooth, diffused lens for an even appearance
- 0-10V dimming
- Compatible with Keystone SmartSafe emergency LED drivers: KT-EMRG-LED-5C-500 or KT-EMRG-LED-12C-1200 are optimal for fixture level installation
- Includes integrated ultrasonic dimming occupancy sensor
- Ambient operating temperature: −20ºC/−4ºF to 50ºC/122ºF

- UL Listed 1598: Suitable for damp locations
- THD: < 20%
- Power factor: > 0.95
- L70: > 50,000 hours
- DLC Listed
- Keystone Color Select Technology: Adjustable CCT (3500K, 4000K, or 5000K)
- Keystone Power Select Technology: Adjustable wattage (45W, 35W, or 30W)

PRODUCT SPECIFICATIONS

Catalog Number	Wattage	CCT	Lumen Output	Efficacy	Input Voltage	CRI	Dimming	Lifetime
KT-SWLED45PS-4A-8CSA-VDIM-P	45W	3500K	5,490	122 lm/W	120-277V	> 80	0−10V Dim-to-Off	50,000 hrs
		4000K	5,535	123 lm/W				
		5000K	5,580	124 lm/W				
	35W	3500K	4,480	128 lm/W				
		4000K	4,515	129 lm/W				
		5000K	4,550	130 lm/W				
	30W	3500K	3,930	131 lm/W				
		4000K	3,960	132 lm/W				
		5000K	3,990	133 lm/W				

PHYSICAL SPECIFICATIONS

47.9"
5.6"
4.9"
5.6"

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SENSOR INFORMATION

Occupancy Sensing: 0–10V dimmer connects to 0–10V control on the LED driver. When motion is detected the sensor will bring lighting up to 100% lumen output. When no motion is detected for the length of selected Time Delay, the sensor will send a signal to dim lighting to a specific level set by the end-user.
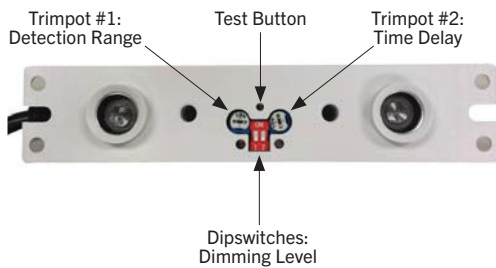
Test Mode: Test Mode sets the time delay to five seconds and runs for 5 minutes. LED flashes 2 times to indicate Test Mode started. After 5 minutes (or push the Test Mode button again), LED flashes 3 times, the sensor returns to the selected time delay. During test mode, full output when triggered, and dimming level reflects the dip switch setting.

Relay Control: Two additional High and Low motion outputs can be used to control relays or other control circuitry.

Sensor Type	Ultrasonic occupancy sensor
Input Voltage | Current Consumption	12–24VDC | 45mA sensor
0–10V Output	100mA, up to 50 LED sink drivers
High	Vin–2.5V 100mA source
Low	100mA sink current
Mounting Height	Fixture wall mount or ceiling mount at 8–12' (2.4–3.7m)
[Low/Med/High] Max Range* (Wall-Mounted)	13' (4.0m) / 18' (5.5m) / 35' (10.7m)
Time Delays (TD1)	1 min, 5 min, 20 min
Operating Temperature	−30°C/−22°F to 70°C/158°F
Storage Temperature	−40°C/−40°F to 80°C/176°F
Relative Humidity	90–95% non-condensing at 30°C/86°F
Color	White
Warranty	5 years

Results may vary based on mounting height, angle, floor material, and line-of-sight.
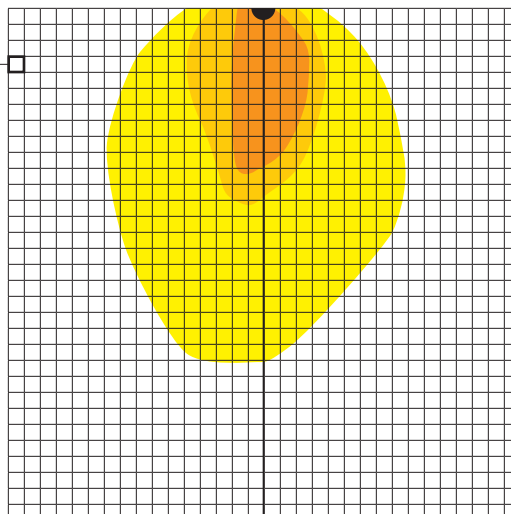
SETTINGS ADJUSTMENTS

Trimpot #1:
Detection Range

Test Button

Trimpot #2:
Time Delay

Dipswitches:
Dimming Level

Dipswitch 1	Dipswitch 2	DIM Level
OFF	OFF	OFF
OFF	ON	10%
ON	OFF	25%
ON	ON	50%

LIGHTING COVERAGE AND DISTRIBUTION PATTERN

• Photometric layout for general reference only
• Stairwell fixture wall-mounted at 7.9 ft
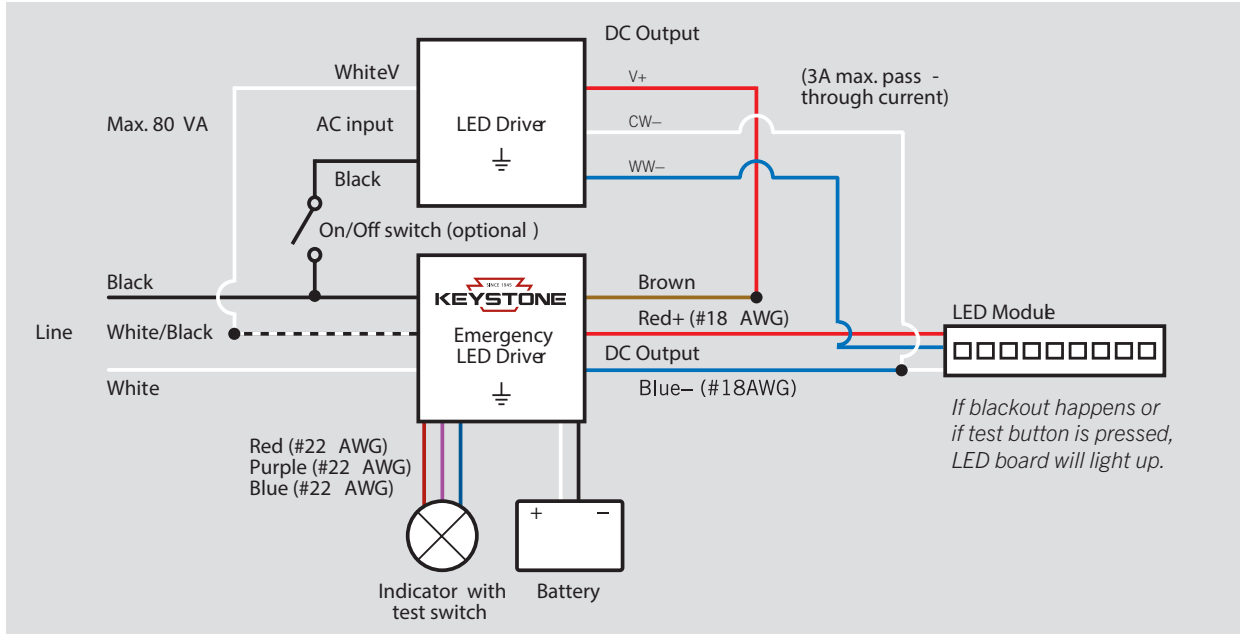• Aerial view
• Grid dimension: 1.64 sq ft (0.5 sq m)

■ High Coverage
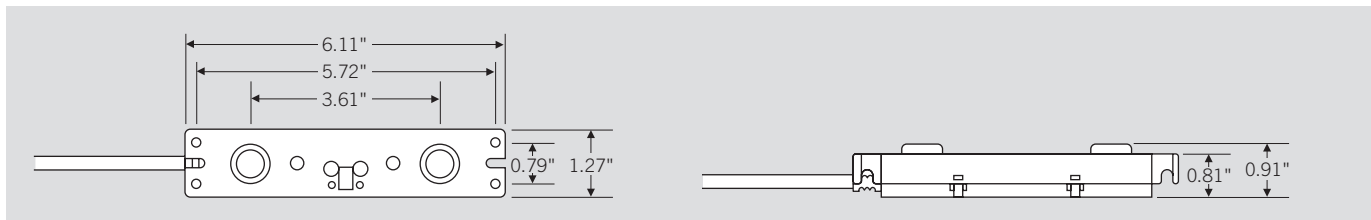■ Medium Coverage
■ Low Coverage

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EMERGENCY PACK WIRING DIAGRAM

DC Output

WhiteV

Max. 80 VA   AC input   LED Driver

Black

On/Off switch (optional)

V+

CW–

WW–

(3A max. pass - through current)

Black

Line   White/Black

White

KEYSTONE
Emergency
LED Driver

Brown

Red+ (#18 AWG)

DC Output

Blue– (#18AWG)

LED Module

Red (#22 AWG)
Purple (#22 AWG)
Blue (#22 AWG)

Indicator with
test switch

Battery

*If blackout happens or
if test button is pressed,
LED board will light up.*

SENSOR SPECIFICATIONS

6.11"
5.72"
3.61"
0.79" 1.27"
0.81" 0.91"

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ORDERING INFORMATION

Catalog Number	Pack Quantity	Easy Code	UPC
KT-SWLED45PS-4A-8CSA-VDIM-P	TBD	TBD	TBD

ACCESSORIES (SOLD SEPARATELY)

Accessory	Catalog Number	Description
SmartSafe Emergency Battery Backup	KT-EMRG-LED-5C-500	5W, 500 lumen SmartSafe emergency battery backup with narrow battery
	KT-EMRG-LED-12C-1200	12W, 1200 lumen SmartSafe emergency battery backup with narrow battery
Wire Guard	KT-SWLED-WG-2-KIT	Wire Guard for 4A LED Stairwell fixture

CATALOG NUMBER BREAKDOWN

KT-SWLED45PS-4A-8CSA-VDIM-P
1 2 3 4 5 6 7 8 9 10 11 12

1 **Keystone Technologies**
2 **LED Stairwell Fixture**
3 **Wattage**
4 **Power Select**
5 **4' Nominal Length**
6 **Light Distribution Type**
7 **800 Series**
8 **Color Select**
9 **Color Select Designation**
10 **0—10V Dimming**
11 **Premium Series**
12 **Options**

9 Color Select Designation

A	3500K, 4000K, 5000K
B	3000K, 4000K, 5000K
C	3000K, 3500K, 4000K, 5000K

12 Options

Blank	No Options
/EMRG-5	Factory-installed 5W Emergency Pack
/EMRG-12	Factory-installed 12W Emergency Pack