KT-SWLED25PS-2A-8CSA-VDIM-P
LED STAIRWELL FIXTURE

DESCRIPTION

2' 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.
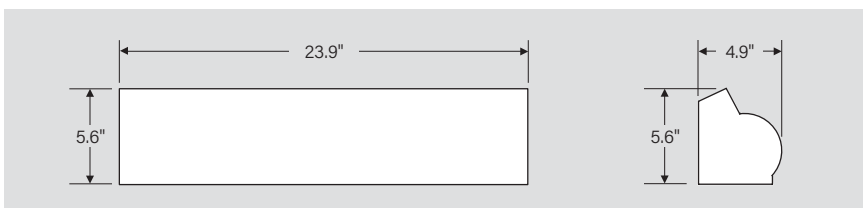
10 YEAR LIMITED WARRANTY

PRODUCT FEATURES

- Features Keystone Power Select technology (25/20/15W). Adjust power between 25/20/15W, changing lumen output to set high end trim.
- Features Keystone Color Select technology (3500/4000/5000K)
- Powered by Keystone 0–10V dimming LED drivers, dimmable to 10%
- Post-painted steel body; PMMA lens
- Smooth, diffused lens for an even appearance
- UL Listed 1598: Suitable for damp locations

- Ambient operating temperature: −20ºC/−4ºF to 50ºC/122ºF
- 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
- LED lifetime: L70 >100,000 hours @ 25°C ambient fixture temperature
- THD: < 20%
- Power factor: > 0.95

PRODUCT SPECIFICATIONS

Catalog Number	Wattage	CCT	Lumen Output	Efficacy	Input Voltage	CRI	Dimming	Lifetime
KT-SWLED25PS-2A-8CSA-VDIM-P	25W	3500K	3,100	124 lm/W	120-277V	> 80	0–10V Dim-to-Off	50,000 hrs
		4000K	3,125	125 lm/W				
		5000K	3,150	126 lm/W				
	20W	3500K	2,540	127 lm/W				
		4000K	2,560	128 lm/W				
		5000K	2,580	129 lm/W				
	15W	3500K	1,950	130 lm/W				
		4000K	1,965	131 lm/W				
		5000K	1,980	132 lm/W				

PHYSICAL SPECIFICATIONS

23.9"
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.
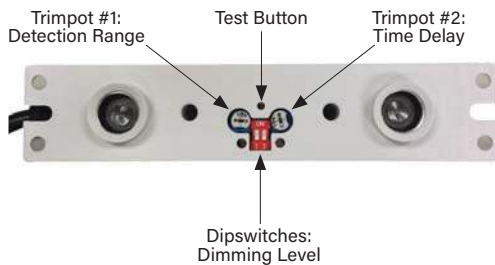
Test Mode: Test Mode sets the time delay to five seconds and runs for 5 minutes. LED flashes 2 times to indicate Test Mode started. After 5 minutes (or push the Test Mode button again), LED flashes 3 times, the sensor returns to the selected time delay. During test mode, full output when triggered, and 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) height
[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
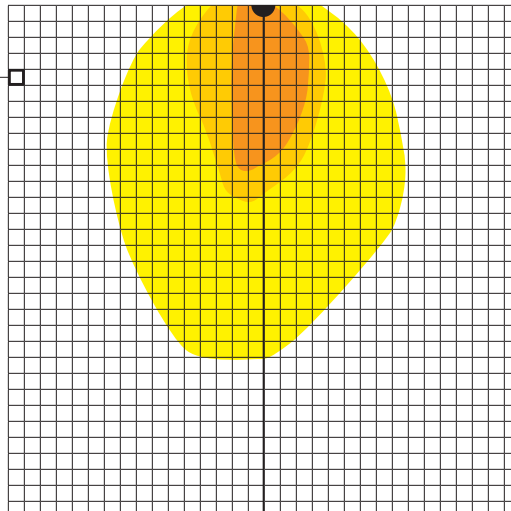
Trimpot #1: Detection Range

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
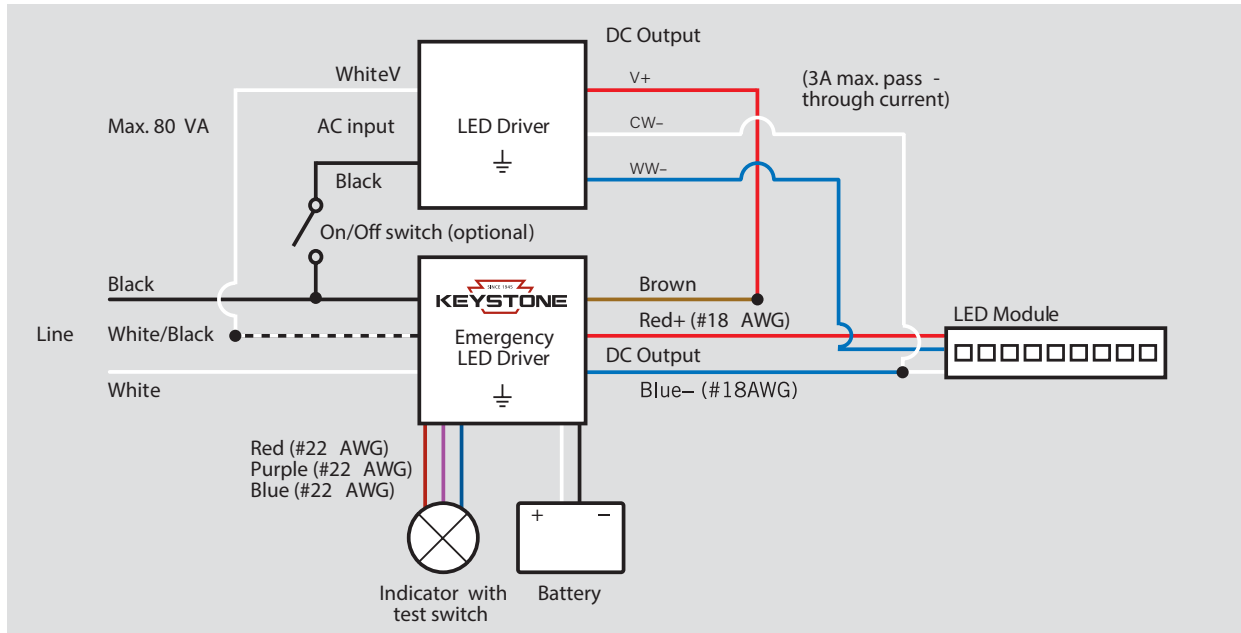- Aerial view
- Grid dimension: 1.64 sq ft (0.5 sq m)
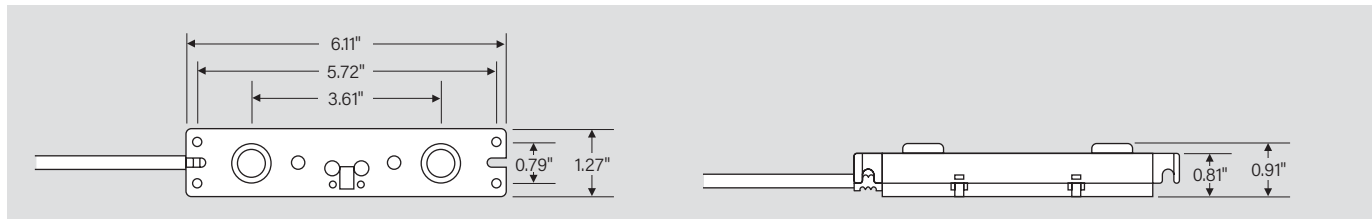
High Coverage
Medium Coverage
Low Coverage

POWER SELECT

COLOR SELECT

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EMERGENCY PACK WIRING DIAGRAM

DC Output

WhiteV

Max. 80 VA   AC input   LED Driver   V+   (3A max. pass - through current)

CW–

Black   WW–

On/Off switch (optional)

Black   Brown

Line   White/Black   Emergency LED Driver   Red+ (#18 AWG)   LED Module

White   DC Output   Blue– (#18AWG)

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

Indicator with test switch   Battery

SENSOR SPECIFICATIONS

6.11"
5.72"
3.61"
0.79"   1.27"

0.81"   0.91"

KT-SWLED25PS-2A-8CSA-VDIM-P
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ACCESSORIES

EMERGENCY BACKUP

Factory-Installable OR Field-Installable (field-installable purchased separately)

✓	SUFFIX*	CATALOG NUMBER	DESCRIPTION	UPC	EASY CODE
	/EM5†	KT-EMRG-LED-5C-500	5W, 500 lumen Smart Safe emergency backup, CEC T20 Compliant	843654103099	JTR-48
	/EM12†	KT-EMRG-LED-12C-1200	12W , 1200 lumen Smart Safe emergency backup, CEC T20 Compliant	843654103112	OJQ-32

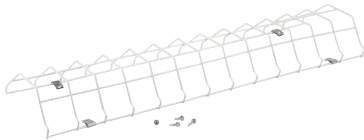5W, 500 lumen Battery Backup
KT-EMRG-LED-5C-500

12W, 1200 lumen Battery Backup
KT-EMRG-LED-12C-1200

* For factory installation of accessory, add suffix to fixture part number (see ordering examples and instructions on last page of spec sheet).
† Factory installation of emergency backup units will automatically include any relevant mounting bracket.

MOUNTS AND BRACKETS

Factory-Installable OR Field-Installable (field-installable purchased separately)

✓	SUFFIX*	CATALOG NUMBER	DESCRIPTION	UPC	EASY CODE
	/WG	KT-SWLED-WG-1-KIT	Wire Guard for LED Stairwell Fixtures. Thick steel wire and premium white powdercoat construction.	843654132464	PIT-99
	/CP	KT-SWLED-CP	Replacement Cover Plate for Stairwell Fixture, used to cover Sensor Trimpot	843654157290	SHW-24

Wire Guard
KT-SWLED-WG-1-KIT

* For factory installation of accessory, add suffix to fixture part number (see ordering examples and instructions on last page of spec sheet).

STEP-DOWN TRANSFORMERS

Factory-Installable OR Field-Installable (field-installable purchased separately)

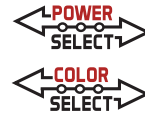| ✓	SUFFIX*	CATALOG NUMBER	DESCRIPTION	UPC	EASY CODE
	/480†‡	KTAT-250-480-277 /SF	Fully enclosed, single flex step-down transformer for LED high bay fixtures (250VA or lower)	843654102931	XIM-17

Step-Down Transformer
KTAT-250-480-277 /SF

* For factory installation of accessory, add suffix to fixture part number (see ordering examples and instructions on last page of spec sheet).
† Factory installation of step-down transformer units will automatically include any relevant mounting bracket.
‡ Step-down transformers cannot be ordered in conjunction with standard SJTOW cord set options (contact Keystone sales rep for available custom options if needed).

KT-SWLED25PS-2A-8CSA-VDIM-P
LED STAIRWELL FIXTURE

ORDERING INFORMATION

CATALOG NUMBER	PACK QUANTITY	UPC	EASY CODE	DLC PRODUCT ID
KT-SWLED25PS-2A-8CSA-VDIM-P	1	843654132440	OBG-40	PTTTLA44

CATALOG NUMBER BREAKDOWN

KT-SWLED25PS-2A-8CSA-VDIM-P
1 2 3 4 5 6 7 8 9 10 11

1 **Keystone Technologies**	7 **80 CRI**
2 **LED Stairwell Fixture**	8 **Color Select**
3 **Wattage**	9 **Color Select Designation**
4 **Power Select**	10 **0–10V Dimming**
5 **2' Nominal Length**	11 **Premium Series**
6 **Light Distribution Type**	

9 Color Select Designation

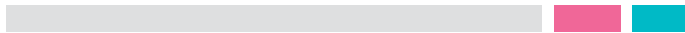| A	3500K, 4000K, 5000K

ORDERING EXAMPLES

FIXTURE WITH MULTIPLE FACTORY-INSTALLED ACCESSORIES*

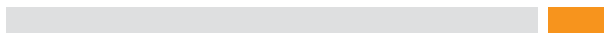**KT-SWLED25PS-2A-8CSA-VDIM-P /EM5/WG/480**

FIXTURE WITH TWO FACTORY-INSTALLED ACCESSORIES*
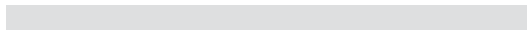
KT-SWLED25PS-2A-8CSA-VDIM-P /EM5/WG

FIXTURE WITH SINGLE FACTORY-INSTALLED ACCESSORY*

KT-SWLED25PS-2A-8CSA-VDIM-P /480

FIXTURE WITH NO FACTORY-INSTALLED ACCESSORIES

KT-SWLED25PS-2A-8CSA-VDIM-P

* When ordering more then one factory-installed accessory, use multiple suffixes as shown in the ordering examples above.
Note: All accessories can also be ordered separately for field installation using just their regular Catalog Number, UPC, or Easy Code.

KEYSTONE FIXTURE

CATALOG NUMBER
KT-SWLED25PS-2A-8CSA-VDIM-P

EMERGENCY BACKUP

	SUFFIX	CATALOG NUMBER
✓	/EM5	KT-EMRG-LED-5C-500

MOUNTS AND BRACKETS

	SUFFIX	CATALOG NUMBER
✓	/WG	KT-SWLED-WG-1-KIT

STEP-DOWN TRANSFORMERS

	SUFFIX	CATALOG NUMBER
✓	/480	KTAT-250-480-277 /SF

Note: Step-down transformers cannot be ordered in conjunction with standard SJTOW cord set options (contact Keystone sales rep for available custom options if needed).