



# LINEAR HIGH BAYS

## FEATURES AND BENEFITS

- Architectural grade compact design
- Powered by Keystone 0-10V dimming LED drivers
- Frosted lens eliminates glare
- V-hook and chain mounting accessories included
- 0-10V dimming, 10% minimum
- Compatible with Keystone SmartSafe LED emergency back-up (available for quick install)
- Compatible with Keystone 480-277V step-down transformers (available for quick install)
- Compatible with Keystone occupancy sensors (available for quick install)
- Cord sets available for quick install
- Ambient operating temperature: -20°C/-4°F to 50°C/122°F
- UL Listed 1598: Suitable for dry and damp locations
- THD: <20%; power factor > 0.95
- LED chip lifetime, L70 >100,000 hours @ 25°C/77°F ambient fixture temperature



**QUICK INSTALL ACCESSORIES AVAILABLE**  
see page 53 for details

Catalog Number	CRI	Input Voltage	Wattage	Lumen Output	Efficacy	DLC Category
<b>2' LINEAR HIGH BAY FIXTURES</b>						
KT-HBLED90-2F-8xx-VDIM-P	>82	120-277V	90W	11,800	131 lm/W	Premium
KT-HBLED105-2F-8xx-VDIM-P	>82	120-277V	105W	13,650	130 lm/W	Premium
KT-HBLED135-2F-8xx-VDIM-P	>82	120-277V	135W	17,700	131 lm/W	Premium
KT-HBLED175-2F-8xx-VDIM-P	>82	120-277V	175W	23,100	132 lm/W	Premium
KT-HBLED215-2F-8xx-VDIM-P	>82	120-277V	215W	28,160	131 lm/W	Premium
<b>4' LINEAR HIGH BAY FIXTURES</b>						
KT-HBLED320-4F-8xx-VDIM-P	>82	120-277V	320W	42,000	131 lm/W	Premium

\***8xx** denotes several color temperatures available:

**840** 800 Series, 4000K    **850** 800 Series, 5000K

The following sensors, SmartSafe LED emergency back-up, step-down transformers, and fixture accessories are available for quick factory installation on our high bay fixtures. Contact Keystone for details.

## OCCUPANCY SENSOR for Linear High Bay

Catalog Number	Frequency	Description
HBE-PIR-120/277/347	50/60Hz	Passive infrared (PIR) sensing technology with adjustable controls for time delay and day lighting
KTS-PIR2-UV-KO	50/60Hz	Passive infrared (PIR) sensing technology with adjustable controls for time delay and day lighting, standby dimming levels

## SMART SAFE LED EMERGENCY BACK-UP for Linear High Bay

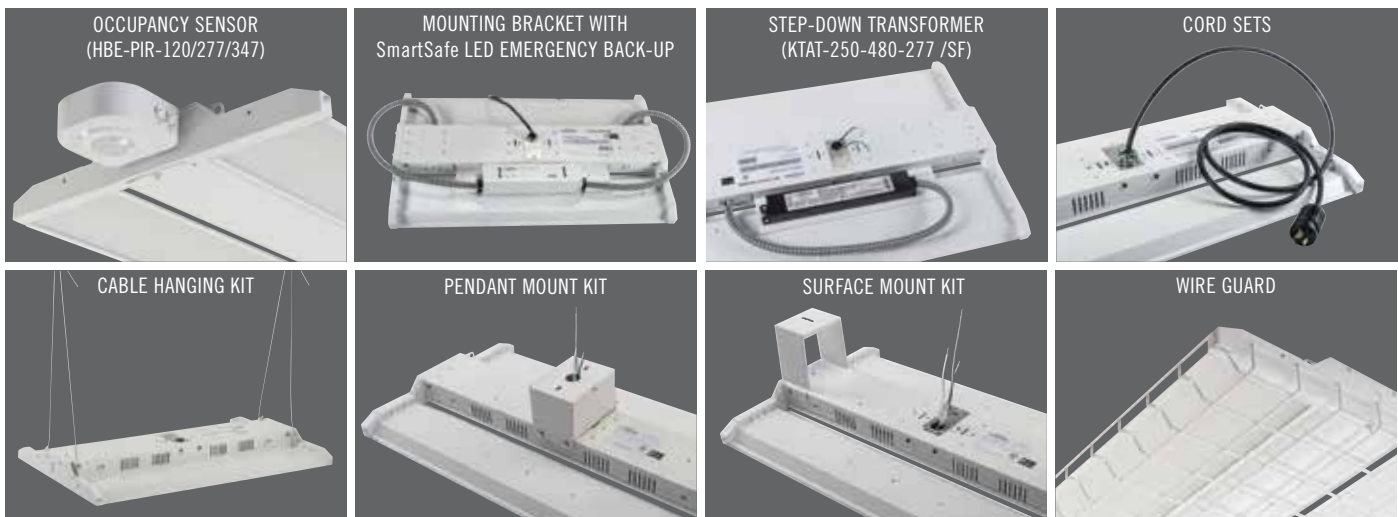
Catalog Number	Wire Type	INPUT CHARACTERISTICS			OUTPUT CHARACTERISTICS			LED Module Included
		Input Voltage	Power Factor	Max. Current	Output Power	Rated Output Current	Output Voltage	
KT-EMRG-LED-5-500-EN /DF	Dual Flex Cable	120-277Vac	≥0.5	0.051A @ 120V	5W	250mA-100mA	20-54Vdc	No
KT-EMRG-LED-12-1200-EN /DF	Dual Flex Cable	120-277Vac	≥0.5	0.051A @ 120V	12W	550mA-245mA	20-54Vdc	No
KT-EMRG-LED-20SD-2000-EN /DF	Dual Flex Cable	120-277Vac	>0.9	0.060A @ 120V	20W	1000mA-333mA	20-60Vdc	No

## STEP-DOWN TRANSFORMER for Linear High Bay

Catalog Number	INPUT CHARACTERISTICS			OUTPUT CHARACTERISTICS			Description	Additional Approvals
	Input Voltage	Input Current at Max. Load	Input Current at No Load	Output Voltage	Max. Load	Max Output Current		
KTAT-250-480-277 /SF	480V	0.57A	0.16A	277V	250VA	0.90A	Fully enclosed, single flex	
	347V	0.57A	0.11A	200V	180VA	0.90A		
KTAT-375-480-277 /SF	480V	0.86A	0.21A	277V	375VA	1.35A	Fully enclosed, single flex	
	347V	0.86A	0.11A	200V	270VA	1.35A		

## FIXTURE ACCESSORIES (SOLD SEPARATELY)

	Catalog Number	Description
Cords	KT-CS-515P-6-18/3	Cord set for LED high bay fixtures; 125V NEMA 5-15P; straight blade plug; 6' SJTOW cable; 18/3 wire
	KT-CS-L515P-10-16/3	Cord set for LED high bay fixtures; 125V NEMA L5-15P; twist lock plug; 10' SJTOW cable; 16/3 wire
	KT-CS-L515P-6-16/3	Cord set for LED high bay fixtures; 125V NEMA L5-15P; twist lock plug; 6' SJTOW cable; 16/3 wire
	KT-CS-L615P-10-16/3	Cord set for LED high bay fixtures; 250V NEMA L6-15P; twist lock plug; 10' SJTOW cable; 16/3 wire
	KT-CS-L715P-10-16/3	Cord set for LED high bay fixtures; 277V NEMA L7-15P; twist lock plug; 10' SJTOW cable; 16/3 wire
	KT-CS-L715P-6-16/3	Cord set for LED high bay fixtures; 277V NEMA L7-15P; twist lock plug; 6' SJTOW cable; 16/3 wire
	KT-CS-NP-10-16/3	Cord for LED high bay fixtures; no plug; inners 1/2" strip on both ends; 10' SJTOW cable; 16/3 wire
	KT-CS-NP-15-16/3	Cord for LED high bay fixtures; no plug; inners 1/2" strip on both ends; 15' SJTOW cable; 16/3 wire
	KT-CS-NP-6-16/3	Cord for LED high bay fixtures; no plug; inners 1/2" strip on both ends; 6' SJTOW cable; 16/3 wire
Mounting Kits	KT-HBLEDCABLE-KIT	Cable mount kit for LED high bay fixtures; fits all Keystone 2F high bay fixtures
	KT-HBLEDEM-BR-KIT	Mounting bracket designed for use with SmartSafe LED emergency back-up KT-EMRG-LED-5-500-EN /DF, KT-EMRG-LED-12-1200-EN /DF, and KT-EMRG-LED-20SD-2000-EN /DF
	KT-HBLEDPM-1-KIT	Pendant mount kit for LED high bay fixtures; fits all Keystone 2F high bay fixtures
	KT-HBLEDSM-1-KIT	Surface mount kit for LED high bay fixtures; fits all Keystone 2F high bay fixtures
	KT-HBLEDWG-1-KIT	Wire guard for LED high bay fixtures; fits 90W, 105W, 135W, and 175W Keystone 2F high bay fixtures
	KT-HBLEDWG-2-KIT	Wire guard for LED high bay fixtures; fits 215W Keystone 2F high bay fixtures
	KT-HBLEDWG-3-KIT	Wire guard for LED high bay fixtures; fits 320W Keystone 4F high bay fixtures





# MICRO STRIPS



## FEATURES AND BENEFITS

- Powered by Keystone 0-10V dimming LED drivers
- Smooth diffused lens for an even appearance
- 0-10V dimming, 10% minimum
- Compatible with Keystone SmartSafe LED emergency back-up (available for quick install)
- Compatible with Keystone 480-277V step-down transformers (remote mount only)
- Compatible with Keystone occupancy sensors (available for quick install)
- Ambient operating temperature: -20°C/-4°F to 50°C/122°F
- UL Listed 1598: Suitable for dry and damp locations
- Power factor > 0.95; THD: <20%
- LED chip lifetime, L70 >100,000 hours @ 25°C/77°F ambient fixture temperature



Fluorescent Equivalent	Keystone Catalog Number	CRI	Input Voltage	Wattage	Lumen Output	Efficacy	DLC Category
<b>2' MICRO STRIP FIXTURES</b>							
2xF17T8	KT-MSLED19-2-8xx-VDIM-P	>82	120-277V	19W	2,508	132 lm/W	Premium
<b>4' MICRO STRIP FIXTURES</b>							
1xF32T8	KT-MSLED18-4-8xx-VDIM-P	>82	120-277V	18W	2,340	130 lm/W	Premium
2xF32T8	KT-MSLED28-4-8xx-VDIM-P	>82	120-277V	28W	3,696	132 lm/W	Premium
2xF49T5HO / F54T5HO	KT-MSLED44-4-8xx-VDIM-P	>82	120-277V	44W	5,764	131 lm/W	Premium
<b>8' MICRO STRIP FIXTURES</b>							
4xF32T8	KT-MSLED54-8-8xx-VDIM-P	>82	120-277V	54W	7,210	134 lm/W	Premium

\*8xx denotes several color temperatures available:

<b>835</b>	800 Series, 3500K	<b>840</b>	800 Series, 4000K	<b>850</b>	800 Series, 5000K
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**Included Accessories:** Mounting brackets, hardware, and junction box decorative cover



## ACCESSORIES (SOLD SEPARATELY)

Catalog Number	Description
HBE-PIR-120/277/347	Passive infrared (PIR) sensing technology with adjustable controls for time delay and day lighting
KT-MSLED-VH-KIT	V-hook and chain mounting kit
KT-MSLED-LSM-KIT	End-to-end linking mounting kit

# QUICK INSTALL ACCESSORIES



Keystone offers a variety of accessories that can be factory installed on our XFit LED fixtures.

## DUAL TECHNOLOGY HIGH BAY OCCUPANCY SENSORS

Available Fixtures	Product Description	Catalog Number	Description
Linear High Bays, Micro Strips, Wraps	Occupancy Sensors	HBE-PIR-120/277/347	Passive infrared (PIR) sensing technology with adjustable controls for time delay and day lighting; 50/60Hz frequency
		KTS-PIR2-UV-KO	Passive infrared occupancy sensor with knock-out mounting

## MICROWAVE SENSORS

Available Fixtures	Product Description	Catalog Number	Description
Round High Bays	Microwave Sensors	KTS-MW2-12V-WL /A	Microwave occupancy sensor with preset standby time of 3 minutes at 30% dimming; settings can be customized at the factory upon request
		KTS-MW2-12V-WL /B	Microwave occupancy sensor with preset standby time of 10 minutes at 10% dimming; settings can be customized at the factory upon request

## 480-277V STEP-DOWN TRANSFORMERS

Available Fixtures	Catalog Number	Description
2' Linear High Bays	KTAT-250-480-277 /SF	Fully enclosed, single-flex step down transformer
4' Linear High Bays	KTAT-375-480-277 /SF	Fully enclosed, single-flex step down transformer

## SMART SAFE LED EMERGENCY BACK-UP

Available Fixtures	Catalog Number	Description
Linear High Bays, Panel Lights	KT-EMRG-LED-5-500-EN /DF	5W, 500 lumen fully enclosed LED emergency back-up with dual flex cable
	KT-EMRG-LED-12-1200-EN /DF	12W, 1200 lumen fully enclosed LED emergency back-up with dual flex cable
Linear High Bays	KT-EMRG-LED-20SD-2000-EN /DF	20W, 2000 lumen self-diagnostic fully enclosed LED emergency back-up with dual flex cable
Vapor Tight (4' and 8' only)	KT-EMRG-LED-5C-500	California Compliant 5W, 500 lumen LED emergency battery back-up; includes LED driver and battery
	KT-EMRG-LED-12C-1200	California Compliant 12W, 1200 lumen LED emergency battery back-up; includes LED driver and battery
Wraps, Center Basket Troffers	KT-EMRG-LED-5-500 /A	5W, 500 lumen SmartSafe emergency battery backup; includes LED driver and battery
	KT-EMRG-LED-12-1200 /A	12W, 1200 lumen SmartSafe emergency battery backup; includes LED driver and battery
Micro Strips, Wraps	KT-EMRG-LED-5-500 /NB	5W, 500 lumen SmartSafe emergency battery backup; includes LED driver and narrow battery
	KT-EMRG-LED-12-1200 /NB	12W, 1200 lumen SmartSafe emergency battery backup; includes LED driver and narrow battery

## CORD SETS

Available Fixtures	Catalog Number	Description
Linear High Bays	KT-CS-515P-6-18/3	Cord set for LED high bay fixtures; 125V NEMA 5-15P; straight blade plug; 6' SJTOW cable; 18/3 wire
	KT-CS-L515P-10-16/3	Cord set for LED high bay fixtures; 125V NEMA L5-15P; twist lock plug; 10' SJTOW cable; 16/3 wire
	KT-CS-L515P-6-16/3	Cord set for LED high bay fixtures; 125V NEMA L5-15P; twist lock plug; 6' SJTOW cable; 16/3 wire
	KT-CS-L615P-10-16/3	Cord set for LED high bay fixtures; 250V NEMA L6-15P; twist lock plug; 10' SJTOW cable; 16/3 wire
	KT-CS-L715P-6-16/3	Cord set for LED high bay fixtures; 277V NEMA L7-15P; twist lock plug; 6' SJTOW cable; 16/3 wire
	KT-CS-L715P-10-16/3	Cord set for LED high bay fixtures; 277V NEMA L7-15P; twist lock plug; 10' SJTOW cable; 16/3 wire
	KT-CS-NP-6-16/3	Cord for LED high bay fixtures; no plug; inners 1/2" strip on both ends; 6' SJTOW cable; 16/3 wire
	KT-CS-NP-10-16/3	Cord for LED high bay fixtures; no plug; inners 1/2" strip on both ends; 10' SJTOW cable; 16/3 wire
	KT-CS-NP-15-16/3	Cord for LED high bay fixtures; no plug; inners 1/2" strip on both ends; 15' SJTOW cable; 16/3 wire



## DUAL TECHNOLOGY HIGH BAY OCCUPANCY SENSORS

Catalog Number	Frequency	Maximum Load Rating	Power Consumption
HBE-PIR-120/277/347	50/60Hz	800VA @ 120VAC, 1200VA @ 277VAC, 1500VA @ 347VAC	0.2W @ 120VAC, 1.0W @ 277VAC, 2.0W @ 347VAC
KTS-PIR2-UV-KO	50/60Hz	800VA @ 120V; 1200VA @ 277V; 1500VA @ 347V	≤0.8W @ 120V; ≤1.6W @ 277V; ≤2.2W @ 347V

## ACCESSORIES FOR HIGH BAY OCCUPANCY SENSORS (SOLD SEPARATELY)

Catalog Number	Description
HBE-EXBT	Extender bracket for high bay motion sensor; lowers sensor for optimum field of view

## WET LOCATION OCCUPANCY SENSORS FOR OUTDOOR USE

Catalog Number	Frequency	Maximum Load Rating	Power Consumption	Features
HBE-PIR-120-277-IP65	50/60Hz	800VA @ 120VAC, 1200VA @ 208/240/277VAC	0.07W @ 120VAC, 0.39W @ 277VAC	IP65 Rated
HBE-PIR-347/480-IP65	50/60Hz	1500VA @ 347VAC, 2000VA @ 480VAC	0.19W @ 347VAC, 0.37W @ 480VAC	IP65 Rated

## FEATURES AND PERFORMANCE

- Simple adjustable controls for time delay and day lighting control
- Passive infrared (PIR) sensing technology; LED indicator
- Ideal for fluorescent or LED high bay fixtures in warehouses, manufacturing facilities, and other high ceiling applications
- No minimum load requirements
- Interchangeable lenses including aisle pattern view; low bay lens included with wet location sensor only
- Embedded relay (no external box required)
- Mounting height: Up to 40' maximum
- Operating temperature range: 14°F-160°F for standard high bay sensors; -4°F-160°F for wet location sensors

## HIGH BAY MICROWAVE OCCUPANCY SENSORS

Catalog Number	Operating Frequency	Input Voltage	Output Voltage	Transmit Power	Detection Angle	Max Mounting Height	Detection Radius	Preset Standby Time	Preset Hold Time
KTS-MW2-12V-WL /A	5.8GHz	12-24Vdc	0-10V	1 mW	150° (wall-mount) 360° (ceiling-mount)	49'	16.4'-23.0' (mounted at 26.2')	3 min. at 30% dimming	1 min.
10 min. at 10% dimming								5 min.	

## FEATURES

- On/off with preset hold time
- Preset standby time and dimming level; settings can be customized at factory, upon request
- Operating temperature range -31°F/-35°C to 131°F/55°C

## SOCKETS

Catalog Number	Description
KT-SOCKET-RDC-PE	Recessed double contact socket with plunger end for high output lamps
KT-SOCKET-RDC-SE	Recessed double contact socket with stationary end for high output lamps
KT-SOCKET-SL-PE	Single pin slimline socket with plunger end
KT-SOCKET-SL-SE	Single pin slimline socket with stationary end
KT-SOCKET-T8-U-T	Non-shunted tall T8 socket with push-through with nub, approximately 30mm
KT-SOCKET-T8-U-S	Non-shunted standard T8 socket with push-through with nub, approximately 23mm
KT-SOCKET-T8-U-SI	Slide-on socket for DirectDrive U-bend lamps

