

SINCE 1945
KEYSTONE
LIGHT MADE EASY™

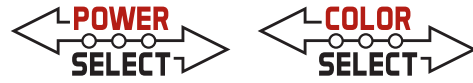
**DIRECT
DRIVE
HID LED**

**POWER
SELECT**

**COLOR
SELECT**



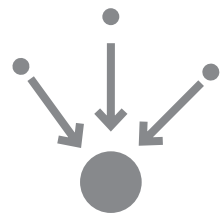
HID LED REPLACEMENT LAMPS



Reduce SKUs By 90%

That's Light Made Easy[®] for inventory managers, salespeople & installers.

Keystone's Direct Drive HID LED replacement lamps are the ideal way to upgrade existing HID fixtures to energy-efficient LED. With our newest generation of LED lamps, we introduce Power Select and Color Select technology.



Versatility & SKU reduction

Power and Color Select technologies, available on select lamps, allow contractors to choose from multiple outputs and color temperatures with the flick of a switch - and allow distributors to stock fewer SKUs.



Field installable sensors

Add control for your LED lighting and improve efficiency with ease. Simply insert the sensor (sold separately) and adjust the settings quickly.



Bypass the ballast

Maximize energy efficiency with built-in Direct Drive technology. Bypass the existing ballast by cutting the wires and connecting the 120-277V line voltage directly to the sockets. No ballast or external driver is required.



Energy savings

LED lamps offer powerful, energy-efficient LED illumination, saving on energy costs compared with legacy HID lamps.



Rugged & reliable

Built to last and withstand harsh conditions.



Trusted

Keystone stands behind its LED drivers, modules, and lamps with a 5-year warranty.

- 4 DIRECT DRIVE LAMPS
- 8 POWER & COLOR SELECT TECHNOLOGY
- 10 PART NUMBERS & PRODUCT SPECS





DIRECT DRIVE LED LAMPS

Powerful light with maximum energy savings.

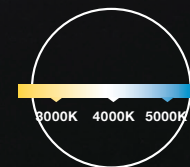
Power Select & Color Select

Keystone's innovative technologies for selecting lumen output and color temperature at the touch of a switch - reducing SKUs by up to 90% and allowing users to make adjustments in the field on the fly.



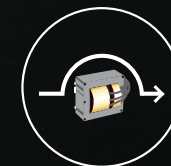
POWER SELECT TECHNOLOGY

REDUCE SKUs AND INCREASE BOTH FLEXIBILITY AND CONVENIENCE WITH FIELD ADJUSTABLE POWER OUTPUTS



COLOR SELECT TECHNOLOGY

ALLOWS YOU TO SELECT COLOR TEMPERATURE WITH A SIMPLE, FIELD ADJUSTABLE SWITCH, REDUCING SKUs AND ENHANCING VERSATILITY (3000K | 4000K | 5000K)



BYPASS THE BALLAST

INTEGRAL DRIVER ELIMINATES THE NEED FOR EXTERNAL DRIVER OR BALLAST; INCLUDES 4KV SURGE PROTECTION





DIRECT DRIVE LED LAMP

Selectable Options



SIMPLE FIELD INSTALLABLE
PLUG-IN SENSORS (SOLD SEPARATELY)



POWER SELECT SWITCH



COLOR SELECT SWITCH

Also available in Dedicated Options

Keystone also has HID LED replacements with specific lumen and color temperature settings. See keystonetech.com for models.



Wattages/lumens

- 12W:** 1740 lm
- 18W:** 2600 lm
- 27W:** 3910 lm
- 36W:** 5400 lm
- 45W:** 6750 lm
- 54W:** 8100 lm
- 63W:** 9450 lm
- 80W:** 12000 lm
- 100W:** 15000 lm



36W-100W DIRECT DRIVE LAMPS HAVE A LOW-VOLTAGE AUX PORT FOR LAMP LEVEL SENSOR CONTROLS (SOLD SEPARATELY)

Keystone's HID LED Replacement Lamps are the ideal way to upgrade existing HID fixtures to the latest in LED technology. Keystone's LED lamps increase energy efficiency and offer better color rendering than metal halide lamps.

Features & Benefits

- Quickly select from three lumen output and three color temperature options
- Versatility of the Power Select and Color Select switches allows for significant SKU reduction
- Ideal replacement for conventional metal halide lamps
- Small form factor to fit into the tightest of fixtures
- Easily add motion or daylight sensors for increased control and energy savings

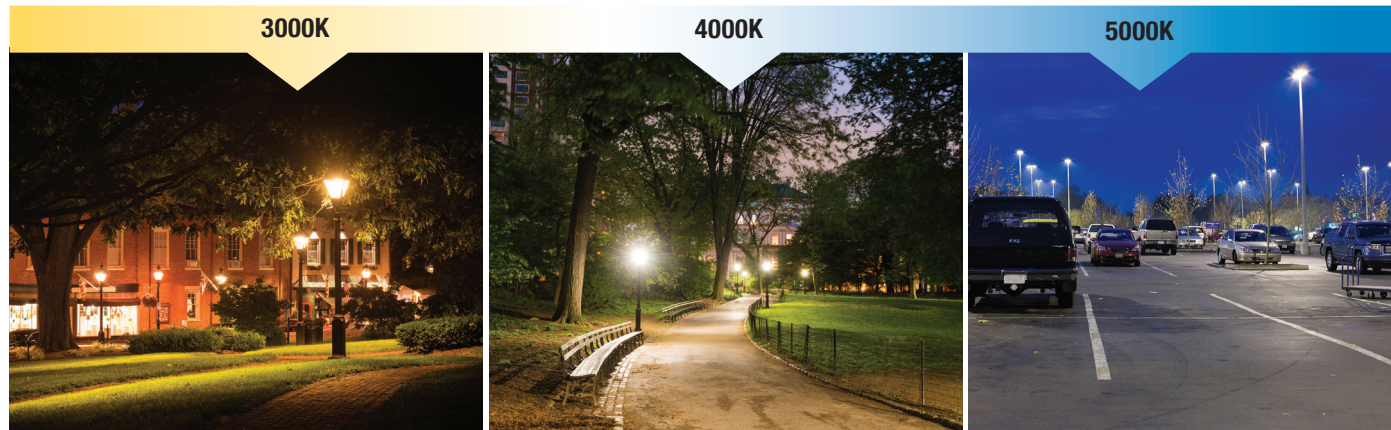
POWER SELECT LIGHTING COLOR GUIDE

Choose from 3 wattage options to achieve bright, brighter, or brightest light. Images below are all shown at a color temperature of 4000K.



COLOR SELECT LIGHTING COLOR GUIDE

Choose from 3 color temperatures to achieve warm, neutral or cool tones. Color Select options for all LED lamps in this brochure are 3000K, 4000K, and 5000K.

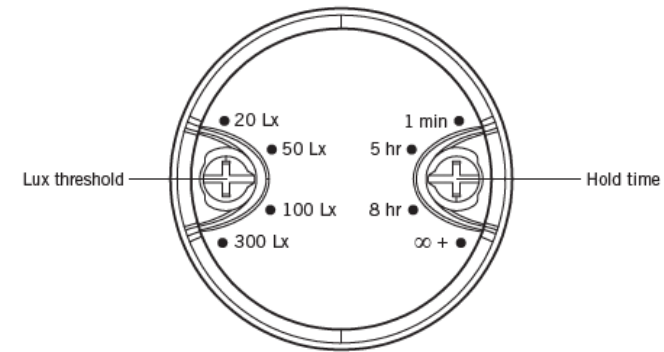


ADDITIONAL BENEFITS & FEATURES:

- 50,000+ hour lifetime
- Environmentally friendly: No mercury used
- Instant startup
- UL listed
- Suitable for use in fully enclosed fixtures
- Operating temperature: $-40^{\circ}\text{C}/-40^{\circ}\text{F}$ to $60^{\circ}\text{C}/140^{\circ}\text{F}$
- Integral driver eliminates the need for external driver or ballast; includes 4kV surge protection
- Integrated heat sink quickly dissipates heat and guides water intrusion out of the lamp

ADD A SMART PORT SENSOR FOR INSTANT CONTROLLABILITY

Attaching controls to a legacy HID lamp or LED replacement lamp has been a challenge, limiting energy savings and rebate dollars. Now, with Smart Port, you can control your LED lighting and improve efficiency with ease. Simply insert the sensor (sold separately) and adjust the settings quickly. Even if you choose not to plug in a sensor, the lamp will operate normally.



Simple Sensing

Accessible sensor settings allow for quick control based on your application needs with no programming or commissioning required.

MICROWAVE MOTION SENSOR

CATALOG NUMBER	INPUT VOLTAGE	OUTPUT VOLTAGE	OUTPUT CURRENT	DETECTION ANGLE	MAXIMUM MOUNTING HEIGHT	DETECTION DIAMETER AT MAX. MOUNTING HEIGHT
KTS-MW1-12V-AUX	12V	0-10V	20mA	120°	26'	33'



- 360° detection through walls and objects
- Motion detection
- On-off functionality
- Standby level options: off, 20% dim, 40% dim, or 60% dim
- Hold time options for motion detection: 30 sec., 90 sec., 5 min., or 10 min.
- Standard 3.5mm AUX port connection

PIR (PASSIVE INFRARED) MOTION SENSOR

CATALOG NUMBER	INPUT VOLTAGE	OUTPUT VOLTAGE	OUTPUT CURRENT	DETECTION ANGLE	MAXIMUM MOUNTING HEIGHT	DETECTION DIAMETER AT MAX. MOUNTING HEIGHT
KTS-PIR1-12V-AUX	12V	0-10V	20mA	120°	20'	26.4'



- Motion detection
- On-off functionality
- Standby level options: off, 20% dim, 40% dim, or 60% dim
- Hold time options for motion detection: 30 sec., 90 sec., 5 min., or 10 min.
- Standard 3.5mm AUX port connection


DAYLIGHT SENSOR

CATALOG NUMBER	INPUT VOLTAGE	OUTPUT VOLTAGE	OUTPUT CURRENT
KTS-PS1-12V-AUX	12V	0-10V	20mA




- Natural light detection
- On-off functionality
- Reaction lux options: 20 lx, 50 lx, 100 lx, or 300 lx
- Hold time: 1 minute, 5 hours, 8 hours, or unlimited
- Standard 3.5mm AUX port connection


36W LED (150W MH REPLACEMENT)

CATALOG NUMBER	INPUT VOLTAGE	CRI	LENGTH	DIAMETER	SMART PORT TECHNOLOGY	SELECTABLE POWER	SELECTABLE COLOR TEMP	LUMENS	EFFICACY
 E26 Base Type	120-277V	>80	7.90"	3.30"	Yes	18W	3000K	2430	135 lm/W
							4000K	2610	145 lm/W
							5000K	2520	140 lm/W
						27W	3000K	3645	135 lm/W
							4000K	3915	145 lm/W
							5000K	3780	140 lm/W
						36W	3000K	4860	135 lm/W
							4000K	5220	145 lm/W
							5000K	5040	140 lm/W

36W LED (150W MH REPLACEMENT)

CATALOG NUMBER	INPUT VOLTAGE	CRI	LENGTH	DIAMETER	SMART PORT TECHNOLOGY	SELECTABLE POWER	SELECTABLE COLOR TEMP	LUMENS	EFFICACY
 EX39 Base Type	120-277V	>80	8.70"	3.30"	Yes	18W	3000K	2430	135 lm/W
							4000K	2610	145 lm/W
							5000K	2520	140 lm/W
						27W	3000K	3645	135 lm/W
							4000K	3915	145 lm/W
							5000K	3780	140 lm/W
						36W	3000K	4860	135 lm/W
							4000K	5220	145 lm/W
							5000K	5040	140 lm/W


45W LED (175W MH REPLACEMENT)

CATALOG NUMBER	INPUT VOLTAGE	CRI	LENGTH	DIAMETER	SMART PORT TECHNOLOGY	SELECTABLE POWER	SELECTABLE COLOR TEMP	LUMENS	EFFICACY
 E26 Base Type	120-277V	>80	9.10"	3.30"	Yes	27W	3000K	3645	135 lm/W
							4000K	3915	145 lm/W
							5000K	3780	140 lm/W
						36W	3000K	4860	135 lm/W
							4000K	5220	145 lm/W
							5000K	5040	140 lm/W
						45W	3000K	6075	135 lm/W
							4000K	6525	145 lm/W
							5000K	6300	140 lm/W


45W LED (175W MH REPLACEMENT)

CATALOG NUMBER	INPUT VOLTAGE	CRI	LENGTH	DIAMETER	SMART PORT TECHNOLOGY	SELECTABLE POWER	SELECTABLE COLOR TEMP	LUMENS	EFFICACY
 EX39 Base Type	120-277V	>80	9.90"	3.30"	Yes	27W	3000K	3645	135 lm/W
							4000K	3915	145 lm/W
							5000K	3780	140 lm/W
						36W	3000K	4860	135 lm/W
							4000K	5220	145 lm/W
							5000K	5040	140 lm/W
						45W	3000K	6075	135 lm/W
							4000K	6525	145 lm/W
							5000K	6300	140 lm/W


54W LED (200-250W MH REPLACEMENT)

CATALOG NUMBER	INPUT VOLTAGE	CRI	LENGTH	DIAMETER	SMART PORT TECHNOLOGY	SELECTABLE POWER	SELECTABLE COLOR TEMP	LUMENS	EFFICACY
 EX39 Base Type	120-277V	>80	9.90"	3.30"	Yes	36W	3000K	4860	135 lm/W
							4000K	5220	145 lm/W
							5000K	5040	140 lm/W
						45W	3000K	6075	135 lm/W
							4000K	6525	145 lm/W
							5000K	6300	140 lm/W
						54W	3000K	7290	135 lm/W
							4000K	7830	145 lm/W
							5000K	7560	140 lm/W


63W LED (250W MH REPLACEMENT)

CATALOG NUMBER	INPUT VOLTAGE	CRI	LENGTH	DIAMETER	SMART PORT TECHNOLOGY	SELECTABLE POWER	SELECTABLE COLOR TEMP	LUMENS	EFFICACY
 EX39 Base Type	120-277V	>80	10.50"	3.30"	Yes	45W	3000K	6075	135 lm/W
							4000K	6525	145 lm/W
							5000K	6300	140 lm/W
						54W	3000K	7290	135 lm/W
							4000K	7830	145 lm/W
							5000K	7560	140 lm/W
						63W	3000K	8505	135 lm/W
							4000K	9035	145 lm/W
							5000K	8820	140 lm/W

80W LED (320W MH REPLACEMENT)

CATALOG NUMBER	INPUT VOLTAGE	CRI	LENGTH	DIAMETER	SMART PORT TECHNOLOGY	SELECTABLE POWER	SELECTABLE COLOR TEMP	LUMENS	EFFICACY
 EX39 Base Type	120-277V	>80	9.80"	5.00"	Yes	54W	3000K	7290	135 lm/W
							4000K	7830	145 lm/W
							5000K	7560	140 lm/W
						63W	3000K	8505	135 lm/W
							4000K	9135	145 lm/W
							5000K	8820	140 lm/W
						80W	3000K	10800	135 lm/W
							4000K	11600	145 lm/W
							5000K	11200	140 lm/W

100W LED (400W MH REPLACEMENT)

CATALOG NUMBER	INPUT VOLTAGE	CRI	LENGTH	DIAMETER	SMART PORT TECHNOLOGY	SELECTABLE POWER	SELECTABLE COLOR TEMP	LUMENS	EFFICACY
 EX39 Base Type	120-277V	>80	10.40"	5.00"	Yes	63W	3000K	8505	135 lm/W
							4000K	9135	145 lm/W
							5000K	8820	140 lm/W
						80W	3000K	10800	135 lm/W
							4000K	11600	145 lm/W
							5000K	11200	140 lm/W
						100W	3000K	13500	135 lm/W
							4000K	14500	145 lm/W
							5000K	14000	140 lm/W

Each lamp is pre-set to the highest power and the highest CCT (5000K).

The Keystone Difference

Our mission at Keystone is to change the way you think about lighting. We believe that lighting should be simple, hassle-free, and enjoyable. Keystone is Light Made Easy®.



**Fast
Quotes**



**Quick
Delivery**



**Trusted Brand
Since 1945**



**Complimentary
Lighting Layouts**



**No Questions Asked
Return Policy**



**Free
Samples**



Keystone Technologies Philadelphia, PA 800.464.2680 keystonetech.com

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