



HID LED SOLUTIONS

Seeing is believing.
Free samples are always available.



LIGHT MADE EASY™

*^
samples*

Ordering a sample is easy:

Phone: 800-464-2680 • Email: samples@keystonetech.com

Web: keystonetech.com/samples

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Keystone HID LED lamps are installed along the Ben Franklin Bridge in Philadelphia, PA

SMART PORT LED

Instant Controllability.

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

Smart Port LED has three sensor options that include a microwave, PIR, and daylight sensor.
These sensors conveniently install in seconds via a standard 3.5mm AUX port connection.



**Choose your Keystone HID LED lamp
 with Smart Port LED technology**



Choose your Smart Port LED sensor



**Plug in the sensor
 for instant controllability**

Microwave Sensor

The microwave sensor offers:

- 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 seconds, 90 seconds, 5 minutes, or 10 minutes
- Standard 3.5mm AUX port connection

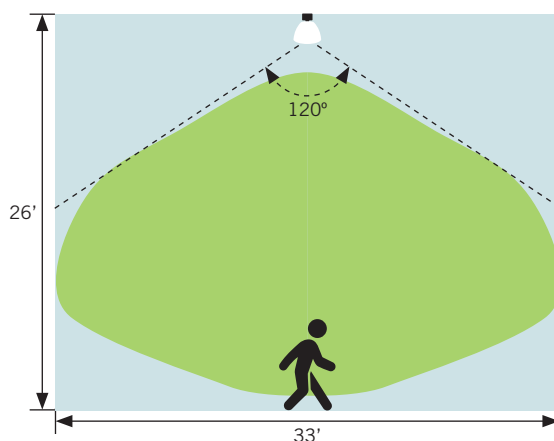


Operations:

- If no motion is detected: lamp will be switched to 0-60% brightness
- If any motion is detected: lamp returns to 100% output for your pre-defined hold time

Catalog Number	Input Voltage	Output Voltage	Output Current	Detection Angle	Max. Mounting Height	Detection Diameter at Max. Mounting Height
KTS-MW1-12V-AUX	12V	0-10V	20mA	120°	26'	33'

Typical Applications: warehouses, gymnasiums, corridors, stairwells, restrooms, courtyards, entryways, parking garages



PIR (Passive Infrared) Sensor

The PIR (passive infrared) sensor offers:

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

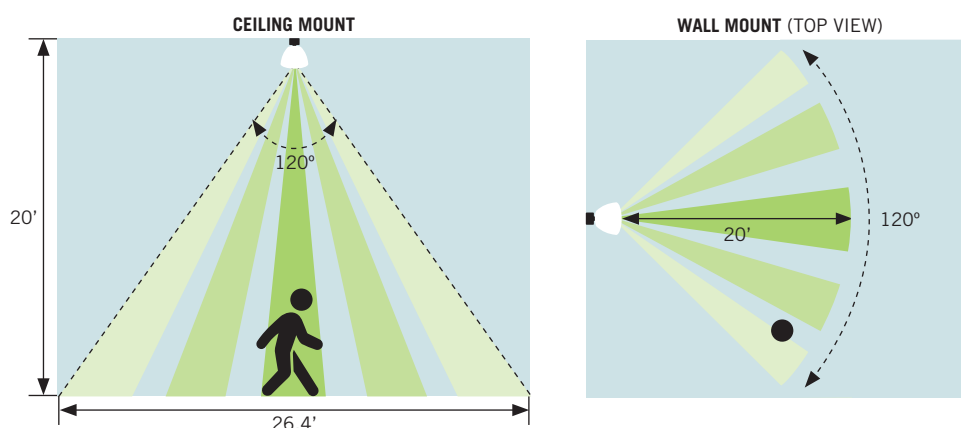
Operations:

- If no motion is detected: lamp will be switched to 0-60% brightness
- If any motion is detected: lamp returns to 100% output for your pre-defined hold time



Catalog Number	Input Voltage	Output Voltage	Output Current	Detection Angle	Max. Mounting Height	Detection Diameter at Max. Mounting Height
KTS-PIR1-12V-AUX	12V	0-10V	20mA	120°	20'	26.4'

Typical Applications: warehouses, gymnasiums, corridors, parking garages



Daylight Sensor

The daylight sensor offers:

- 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

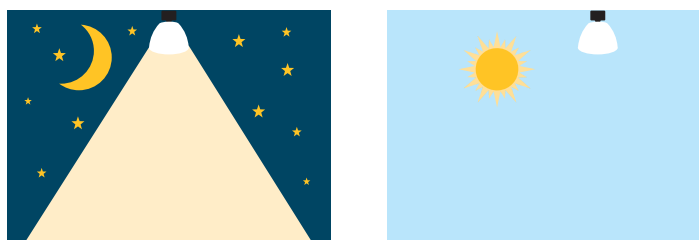
Operations:

- If natural light is below the lux setting: the lamp will turn on for the pre-defined hold time
- If natural light is above the lux setting: the lamp will turn off



Catalog Number	Input Voltage	Output Voltage	Output Current
KTS-PS1-12V-AUX	12V	0-10V	20mA

Typical Applications: warehouses, gymnasiums, corridors, parking garages



DirectDrive 360° Vertical Lamps



A smaller, more versatile design to fit more fixtures

Our DirectDrive HID LED lamps are shorter and narrower, allowing them to fit into more fixtures than ever before.

Highest efficacy in the industry: Up to 150 lm/W

By separating the driver from directly connecting to the heat sink, we've maximized efficiency and protected the LED from overheating. Our DirectDrive HID replacement LED lamps have the highest lumens per watt in the industry.

Smart Port LED for instant controllability

Our 36W-100W DirectDrive HID LED lamps now have a low-voltage AUX port for lamp level sensor controls.



BUILT-IN SURGE PROTECTION



BYPASS THE BALLAST



RoHS Compliant

5 YEAR WARRANTY



50,000 HOUR LIFETIME

Catalog Number	Rated Lamp Wattage	Metal Halide Equivalent Wattage	Base Type	Lumens	CRI	IP Rating	Efficacy	Meets DLC	Dimensions		Smart Port LED Technology
									Length	Diameter	
KT-LED12HID-E26-8xx-D	12W	50W	Medium E26	1,740	>80	IP64	145 lm/W	N/A	4.92"	2.36"	No
KT-LED18HID-E26-8xx-D	18W	70W	Medium E26	2,610	>80	IP64	145 lm/W	N/A	5.70"	2.36"	No
KT-LED27HID-E26-8xx-D /G2	27W	100W	Medium E26	3,915	>80	IP64	145 lm/W	N/A	6.70"	2.36"	No
KT-LED27HID-EX39-8xx-D /G2	27W	100W	Mogul EX39	3,915	>80	IP64	145 lm/W	Yes	7.37"	2.36"	No
KT-LED36HID-E26-8xx-D /G3	36W	150W	Medium E26	5,400	>80	IP64	150 lm/W	N/A	7.95"	3.34"	Yes
KT-LED36HID-EX39-8xx-D /G3	36W	150W	Mogul EX39	5,400	>80	IP64	150 lm/W	Yes	8.62"	3.34"	Yes
KT-LED45HID-E26-8xx-D /G3	45W	175W	Medium E26	6,750	>80	IP64	150 lm/W	N/A	9.13"	3.34"	Yes
KT-LED45HID-EX39-8xx-D /G3	45W	175W	Mogul EX39	6,750	>80	IP64	150 lm/W	Yes	9.80"	3.34"	Yes
KT-LED54HID-EX39-8xx-D /G3	54W	200-250W	Mogul EX39	8,100	>80	IP64	150 lm/W	Yes	9.80"	3.34"	Yes
KT-LED63HID-EX39-8xx-D /G3	63W	250W	Mogul EX39	9,450	>80	IP64	150 lm/W	Yes	10.40"	3.34"	Yes
KT-LED80HID-EX39-8xx-D /G2	80W	320W	Mogul EX39	12,000	>80	IP64	150 lm/W	Yes	9.72"	5.12"	Yes
KT-LED100HID-EX39-8xx-D /G2	100W	400W	Mogul EX39	15,000	>80	IP64	150 lm/W	Yes	10.32"	5.12"	Yes

*8xx denotes several color temperatures available:

830	800 Series, 3000K	840	800 Series, 4000K	850	800 Series, 5000K
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With SmartCool technology, a thermal sensor in the lamp activates during extreme high temperature conditions. Power to the lamp is reduced by up to 20% to cool the lamp and maintain lamp life. Once the sensor reaches an acceptable temperature, the lamp gradually returns to full light output. Included in 54W, 63W, 80W, and 100W DirectDrive HID LED lamps.

Old and New HID LED Replacement Lamp Comparisons



DirectDrive Xpander 180° Horizontal Lamps



XPANDER



**BUILT-IN SURGE
PROTECTION**



**BYPASS
THE BALLAST**



**RoHS
Compliant**

**5 YEAR
WARRANTY**



**50,000 HOUR
LIFETIME**

PRODUCT FEATURES

- Replacement for conventional metal halide lamps in canopy, wall pack, and shoebox fixtures
- Optimized for horizontal applications with directional light output
- Environmentally friendly: no mercury used
- Instant start-up
- Operating temperature: -40°C/-40°F to 45°C/113°F in enclosed fixture
- 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

**EC&M
Product of the Year**
2018 Category Winner

Catalog Number	Rated Lamp Wattage	Metal Halide Equivalent Wattage	Input Voltage	Base Type	Lumens	CRI	IP Rating	Efficacy	Meets DLC	Smart Port LED Technology
NEW! KT-LED27HID-H-E26-8xx-D	27W	100/150W	120-277V	E26 Rotatable	4,100	85	IP64	152 lm/W	N/A	No
KT-LED27HID-H-EX39-8xx-D	27W	100/150W	120-277V	EX39 Rotatable	4,100	85	IP64	152 lm/W	Yes	No
NEW! KT-LED45HID-H-E26-8xx-D	45W	175W	120-277V	E26 Rotatable	6,400	85	IP64	142 lm/W	N/A	No
KT-LED45HID-H-EX39-8xx-D	45W	175W	120-277V	EX39 Rotatable	6,400	85	IP64	142 lm/W	Yes	No
KT-LED63HID-H-EX39-8xx-D	63W	250W	120-277V	EX39 Rotatable	450	85	IP64	150 lm/W	Yes	No
KT-LED80HID-H-EX39-8xx-D /G3*	80W	250/320W	120-277V	EX39 Rotatable	12,000	85	IP64	150 lm/W	Yes	Yes
KT-LED110HID-H-EX39-8xx-D /G3*	110W	400W	120-277V	EX39 Rotatable	16,500	85	IP64	150 lm/W	Yes	Yes

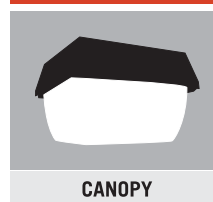
**Not for use in wall pack fixtures

*8xx denotes several color temperatures available. 80W and 110W lamps are not available in 3000K.

830 800 Series, 3000K **840** 800 Series, 4000K **850** 800 Series, 5000K

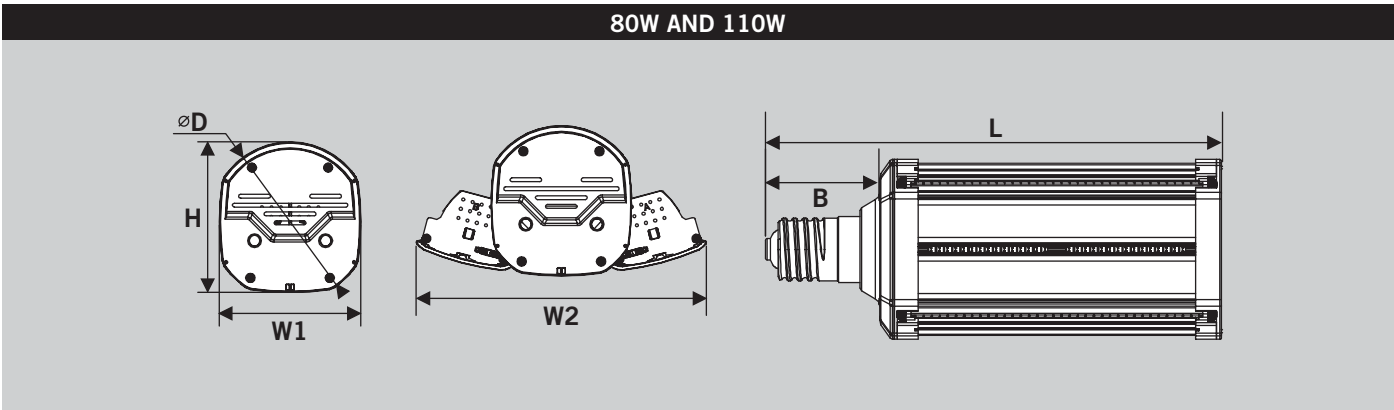


Typical Applications

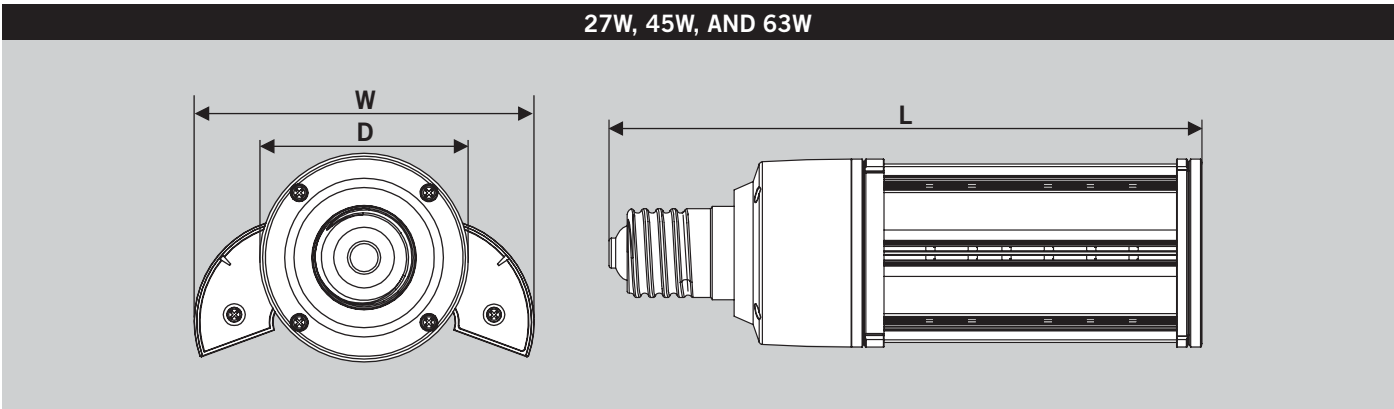


DirectDrive Xpander 180° Horizontal Lamps

PRODUCT DIMENSIONS



Lamp Wattage	80W	110W
Diameter	4.94"	4.94"
Height	4.67"	4.67"
W1 (Closed)	4.39"	4.39"
W2 (Open)	9.00"	9.00"
Length	8.71"	11.09"

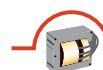


Lamp Wattage	27W	45W	63W
D (Closed Diameter)	3.23"	3.23"	3.23"
W (Open Width)	5.26"	5.26"	5.26"
Length	8.70"	9.76"	11.12"

High Bay Replacement Lamps



BUILT-IN SURGE PROTECTION



BYPASS THE BALLAST



RoHS Compliant

5 YEAR WARRANTY



50,000 HOUR LIFETIME

FEATURES AND BENEFITS

- Replacement for conventional metal halide lamps
- Suitable for use in fully enclosed fixtures
- Non-dimmable
- Environmentally friendly: no mercury used
- Instant start-up
- Integral driver eliminates the need for external driver or ballast; includes 6kV surge protection
- Operating temperature: -29°C/-20°F to 60°C/140°F

Catalog Number	Rated Lamp Wattage	Metal Halide Equivalent Wattage	Input Voltage	Base Type	Lumens	CRI	IP Rating	Efficacy	Meets DLC	Smart Port LED Technology
KT-LED60HID-V-E26-8xx-D	60W	175W	120-277V	E26 Medium	8,100	>80	IP40	135 lm/W	N/A	Yes
KT-LED60HID-V-EX39-8xx-D	60W	175W	120-277V	EX39 Mogul	8,100	>80	IP40	135 lm/W	Yes	Yes
KT-LED80HID-V-E26-8xx-D /G2	80W	250W	120-277V	E26 Medium	10,800	>80	IP40	135 lm/W	N/A	Yes
KT-LED80HID-V-EX39-8xx-D /G2	80W	250W	120-277V	EX39 Mogul	10,800	>80	IP40	135 lm/W	Yes	Yes
KT-LED115HID-V-EX39-8xx-D /G2	115W	400W	120-277V	EX39 Mogul	15,750	>80	IP40	135 lm/W	Yes	Yes

* 8xx denotes several color temperatures available. 115W lamp is not available in 3000K.

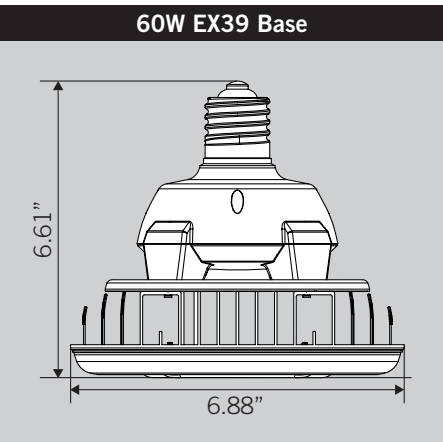
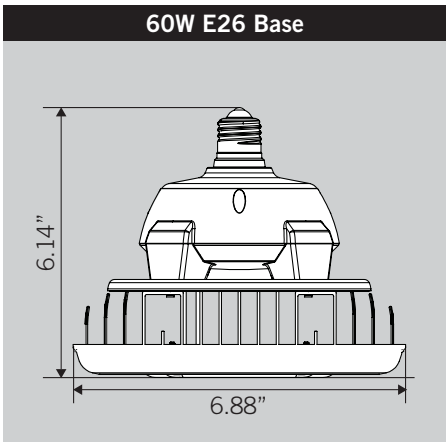
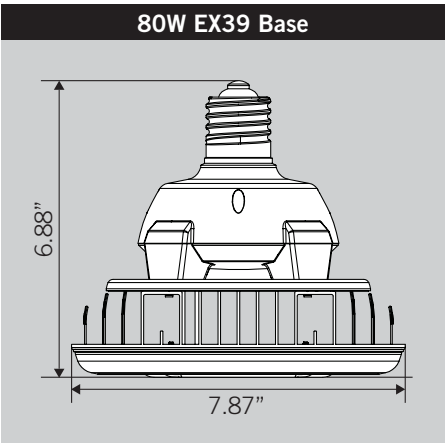
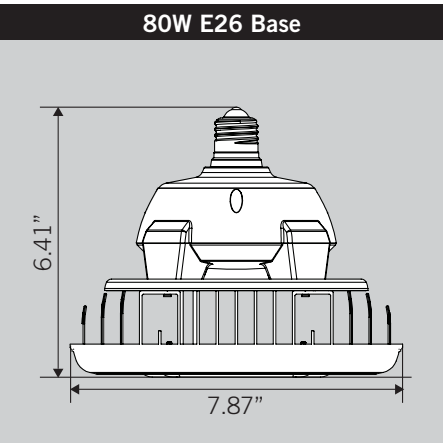
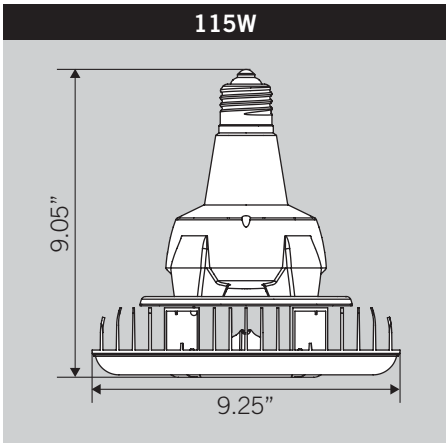
830	800 Series, 3000K	840	800 Series, 4000K	850	800 Series, 5000K
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With SmartCool technology, a thermal sensor in the lamp activates during extreme high temperature conditions. Power to the lamp is reduced by up to 20% to cool the lamp and maintain lamp life. Once the sensor reaches an acceptable temperature, the lamp gradually returns to full light output. Included in 54W, 63W, 80W, 100W, 110W and 115W DirectDrive HID LED lamps.

High Bay Replacement Lamps

PRODUCT DIMENSIONS



High Bay Replacement Lamps



BUILT-IN SURGE PROTECTION



MAGNETIC HID BALLAST COMPATIBLE



RoHS Compliant

5 YEAR WARRANTY



50,000 HOUR LIFETIME

PRODUCT FEATURES

- **Plug and play installation: No wiring required**
- Includes safety tether to add additional security for installation
- Environmentally friendly: No mercury used
- Instant start-up
- Frosted lens eliminates glare
- Operating temperature: -40°C/-40°F to 29°C/85°F
- Suitable for dry and damp locations
- Lower wattage draw can extend lifetime of HID ballast
- CRI >80

400W METAL HALIDE REPLACEMENT

Driven by 400W (M59) Ballast

Driven by 320W (M154) Ballast

Catalog Number	Supported Ballast Types	Lamp Wattage	Base Type	Orientation	Input Voltage	Lumens	System Wattage	Lumens	System Wattage
KT-LED130HID-V-EX39-8xx-S	400W (M59, M135), 320W (M154, M155)	130W	EX39	Vertical	Ballast Dependent	13,000	166W	11,000	138W

175W METAL HALIDE REPLACEMENT

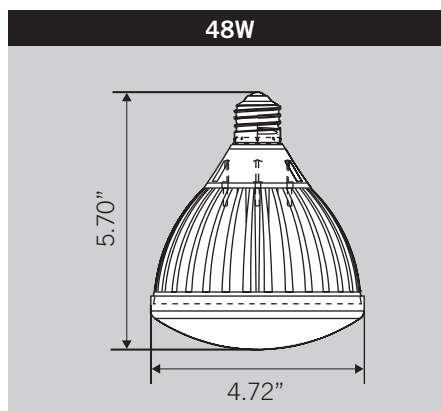
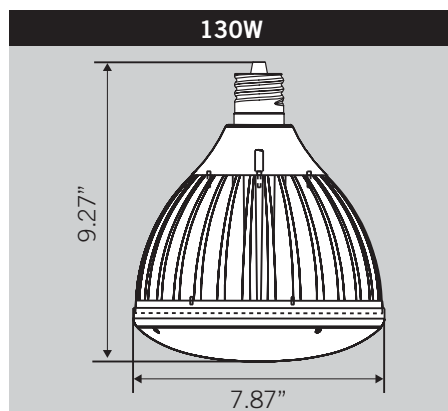
Driven by 175W (M57) Ballast

Catalog Number	Supported Ballast Types	Lamp Wattage	Base Type	Orientation	Input Voltage	Lumens	System Wattage
KT-LED48HID-V-E26-8xx-S	175W (M57, M137, M152)	48W	E26	Vertical	Ballast Dependent	5,600	79W

*8xx denotes several color temperatures available:

840	800 Series, 4000K	850	800 Series, 5000K
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PRODUCT DIMENSIONS



LAMP AND BALLAST KITS

The items above are also available with a corresponding Keystone ballast. When installed together, the lamp and ballast are eligible for a 5 year system warranty. To order, add -PKIT to the part number Example: KT-LED-130HID-V-EX39-840-S-PKIT

ARMOR LIGHT



**LIGHTWEIGHT
& HEAVY DUTY**



**EASY
INSTALLATION**

**RoHS
Compliant**

**5YEAR
WARRANTY**



**50,000 HOUR
LIFETIME**

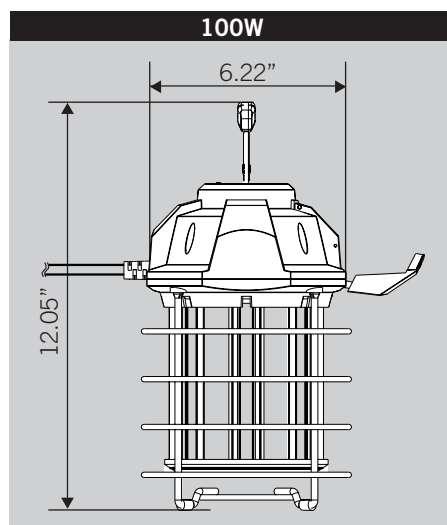
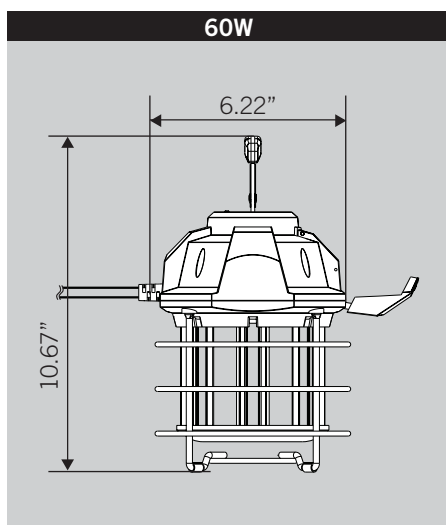
PRODUCT FEATURES

- 50,000 hour lifetime
- Frosted lens to reduce glare
- Includes a 3' cord and clip for maximum versatility when hanging the fixture
- Linkable
- Omni-directional light distribution
- 6kV surge protection
- Strong, durable, lightweight construction suitable for construction areas, outdoor activity lighting
- Isolated driver for better heat dissipation
- Driver with heat sink silicone is waterproof, dust-proof, and anti-mosquito
- Operating temperature: -40°C/-40°F to 60°C/140°F

Catalog Number*	Power Consumption	CRI	Input Voltage	Color Temperature	Total Lumens	Efficacy	IP Rating	Metal Halide HID Equivalent
KT-TFLED60-850 /G2	60W	≥80	120V	5000K	6,000	100 lm/W	IP64	175W
KT-TFLED100-850 /G2	100W	≥80	120V	5000K	10,000	100 lm/W	IP64	400W

*G1 items may be in stock and are not linkable; contact Keystone for details

PRODUCT DIMENSIONS



Accessories for HID LED Solutions (Sold Separately)

SURGE PROTECTOR

Catalog Number	Description
KTSP-10KV	External surge protector; input voltage 120-277V; max. peak current: 10KV; IP65 Rated

SOCKET BASE ADAPTER

Catalog Number	Description
KT-ADAPTER-E39-E26	Socket base adapter allowing an E26 base lamp to be used in an E39 socket

OPEN CORE STEP DOWN TRANSFORMER

Catalog Number	Description
KTAT-150-480-277-OC	480V to 277V step-down auto-transformer, open core

STEP DOWN TRANSFORMERS

Catalog Number	Description
KTAT-70-480-277	480V to 277V step-down auto-transformer
KTAT-250-480-277	480V to 277V step-down auto-transformer

SIGN BASE STATION

Catalog Number	Description
KT-SMB-HID1-E39	Sign base station for use in sign cabinet over 30"

SURGE PROTECTOR



SOCKET BASE ADAPTER



OPEN CORE STEP DOWN TRANSFORMER



STEP DOWN TRANSFORMERS



SIGN BASE STATION

POP DISPLAYS NOW AVAILABLE

Retail Display



Countertop Display



KEYSTONE'S RECOMMENDED STOCK ORDER FOR POP DISPLAYS

Catalog Number	Wattage	Lumens	Metal Halide Equivalent	Recommended Stock Order Quantity
DirectDrive 360° VERTICAL LAMPS				
KT-LED12HID-E26-8xx-D	12W	1,740	50W	4
KT-LED18HID-E26-8xx-D	18W	2,610	70W	4
KT-LED27HID-E26-8xx-D /G2	27W	3,915	100W	6
KT-LED27HID-EX39-8xx-D /G2	27W	3,915	100W	6
KT-LED36HID-E26-8xx-D /G3	36W	5,400	150W	3
KT-LED36HID-EX39-8xx-D /G3	36W	5,400	150W	3
KT-LED45HID-E26-8xx-D /G3	45W	6,750	175W	3
KT-LED45HID-EX39-8xx-D /G3	45W	6,750	175W	6
KT-LED54HID-EX39-8xx-D /G3	54W	8,100	200-250W	9
KT-LED63HID-EX39-8xx-D /G3	63W	9,450	250W	1
KT-LED80HID-EX39-8xx-D /G2	80W	12,000	320W	1
KT-LED100HID-EX39-8xx-D /G2	100W	15,000	400W	2
DirectDrive XPANDER 180° HORIZONTAL LAMPS				
KT-LED27HID-H-E26-8xx-D	27W	4,100	100/150W	3
KT-LED27HID-H-EX39-8xx-D	27W	4,100	100/150W	3
KT-LED45HID-H-E26-8xx-D	45W	6,400	175W	3
KT-LED45HID-H-EX39-8xx-D	45W	6,400	175W	3
KT-LED63HID-H-EX39-8xx-D	63W	9,450	250W	1
KT-LED110HID-H-EX39-8xx-D /G3	110W	16,500	400W	1
DirectDrive HIGH BAY REPLACEMENT LAMPS				
KT-LED115HID-V-EX39-8xx-D /G2	115W	15,750	400W	1
ARMOR LIGHT TEMPORARY FIXTURES				
KT-TFLED100-850-D /G2	100W	10,000	400W	1

Contact your local representative for more information: Keystone Technologies | Philadelphia, PA | 800-464-2680 | keystone-tech.com



We'd love to send you a FREE SAMPLE!

Call: 800-464-2680 | Email: samples@keystonetech.com | Web: keystonetech.com/samples

Some restrictions apply. Learn more at keystonetech.com.

