



# KT-LED110HID-H-EX39-8XX-D /G3

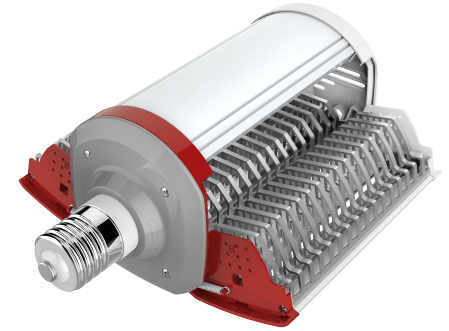
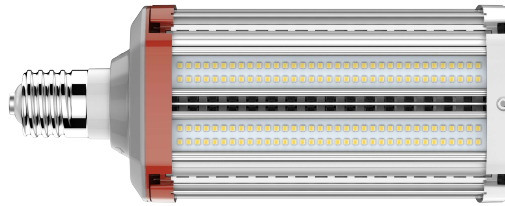
## HID REPLACEMENT LED LAMP

### DESCRIPTION

110W HID Replacement LED Lamp | 3000–5000K | 85 CRI | IP64 Rated



<b>LAMP TYPE:</b> HID Replacement LED
<b>BASE TYPE:</b> EX39 (Mogul) Rotatable
<b>WATTAGE:</b> 110W
<b>COLOR TEMPERATURE:</b> 3000–5000K
<b>METAL HALIDE EQUIVALENT:</b> 400W
<b>COLOR RENDERING INDEX (CRI):</b> 85
<b>WARRANTY:</b> 5 Years



### PRODUCT FEATURES

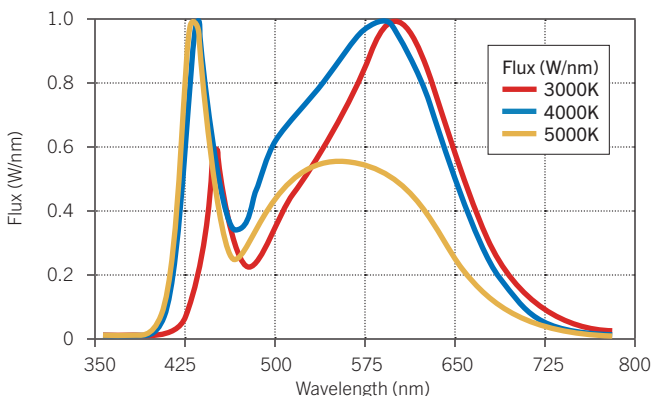
- Replacement for conventional metal halide lamp
- Ideal for shoebox and canopy retrofit applications
- 50,000+ hour lifetime
- Environmentally friendly: No mercury used
- Instant startup
- UL Listed; listed on DLC QPL
- Optimized for horizontal applications with directional light output from opening LED assembly construction
- Operating temperature: –30°C to 60°C / –22°F to 140°F in enclosed fixture.\*
- Exceeding 30°C / 86°F in fully enclosed fixtures will engage active cooling and power de-rating to ensure full product lifetime
- Integral driver, eliminates the need for external driver or ballast; includes 4kV surge protection
- IP64 Rated; integrated heat sink quickly dissipates heat and guides water intrusion out of the lamp
- Suitable for use in fully enclosed fixture
- Do not use with standard dimmers. Not compatible with phase dimmers. Dimming functions with sensors only

\*Lamp may enter SmartCooling mode in order to optimize lamp performance when fixture environmental ambient temperature reaches 35°C–45°C / 95°F–113°F, depending on the fixture type. During this condition, lamp power consumption and lumen output may be regulated up to 20% less than standard operation.

### ELECTRICAL AND PERFORMANCE SPECIFICATIONS

Catalog Number	Input Voltage	Power Consumption	Color Temperature (CCT)	Luminous Flux	Efficacy	Beam Angle	Power Factor	Input Current	Rated Life
KT-LED110HID-H-EX39-830-D /G3	120–277 Vac	110W	3000K	15,400 lm	120 lm/W	240°	>0.9	0.92A @ 120V 0.40A @ 277V	L70 (Hours) 50,000
KT-LED110HID-H-EX39-840-D /G3			4000K	15,950 lm	120 lm/W				
KT-LED110HID-H-EX39-850-D /G3			5000K	16,500 lm	125 lm/W				

### SPECTRAL DISTRIBUTION



### SMART PORT LED

Low voltage AUX port for Smart Port LED sensors.



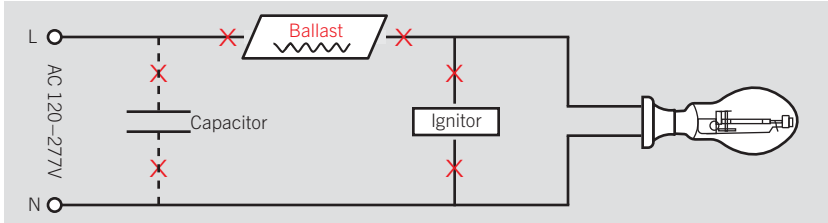
# KT-LED110HID-H-EX39-8XX-D /G3

## HID REPLACEMENT LED LAMP

### WIRING INSTRUCTIONS

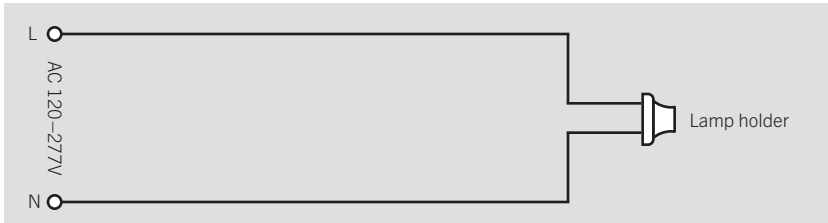
#### STEP 1

**Disconnect power.** Disconnect and remove existing ballast, capacitor, and/or ignitor (where applicable) from fixture.



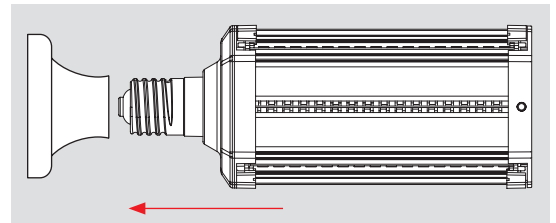
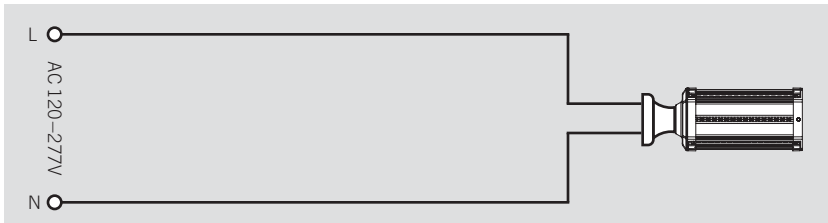
#### STEP 2

Rewire for line voltage to the lamp socket.



#### STEP 3

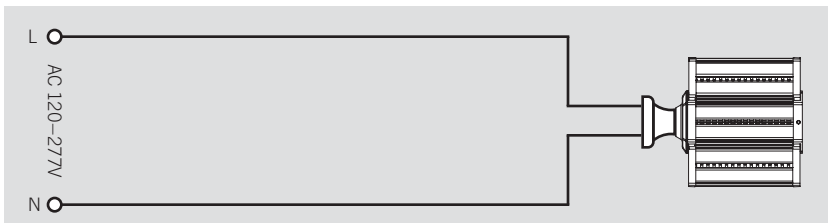
Install new LED replacement lamp. Ensure lamp is operating properly when power is turned on.



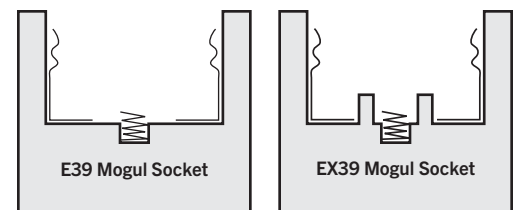
#### STEP 4

Rotate lamp base and open wings accordingly toward direction of desired lumination.

**Note:** The lamp will not illuminate until wings are open



**EX39-based lamps will work in both  
E39 and EX39 sockets.**





# KT-LED110HID-H-EX39-8XX-D /G3

## HID REPLACEMENT LED LAMP

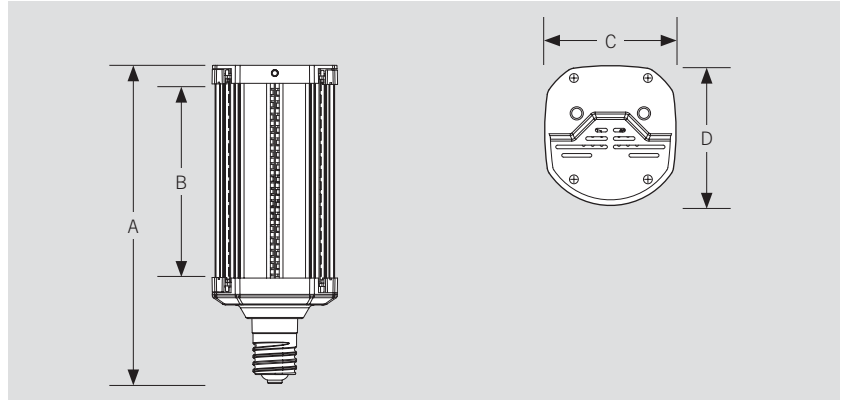
### PHYSICAL CHARACTERISTICS

#### LAMP DIMENSIONS

##### Wings Closed

A (Body Length)	11.13"
B (Illuminated Length)	6.83"
C (Width)	4.39"
D (Height)	4.66"

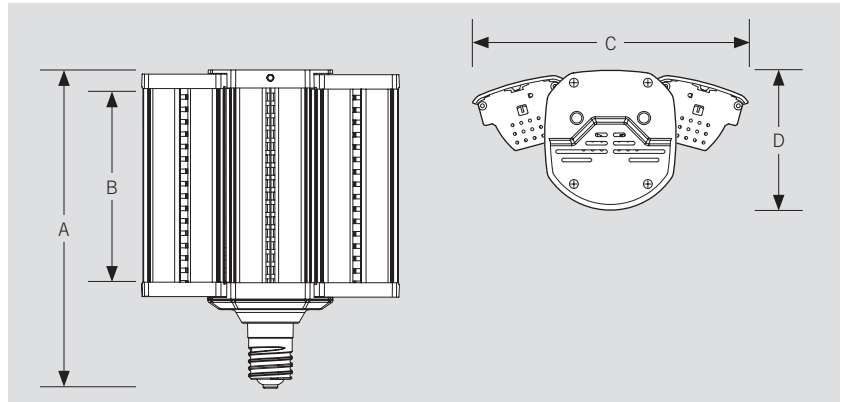
Base Type: EX39 (Mogul) Rotatable



##### Wings Open

A (Body Length)	11.13"
B (Illuminated Length)	6.83"
C (Width)	9.02"
D (Height)	4.66"

Base Type: EX39 (Mogul) Rotatable



### OPTIONAL ACCESSORIES

CATALOG NUMBER	DESCRIPTION
KTS-MW1-12V-AUX	SmartPort LED Microwave Occupancy sensor. On/Off with adjustable standby dimming level. 12V input, 3.5mm standard AUX port connection method
KTS-PIR1-12V-AUX	SmartPort LED PIR Occupancy sensor. On/Off with adjustable standby dimming level. 12V input, 3.5mm standard AUX port connection method
KTS-PS1-12V-AUX	SmartPort LED Photocell. On/Off with adjustable daylight threshold and timing. 12V input, 3.5mm standard AUX port connection method

### ORDERING INFORMATION

ORDER CODE	PACK QTY.	EASY CODE	UPC	DLC PRODUCT ID
KT-LED110HID-H-EX39-830-D /G3-DP	16	TBD	843654123592	PY3BX6FR
KT-LED110HID-H-EX39-840-D /G3-DP	16	IBS-66	843654123608	PFNBN8ZH
KT-LED110HID-H-EX39-850-D /G3-DP	16	IJS-89	843654123615	P4077TH9

### CATALOG NUMBER BREAKDOWN

# KT-LED110HID-H-EX39-8XX-D /G3

1 2 3 4 5 6 7 8 9 10

- |                         |             |                          |                     |                       |
|-------------------------|-------------|--------------------------|---------------------|-----------------------|
| 1 Keystone Technologies | 3 Wattage   | 5 Horizontal Orientation | 7 80 CRI            | 9 Direct Drive Series |
| 2 LED Lamp              | 4 Lamp Type | 6 Base Type              | 8 Color Temperature | 10 Third Generation   |



# KT-LED110HID-H-EX39-8XX-D /G3

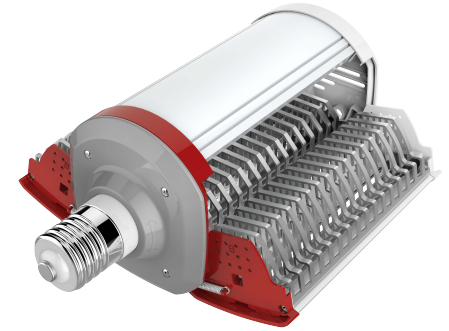
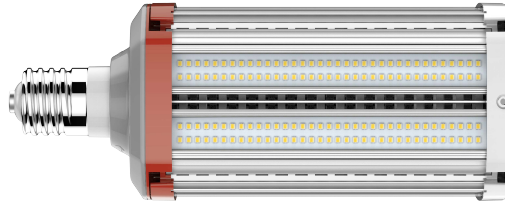
## HID REPLACEMENT LED LAMP

### DESCRIPTION

110W HID Replacement LED Lamp | 3000–5000K | 85 CRI | IP64 Rated



<b>LAMP TYPE:</b> HID Replacement LED
<b>BASE TYPE:</b> EX39 (Mogul) Rotatable
<b>WATTAGE:</b> 110W
<b>COLOR TEMPERATURE:</b> 3000–5000K
<b>METAL HALIDE EQUIVALENT:</b> 400W
<b>COLOR RENDERING INDEX (CRI):</b> 85
<b>WARRANTY:</b> 5 Years



### PRODUCT FEATURES

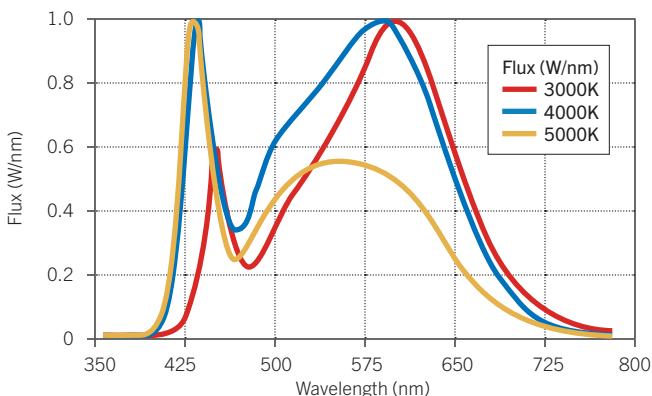
- Replacement for conventional metal halide lamp
- Ideal for shoebox and canopy retrofit applications
- 50,000+ hour lifetime
- Environmentally friendly: No mercury used
- Instant startup
- UL Listed; listed on DLC QPL
- Optimized for horizontal applications with directional light output from opening LED assembly construction
- Operating temperature: –30°C to 60°C / –22°F to 140°F in enclosed fixture.\*
- Exceeding 30°C / 86°F in fully enclosed fixtures will engage active cooling and power de-rating to ensure full product lifetime
- Integral driver, eliminates the need for external driver or ballast; includes 4kV surge protection
- IP64 Rated; integrated heat sink quickly dissipates heat and guides water intrusion out of the lamp
- Suitable for use in fully enclosed fixture
- Do not use with standard dimmers. Not compatible with phase dimmers. Dimming functions with sensors only

\*Lamp may enter SmartCooling mode in order to optimize lamp performance when fixture environmental ambient temperature reaches 35°C–45°C / 95°F–113°F, depending on the fixture type. During this condition, lamp power consumption and lumen output may be regulated up to 20% less than standard operation.

### ELECTRICAL AND PERFORMANCE SPECIFICATIONS

Catalog Number	Input Voltage	Power Consumption	Color Temperature (CCT)	Luminous Flux	Efficacy	Beam Angle	Power Factor	Input Current	Rated Life
KT-LED110HID-H-EX39-830-D /G3	120–277 Vac	110W	3000K	15,400 lm	120 lm/W	240°	>0.9	0.92A @ 120V 0.40A @ 277V	L70 (Hours) 50,000
KT-LED110HID-H-EX39-840-D /G3			4000K	15,950 lm	120 lm/W				
KT-LED110HID-H-EX39-850-D /G3			5000K	16,500 lm	125 lm/W				

### SPECTRAL DISTRIBUTION



### SMART PORT LED

Low voltage AUX port for Smart Port LED sensors.



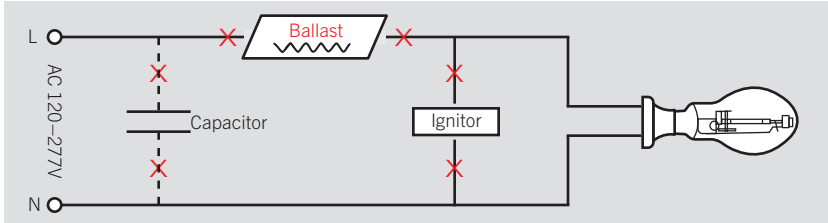
# KT-LED110HID-H-EX39-8XX-D /G3

## HID REPLACEMENT LED LAMP

### WIRING INSTRUCTIONS

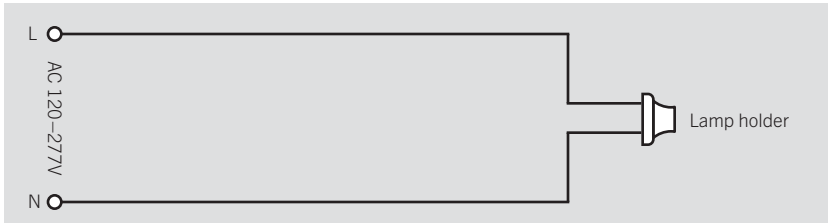
#### STEP 1

**Disconnect power.** Disconnect and remove existing ballast, capacitor, and/or ignitor (where applicable) from fixture.



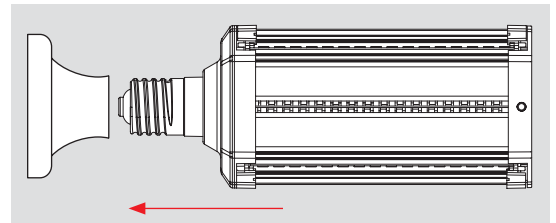
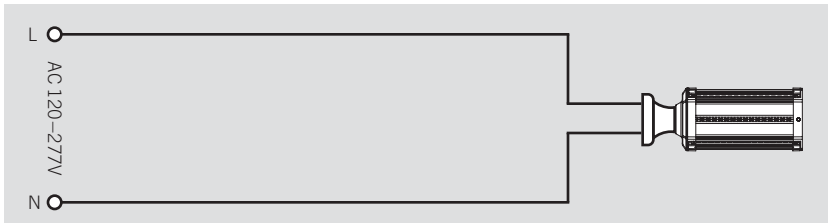
#### STEP 2

Rewire for line voltage to the lamp socket.



#### STEP 3

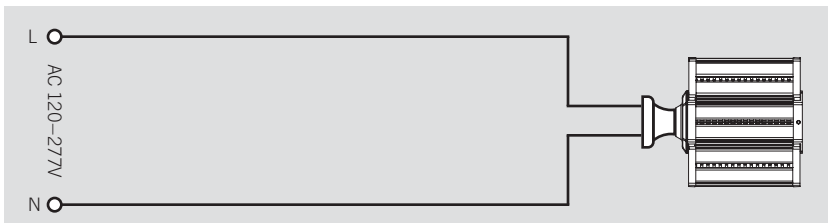
Install new LED replacement lamp. Ensure lamp is operating properly when power is turned on.



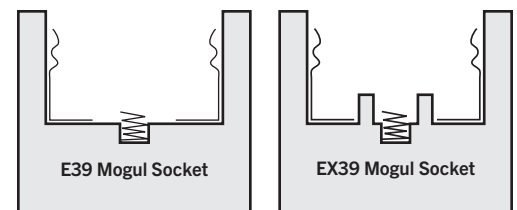
#### STEP 4

Rotate lamp base and open wings accordingly toward direction of desired lumination.

**Note:** The lamp will not illuminate until wings are open



**EX39-based lamps will work in both  
E39 and EX39 sockets.**





# KT-LED110HID-H-EX39-8XX-D /G3

## HID REPLACEMENT LED LAMP

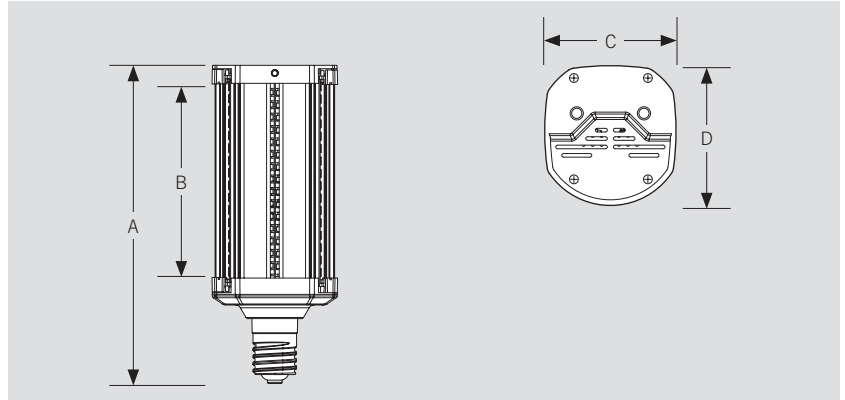
### PHYSICAL CHARACTERISTICS

#### LAMP DIMENSIONS

##### Wings Closed

A (Body Length)	11.13"
B (Illuminated Length)	6.83"
C (Width)	4.39"
D (Height)	4.66"

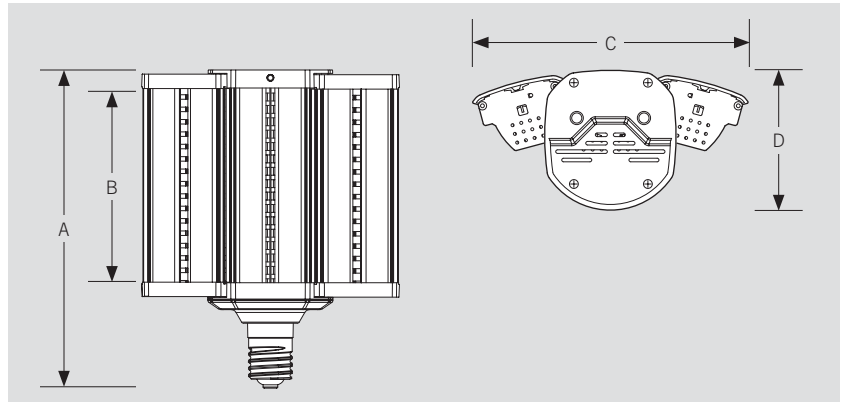
Base Type: EX39 (Mogul) Rotatable



##### Wings Open

A (Body Length)	11.13"
B (Illuminated Length)	6.83"
C (Width)	9.02"
D (Height)	4.66"

Base Type: EX39 (Mogul) Rotatable



### OPTIONAL ACCESSORIES

CATALOG NUMBER	DESCRIPTION
KTS-MW1-12V-AUX	SmartPort LED Microwave Occupancy sensor. On/Off with adjustable standby dimming level. 12V input, 3.5mm standard AUX port connection method
KTS-PIR1-12V-AUX	SmartPort LED PIR Occupancy sensor. On/Off with adjustable standby dimming level. 12V input, 3.5mm standard AUX port connection method
KTS-PS1-12V-AUX	SmartPort LED Photocell. On/Off with adjustable daylight threshold and timing. 12V input, 3.5mm standard AUX port connection method

### ORDERING INFORMATION

ORDER CODE	PACK QTY.	EASY CODE	UPC	DLC PRODUCT ID
KT-LED110HID-H-EX39-830-D /G3-DP	16	TBD	843654123592	PY3BX6FR
KT-LED110HID-H-EX39-840-D /G3-DP	16	IBS-66	843654123608	PFNBN8ZH
KT-LED110HID-H-EX39-850-D /G3-DP	16	IJS-89	843654123615	P4077TH9

### CATALOG NUMBER BREAKDOWN

# KT-LED110HID-H-EX39-8XX-D /G3

1 2 3 4 5 6 7 8 9 10

- |                         |             |                          |                     |                       |
|-------------------------|-------------|--------------------------|---------------------|-----------------------|
| 1 Keystone Technologies | 3 Wattage   | 5 Horizontal Orientation | 7 80 CRI            | 9 Direct Drive Series |
| 2 LED Lamp              | 4 Lamp Type | 6 Base Type              | 8 Color Temperature | 10 Third Generation   |