

# SYLVANIA Lamps

## ULTRA LED™ Selectable HIDr

### Application

ULTRA LED HID replacement lamps are ideal for indoor high/ low bay lighting and outdoor decorative post top fixtures in walkway lighting applications. The lumen and CCT selectable option allows for customizable light output replacing up to 400W HID applications.

### Benefits and Features

- Lasts up to 5 times longer than HID lamps
- No warm-up time, instant on with full light output and stable color
- Consumes up to 76% less energy than equivalent HID lamps while delivering same light output
- Lumen and CCT selectable light enabled through physical controls located on the lamp.
- Continuous and standby dimming can be enabled on lamps 80W and higher, when paired with the optional snap-on motion/daylight sensor and remote control
- Passive cooling design (higher reliability with no internal fan)
- Rated for open and enclosed fixtures
- Up to 155 LPW
- 3000K, 4000K and 5000K selectable color temperatures
- CRI 80+
- 360° beam angle (or omnidirectional) with Type V distribution

### Electrical

- 120-277V<sub>AC</sub>
- Power Factor >90%
- 6kV surge protection

### Rated Life

- 50,000 hours (L<sub>70</sub>)

### Warranty

- Standard 5 year lamp warranty

### Ambient Operating Range

- -40°F to +122°F (-40°C to +50°C)



### Wattage Comparison

Traditional Source	Traditional System Wattage	LED System Wattage	Energy Savings	Energy Savings Over Lamp Life
HID Metal Halide	50W	12W	76%	\$209
HID Metal Halide	70W	18W	74%	\$286
HID Metal Halide	100W	27W	73%	\$401
HID Metal Halide	150W	36W	76%	\$627
HID Metal Halide	150W	45W	70%	\$577
HID Metal Halide	175W	54W	69%	\$665
HID Metal Halide	250W	80W	68%	\$935
HID Metal Halide	320W	100W	69%	\$1210
HID Metal Halide	400W	120W	70%	\$1540

### Certifications and Listings

- IP64 Rated
- cULus
- RoHS
- FCC\*
- Lead Free
- Mercury Free

\*This device complies with Part 15 of the FCC rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation. Please visit: [www.SYLVANIA.com/fccpart15b](http://www.SYLVANIA.com/fccpart15b) for more information.

### Installation

- Requires easy ballast by-pass
- Lamp operates directly on line voltage, 120-277V<sub>AC</sub>



Specification Data

Catalog #	Type
Project	
Comments	
Prepared by	

Ordering Guide

LED	XXX	HIDR	8	SC2	XXX
LED LED Lamps and Retrofits	Wattage 12, 18, 27, 36, 54, 80, 100 and 120	Lamp Type HID Replacement	CRI 8 = 80+	Color Temp SC2 = Selectable 3000K, 4000K or 5000K	Base Type MED = E26 Medium Base MOG = EX39 Mogul Base

Ordering Information

Item Number	Ordering Abbreviation	Power (W)	Base Type	Replaces	Input Voltage (V)	Average Life (hrs)	Selectable CCT	Typical Lumens (lm)	Efficacy (lm/W)	CRI	Dimming <sup>2,3</sup>	Case Qty	DLC	CEC
41006	LED12HIDR8SC2MED 4/CS 1/SKU	12	Medium base	50W HID	120-277	50,000	3000K	1680	140	80+	No	4	No	No
							4000K	1860	155					
							5000K	1800	150					
41007	LED18HIDR8SC2MED 4/CS 1/SKU	18	Medium base	70W HID	120-277	50,000	3000K	2600	140	80+	No	4	No	Yes
							4000K	2800	155					
							5000K	2700	150					
41008	LED27HIDR8SC2MED 4/CS 1/SKU	27	Medium base	100W HID	120-277	50,000	3000K	3780	140	80+	Yes	4	No	Yes
							4000K	4200	155					
							5000K	4050	150					
41009	LED36HIDR8SC2MED 4/CS 1/SKU	36	Medium base	150W HID	120-277	50,000	3000K	5040	140	80+	Yes	4	No	Yes
							4000K	5600	155					
							5000K	5400	150					
41010	LED45HIDR8SC2MOG 4/CS 1/SKU	45	Mogul base	150W HID HO <sup>1</sup>	120-277	50,000	3000K	6300	140	80+	Yes	4	No	Yes
							4000K	7000	155					
							5000K	6750	150					
41011	LED54HIDR8SC2MOG 4/CS 1/SKU	54	Mogul base	175W HID	120-277	50,000	3000K	7560	140	80+	Yes	4	No	Yes
							4000K	8400	155					
							5000K	8100	150					
41012	LED80HIDR8SC2MOG 4/CS 1/SKU	80	Mogul base	250W HID	120-277	50,000	3000K	11,200	140	80+	Yes	4	No	Yes
							4000K	12,400	155					
							5000K	12,000	150					
41013	LED100HIDR8SC2MOG 4/CS 1/SKU	100	Mogul base	320W HID	120-277	50,000	3000K	14,000	140	80+	Yes	4	No	Yes
							4000K	15,500	155					
							5000K	15,000	150					
41014	LED120HIDR8SC2MOG 4/CS 1/SKU	120	Mogul base	400W HID	120-277	50,000	3000K	16,800	140	80+	Yes	4	No	Yes
							4000K	18,600	155					
							5000K	18,000	150					

<sup>1</sup>HO refers to a High Output lumen replacement.  
<sup>2</sup>Dimming can be controlled through a physical knob on 27W–120W lamp types or when paired with optional motion/daylight sensor and remote control on 80W–120W lamp types.  
<sup>3</sup>Not compatible with other dimmers.

Accessory Information

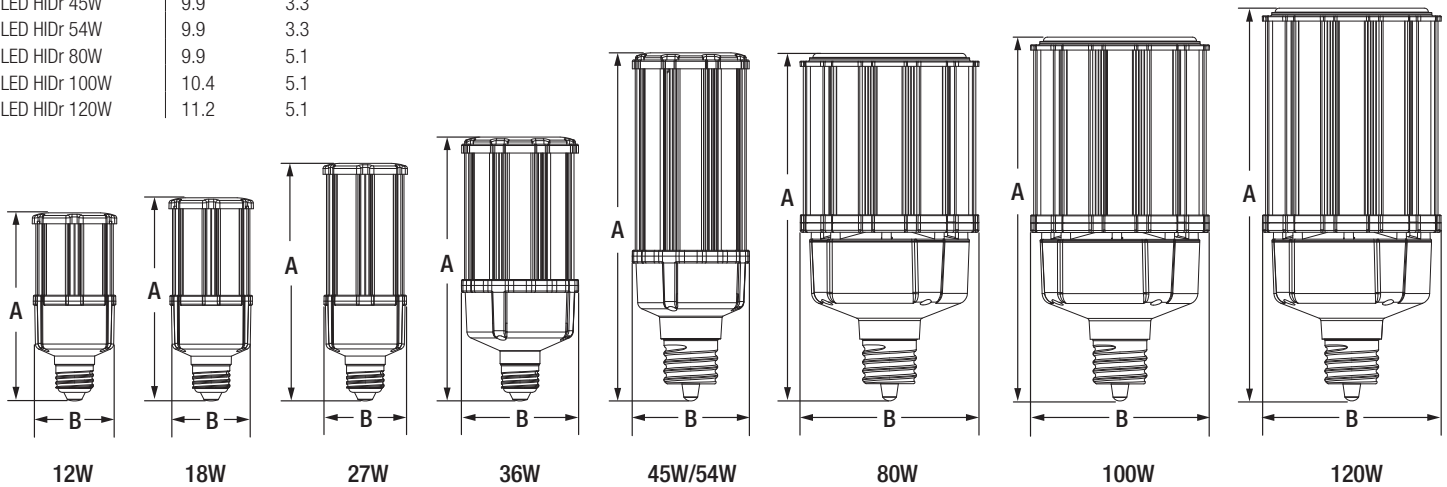
Item Number	Ordering Abbreviation	Description
75055	LED/ADAPTOR/MOGULBASE*	LED Retrofit HID Mogul Base Adapter

\*Enables lamps with E26 medium base to be used in EX39 mogul base socket applications.



## Physical Information

Lamp Description	(A) Length (in)	(B) Diameter (in)
LED HiDr 12W	5.3	2.3
LED HiDr 18W	5.8	2.3
LED HiDr 27W	6.8	2.3
LED HiDr 36W	7.5	3.3
LED HiDr 45W	9.9	3.3
LED HiDr 54W	9.9	3.3
LED HiDr 80W	9.9	5.1
LED HiDr 100W	10.4	5.1
LED HiDr 120W	11.2	5.1




## Additional Specifications

- Verify fixture size before installation to ensure fit.
- Dimming function can only be enabled either through a physical knob on 27W–120W lamps or by pairing with a SYLVANIA motion sensor and remote control (purchased separately) for 80W–120W lamps. Dimming is not compatible with other dimmers.
- Not suited with outdoor fixtures with air vents.
- Should not be directly exposed to water.

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