



## High-Intensity Discharge (HID) Lamp Information

HID lamps offer high light output and have longer life expectancy than incandescent bulbs. **LED** lamps use significantly less energy and need to be replaced less often than other HID lamp types. They reach full brightness instantly, produce very little heat, and can withstand temperature changes, vibration, and humidity. **Ceramic metal halide** and **metal halide** lamps offer better color rendering than high-pressure sodium and mercury vapor lamps and are used for indoor and outdoor lighting. **High-pressure sodium** and **mercury vapor** lamps are used for outdoor, security, and roadway lighting. Ceramic metal halide, metal halide, high-pressure sodium, and mercury vapor lamps take a few minutes to reach full brightness and must cool down before they can be restocked after turning off.

Quick Guide to Color	
Color Temperature	Color Designation
1800K	Orange
1900-2200K	Warm Yellow
2700K	Soft White
3000-3200K	Warm White, SP30
3400-3700K	Neutral White, SP35
3800-4500K	Cool White, SP41
5200-5700K	Blue White, SP50
6200-6700K	Daylight, SP65



53PX10



2TJ27



## Current © PHILIPS SYLVANIA EX39 Mogul Screw-Base HID & LED HID-Replacement Light Bulbs

The EX39 extended mogul screw base on these light bulbs has a 39mm dia. and a longer center terminal than an E39 base. The bulbs screw into both E39 sockets (typically found on enclosed fixtures) and protected EX39 sockets (typically found on open fixtures). These bulbs are used in fixtures with a high mounting height, such as street lights, floodlights, and high-bay and low-bay lights in warehouses and convention centers.

Light Technology	Watts	Color Temp.	Lumens	Rated Life	Bulb Shape	Bulb Power Source	Overall Length	ANSI Code	Brand	Item No.	
<b>EX39 Mogul Screw-Base HID &amp; LED HID-Replacement Light Bulbs</b>											
HID	12 W, 18 W, 24 W	3000K, 4000K, 5000K	1550 to 3360 lm	50,000 hr	Cylindrical	—	6 7/8 in	—	Light Efficient Design	792UW4	
	27 W	3000K	3,900 lm	50,000 hr	HID	Direct Wired	8 3/4 in	—	Keystone Technologies	61CZ90	
	27 W	4000K	4,000 lm	50,000 hr	HID	Direct Wired	8 3/4 in	—	Keystone Technologies	61CZ91	
	27 W	5000K	4,100 lm	50,000 hr	HID	Direct Wired	8 3/4 in	—	Keystone Technologies	61CZ92	
	30 W	3000K, 4000K, 5000K	3500 lm, 4200 lm, 4300 lm	50,000 hr	Cylindrical	—	6 7/8 in	—	Light Efficient Design	792VA4	
	36 W	3000K, 4000K, 5000K	2,430 lm, 2,520 lm, 2,610 lm, 3,645 lm, 3,780 lm, 3,915 lm, 4,860 lm, 5,040 lm, 5,220 lm	50,000 hr	HID	Direct Wired	8 3/4 in	—	Keystone Technologies	61DA08	
	45 W	3000K	8,200 lm	50,000 hr	HID	Direct Wired	9 1/4 in	—	Keystone Technologies	61CZ93	
	45 W	3000K	8,200 lm	50,000 hr	HID	Direct Wired	10 1/4 in	—	Keystone Technologies	61CZ96	
	45 W	3000K, 4000K, 5000K	3,645 lm, 3,780 lm, 3,915 lm, 4,860 lm, 5,040 lm, 5,220 lm, 6,075 lm, 6,300 lm, 6,525 lm	50,000 hr	HID	Direct Wired	9 7/8 in	—	Keystone Technologies	61DA10	
	45 W	4000K	6,300 lm	50,000 hr	HID	Direct Wired	9 3/4 in	—	Keystone Technologies	61CZ97	
	45 W	5000K	6,400 lm	50,000 hr	HID	Direct Wired	9 3/4 in	—	Keystone Technologies	61CZ98	
	50 W	3000K, 4000K, 5000K	6400 lm, 6900 lm, 7200 lm, 4,860 lm, 5,040 lm, 5,220 lm, 6,075 lm, 6,300 lm, 6,525 lm, 7,290 lm, 7,560 lm, 7,830 lm	50,000 hr	Cylindrical	—	8 1/2 in	—	Light Efficient Design	792VA6	
	54 W	3000K, 4000K, 5000K	8,820 lm	50,000 hr	HID	Direct Wired	9 7/8 in	—	Keystone Technologies	61DA11	
	LED	63 W	3000K	8,820 lm	50,000 hr	HID	Direct Wired	10 1/4 in	—	Keystone Technologies	61CZ99
		63 W	3000K, 4000K, 5000K	6,075 lm, 6,300 lm, 6,525 lm, 7,290 lm, 7,560 lm, 7,830 lm, 8,505 lm, 8,820 lm, 9,035 lm	50,000 hr	HID	Direct Wired	10 1/2 in	—	Keystone Technologies	61DA12
63 W		4000K	9,198 lm	50,000 hr	HID	Direct Wired	11 1/8 in	—	Keystone Technologies	61DA01	
63 W		5000K	9,450 lm	50,000 hr	HID	Direct Wired	11 1/8 in	—	Keystone Technologies	61DA02	
80 W		3000K	12,000 lm	50,000 hr	ED23.5	Direct Wired	7 3/4 in	—	Current	788VT6	
80 W		3000K, 4000K, 5000K	10,800 lm, 11,200 lm, 11,600 lm, 7,290 lm, 7,560 lm, 7,830 lm, 8,505 lm, 8,820 lm, 9,135 lm	50,000 hr	HID	Direct Wired	9 3/4 in	—	Keystone Technologies	61DA13	
80 W		3000K, 4000K, 5000K	10,800 lm, 11,200 lm, 11,600 lm, 13,500 lm, 14,000 lm, 14,500 lm, 8,505 lm, 8,820 lm, 9,135 lm	50,000 hr	HID	Direct Wired	10 3/8 in	—	Keystone Technologies	61DA14	
80 W		4000K	11,600 lm	50,000 hr	HID	Direct Wired	8 3/4 in	—	Keystone Technologies	61DA03	
80 W		5000K	12,000 lm	50,000 hr	HID	Direct Wired	8 3/4 in	—	Keystone Technologies	61DA04	
100 W		3000K, 4000K, 5000K	10,800 lm, 11,200 lm, 11,600 lm, 13,500 lm, 14,000 lm, 14,500 lm, 8,505 lm, 8,820 lm, 9,135 lm	50,000 hr	HID	Direct Wired	10 3/8 in	—	Keystone Technologies	61DA14	
110 W	3000K, 4000K, 5000K	14,500 lm, 15,400 lm, 15,700 lm	50,000 hr	Cylindrical	—	11 3/8 in	—	Light Efficient Design	792VA8		
110 W	3000K, 4000K, 5000K	14,500 lm, 15,400 lm, 15,700 lm	50,000 hr	Cylindrical	—	11 3/8 in	—	Light Efficient Design	792VA9		
110 W	4000K	15,950 lm	50,000 hr	HID	Direct Wired	11 1/8 in	—	Keystone Technologies	61DA05		
110 W	5000K	16,500 lm	50,000 hr	HID	Direct Wired	11 1/8 in	—	Keystone Technologies	61DA06		
<b>100W MH/100W HPS Wattage Equivalency</b>											
LED	18 W	3000K, 4000K, 5000K	2,450 lm; 2560 lm; 2610 lm	50,000 hr	Cylindrical	Direct Wired	6 5/8 in	—	Light Efficient Design	60TD99	
	50 W	2450K	7,150 lm	50,000 hr	Cylindrical	Direct Wired	7 3/4 in	—	Current	55G111	
	50 W	4000K	7,500 lm	50,000 hr	ED37	Direct Wired	7 3/4 in	—	Current	429U45	
	50 W	5000K	7,500 lm	50,000 hr	ED37	Direct Wired	7 3/4 in	—	Current	429U46	
<b>125W MH/125W HPS Wattage Equivalency</b>											
LED	65 W	4000K	7,000 lm	50,000 hr	T140	Direct Wired	10 1/2 in	—	Philips	55G Y63	
	65 W	5000K	7,000 lm	50,000 hr	T140	Direct Wired	10 1/2 in	—	Philips	55G Y64	
<b>150W MH/150W HPS Wattage Equivalency</b>											
LED	24 W	5700K	3,425 lm	50,000 hr	Cylindrical	Direct Wired	6 3/4 in	—	Light Efficient Design	508G21	
	25 W	3000K	3,375 lm	50,000 hr	A23	Direct Wired	6 3/4 in	—	Light Efficient Design	55VR16	
	25 W	4000K	3,525 lm	50,000 hr	A23	Direct Wired	6 3/4 in	—	Light Efficient Design	55VR17	
	75 W	4000K	8,500 lm	50,000 hr	T140	Direct Wired	10 1/2 in	—	Philips	55G Y61	
	75 W	5000K	8,500 lm	50,000 hr	T140	Direct Wired	10 1/2 in	—	Philips	55G Y62	
<b>175W MH/175W HPS Wattage Equivalency</b>											
LED	30 W	4000K	4,350 lm	50,000 hr	Cylindrical	Direct Wired	11 1/2 in	—	Light Efficient Design	508G09	
	35 W	3000K	5,140 lm	50,000 hr	Cylindrical	Direct Wired	7 1/4 in	—	Light Efficient Design	60TD93	
	35 W	4000K	5,290 lm	50,000 hr	Cylindrical	Direct Wired	7 1/4 in	—	Light Efficient Design	60TD94	
	35 W	5000K	5,360 lm	50,000 hr	Cylindrical	Direct Wired	7 1/4 in	—	Light Efficient Design	60TD95	
	35 W, 45 W, 60 W	3000K, 4000K, 5000K	5,290 lm, 6,510 lm, 8,790 lm	50,000 hr	Cylindrical	Direct Wired	7 1/4 in	—	Light Efficient Design	60TD84	
	45 W	4000K	5,334 lm	50,000 hr	High/Low Bay	Direct Wired	7 1/2 in	—	Light Efficient Design	508G03	
	45 W	5000K	5,560 lm	50,000 hr	High/Low Bay	Direct Wired	7 1/2 in	—	Light Efficient Design	508G04	
	45 W	5000K	5,560 lm	50,000 hr	High/Low Bay	Plug and Play	6 7/8 in	—	Light Efficient Design	60RD75	
	80 W	4000K	12,000 lm	50,000 hr	ED37	Direct Wired	7 3/4 in	—	Current	429U47	
	80 W	5000K	12,000 lm	50,000 hr	ED37	Direct Wired	7 3/4 in	—	Current	429U48	

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