

# Contractor Series

## LED High Lumen Lamps



The SYLVANIA Contractor LED high lumen lamp is a self-ballasted medium/mogul base HID replacement lamp. The lamp is easy to install and is ideal for indoor high/low bay lighting and outdoor decorative post top fixtures in walkway lighting applications.

### Quality of Light

The SYLVANIA Contractor LED high lumen lamp provides excellent color rendering (82 CRI) in comparison with traditional high pressure sodium and metal halide lamps, and a selection of color temperatures (4000K and 5000K).

### Optical Design

Optical design efficiently directs light output in a 360° (horizontal) beam angle (or omnidirectional) with Type V distribution.

## Application Information

### Applications

- Indoor
  - High bay
  - Low bay
- Outdoor
  - Bollards
  - Decorative post top
  - Walkway lighting

### Application Notes

1. Operating temperature range between -40°F and +113°F (-40°C and +45°C) .
2. Existing HID ballast needs to be bypassed.
3. Verify fixture size before installation to ensure fit.
4. Not suited for outdoor fixtures with air vents.
5. Should not be directly exposed to water/humidity.
6. Suitable for indoor/outdoor use.
7. Can be used in enclosed fixtures.
8. Standard 5 year lamp warranty.
9. Not intended for use in dimming applications.

## Key Features & Benefits

- Lasts up to 3 times longer than HID lamps
- Eliminates need for ongoing HID and ballast replacement costs for over 7 years.<sup>1</sup>
- Consumes up to 70% less energy than equivalent HID lamps while delivering high light output
- Replacement for 50W-320W HID medium/mogul base applications
- Heat and impact resistant, UV protected, non-yellowing polycarbonate lens/reflector
- Built-in 2.5kV surge protection
- No warm-up time, instant on with full light output and stable color
- Rated for open and enclosed fixtures
- Suitable for indoor and outdoor applications
- ETL listed for damp locations
- Metal tether for added safety on 50W, 80W and 150W units

<sup>1</sup> Based on 12 hours/day

## Wattage Comparison

Traditional Source	Traditional Lamp Wattage	LED Lamp Wattage	Energy Savings	Energy Savings per Lifetime*
HID Metal Halide	50W	15W	70%	\$135
HID Metal Halide	100W	50W	50%	\$193
HID Metal Halide	175W	80W	55%	\$366
HID Metal Halide	320W	150W	53%	\$655

\*Energy savings over life of lamp calculated at \$0.11/kWh

## Specifications and Certifications



Catalog #	Type
Project	
Comments	
Prepared by	

**Specifications**

**Energy Data**

**Minimum Starting Temp:** -40°F (-40°C)  
**EMI/RFI:** FCC Title 47 CFR, Part 15, Class A  
**Input Voltage:** 120-277V  
**Power Factor:** >0.90

**Input Frequency:** 60Hz  
**THD:** <30%  
**Input Power:** 15W, 50W, 80W, 150W  
**Maximum Ambient Operating Temperature:** 113°F (45°C)

**Lighting Data**

**Lumen Output:** 1500, 5000, 8000 and 15,000  
**Lumens per Watt:** 100

**Color**

**Correlated Color Temperature (CCT):** 4000K, 5000K  
**Color Rendering Index (CRI):** 80+  
**Product Weight:**  
**15W:** 0.5 lbs. (0.2kg)  
**50W:** 1.2 lbs. (0.6kg)  
**80W:** 2.4 lbs. (1.1kg)  
**150W:** 3.4 lbs. (1.5kg)

**Ordering Information**

Item Number	Ordering Abbreviation	Wattage	Base Type	Replaces	Input Voltage (V)	Average Rated Life L <sub>70</sub> (hrs)*	CCT	Case Qty	Typical Lumens (lm)	CRI
74723	LED/HIDR/1500/840/CONTRACTOR	15W	E26 Medium	50W HID	120-277	35,000	4000K	4	1,500	80+
74727	LED/HIDR/5000/840/CONTRACTOR	50W	E26 Medium	100W HID	120-277	35,000	4000K	4	5,000	80+
74726	LED/HIDR/5000/850/CONTRACTOR	50W	E26 Medium	100W HID	120-277	35,000	5000K	4	5,000	80+
74748	LED/HIDR/8000/840/CONTRACTOR	80W	EX39 Mogul	175W HID	120-277	35,000	4000K	4	8,000	80+
74750	LED/HIDR/15000/840/CONTRACTOR	150W	EX39 Mogul	320W HID	120-277	35,000	4000K	4	15,000	80+
74751	LED/HIDR/15000/850/CONTRACTOR	150W	EX39 Mogul	320W HID	120-277	35,000	5000K	4	15,000	80+
75055	LED/ADAPTOR/MOGULBASE									

\*LED lamp life is defined as the number of hours when 50% of an average group of identical lamps reached 70% of its initial lumens.

**Ordering Guide**

LED	HIDR	1500	8	40	CONTRACTOR
LED	Product Name HID Replacement	Light Output 1500lm, 5000lm, 8000lm, 15000lm	CRI >80	Color Temperature 4000K, 5000K	Contractor Series

**Lamp Dimensions**

	(A) MOL (inches)	(B) Diameter (inches)
15W High Lumen	5.9	2.4
50W High Lumen	10.2	3.6
80W High Lumen	8.6	5.6
150W High Lumen	11.5	5.6

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