

# Definity™ PAR20 LED Lamp



Patented design houses an integrated LED system for optimum lifetime performance. Excellent optics create a uniform beam, delivering lumen output comparable to conventional sources. Free of harmful UV and IR emissions. Available in 25° and 40° beam distribution, in various color temperatures with good color quality.

## Benefits

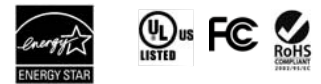
- Reduced energy consumption and operating costs by up to 80%.
- Maintenance free operation - lasts up to 25 times longer than conventional lighting.
- Cool beam-No UV or IR, reduces air conditioning loads.
- Unique design with anodized silver housing for cooler operation and extended lamp life.
- Environmentally friendly – fully recyclable, no mercury or other hazardous materials.
- Dimmable\*\*\*
- Tested to LM-79-08



## Features

Equivalent Source	55W Halogen
L70 lumen depreciation design criteria =	50,000 hours
Early Submission ENERGY STAR Life =	25,000 hours**
Housing	Anodized
Socket	E26 Edison base
Beam Spread	
Narrow Flood, Flood	25°, 40°
Operating Temp	-20° C to +40° C
MOL	3.46", 88mm
Voltage	120 or 230 VAC
Weight	0.33lbs, 0.15kg
Power Factor	≥90
Warranty	5 year limited
Standards	UL1993, E320663-Pending

## Certification



## Environment



\*\*For directional lamps, Energy Star early submission dictates that manufacturers can only claim 25,000 hour life with 3000 hour actual life test data, 6,000 hour LM80 data and in-situ temperature measurements. Once a product has been fully qualified, manufacturers may increase the lifetime of a product by demonstrating full compliance with the ENERGY STAR criteria at the new lifetime with Lumen Maintenance at the minimum required test period.

\*\*\*See dimmer compatibility chart page 2.  
NOTE: All performance and testing done at 25° C.  
U.S. patent pending  
Currently, ENERGY STAR is available in PAR 20 warm white flood and narrow flood.

PAR38 SP003  
November 2010

Specifications	20 NW NFL 120	20 NW FL 120	20 W27 NFL 120	20 W27 FL 120	20 WW NFL 120	20 WW FL 120
Lamp Wattage	50W	55W	45W	45W	45W	50W
Color Rendering Index (CRI)	88	88	86	86	86	87
Lumen Output	350	350	325	310	320	330
Efficacy	44 (lm/w)	44 (lm/w)	41 (lm/w)	39 (lm/w)	40 (lm/w)	41 (lm/w)
Color Temperature	4000K	4000K	2700K	2700K	3000K	3000K
Power Consumption	8W	8W	8W	8W	8W	8W
CBCP	1238	714	1043	570	1057	650

LSG013

