

Definity™ PAR38 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 15°, 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***
- 120 VAC voltage
- Tested to LM-79-08



Features

Equivalent Source	Up to 90W 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	
Spot, Narrow Flood, Flood	15°, 25°, 40°
Center Beam	1700-6900
Operating Temperature	-40 °C to +40 °C
Color Temperature	2700K, 3000K, 4000K, 5000K
Power Consumption	18
MOL	5.08", 129mm
Voltage	120 or 230 VAC
Weight	1.54lbs., 0.70kg
Power Factor	≥.77
Warranty	5 year limited
Standards	UL1993, File: E320663
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 PAR38 neutral white spot and flood and warm white spot and narrow flood.

PAR38 SP003
November 2010

Specifications	38 NW SP 120	38 NW FL 120	38 NW NFL 120	38 W27 SP 120	38 W27 FL 120	38 W27 NFL 120	38 WW SP 120	38 WW FL 120	38 WW NFL 120
Lamp Wattage	75W	90W	90W	65W	90W	85W	70W	75W	75W
Color Rendering Index (CRI)	86	86	86	86	85	85	85	85	85
Lumen Output	950	950	950	850	850	850	850	850	850
Efficacy	53 (lm/w)	53 (lm/w)	53 (lm/w)	47 (lm/w)	47 (lm/w)	47 (lm/w)	47 (lm/w)	47 (lm/w)	47 (lm/w)
CBCP	6977	1766	4099	6055	1568	3493	6194	1658	3574

LSG002



Definity™ PAR38 LED Lamp

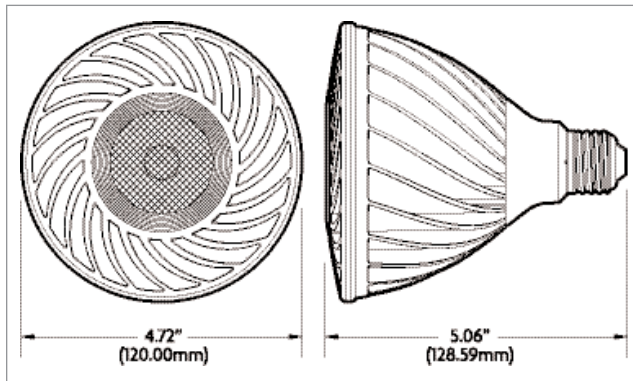
Ordering Information

DFN 38 CW FL 120

Product	Color Temperature	Optical Distribution	Voltage
DFN 38 Definity Par 38	CW Cool White	FL Flood	120 VAC
	NW Neutral White	NFL Narrow Flood	230 VAC
	W27 Warm White 2700K	SP Spot	
	WW Warm White		

Dimmer Compatibility

Make	Model
Ace	34050, 3027596
Leviton	6633-PL, 6684, 6631, IPI06-1LX
Lutron	S-600PR-WH, DV-600PR-WH, TG-600PR-WH, AY600P, Q600P, GL600, CN-600PHW, DV-603PG, S-600, S-600P, LG-600P, D-600PH, TT-300NLH, TG-603PG, HW-RPM-4A, PHPM-PA, DV-600, DVLV-600, NLV-600, NTLV-600
Legrand	DrRD4W



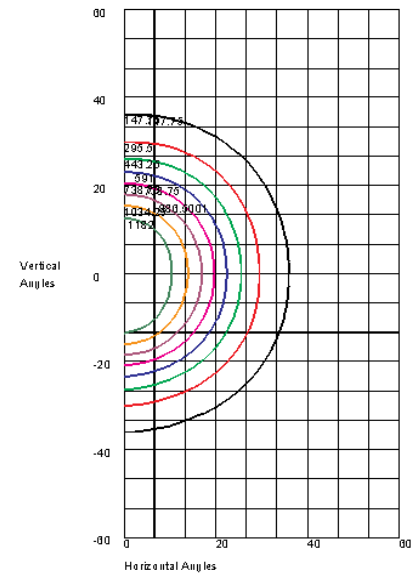
Dimensions shown in inches (mm)

Cautions

- Turn power off before inspection, installation, or removal.
- Risk of Electric Shock – Do not use where directly exposed to water or weather.
- For use in completely enclosed fixtures.
- Suitable for Damp Locations – The lamp is suitable for use in wet locations when used in an outdoor rated fixture.
- Do not open – no user serviceable parts inside.
- Use only on 120 VAC voltage.
- This device is not intended for use with emergency exit fixtures or emergency exit lights.
- Added weight of the device may cause instability of a free-standing portable Luminaire.
- Use only with a portable table lamp that is provided with a shade.
- Use in portable table lamps in which the distance from the bottom of the base to the top of the Lampholder does not exceed three (3) times the minimum base diameter.
- "This device complies with Part 15 of the FCC rules and has been tested and found to comply with the limits for a Class B digital device. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. Any changes or modifications not expressly approved by the manufacturer could void the user's authority to operate the equipment."

IES FLOOD REPORT
PHOTOMETRIC FILENAME : 300 13877-2 DFN-38-WW-FL SPIRAL.IES

ISOCANDELA CURVES



Maximum Candela = 1477.75 Located At Horizontal Angle = -3, Vertical Angle = -1
50% Maximum Candela = 738.75
10% Maximum Candela = 147.75

Warm White Illustrated

Lighting Science Group

lighting facts^{CM}

A Program of the U.S. DOE

Light Output (Lumens)	850
Watts	18
Lumens per Watt (Efficacy)	47
Color Accuracy	
Color Rendering Index (CRI)	
85	
Light Color	
Correlated Color Temperature (CCT)	
3000 (Bright White)	
Warm White	Bright White
2700K	3000K
4500K	6500K

All results are according to IESNA LM-79-2008: Approved Method for the Electrical and Photometric Testing of Solid-State Lighting. The U.S. Department of Energy (DOE) verifies product test data and results.

Visit www.lightingfacts.com for the Label Reference Guide.

Registration Number: R31N-AKATXR
Model Number: DFN 38 WW SP 120
Type: Replacement lamps

LSG002