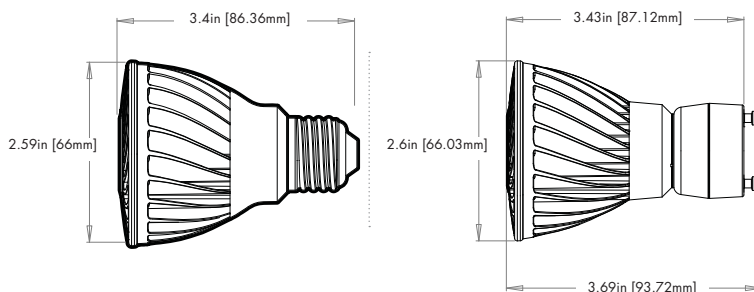


## DEFINITY™

## PAR20 & PAR20 Hi-Output

### BENEFITS

- Dimmable to 5% of light on most dimmers<sup>1</sup>
- Optional 40° and 25° beam spreads.
- 8 watts – 84% more efficient than comparable 50 watt Halogen lamps.
- Maintenance free operation, lasts up to 16 times longer than conventional lighting.
- 50,000 hour rated design life.
- Centralized optical package provides high quality point source beam versus pixilated designs.
- RoHS compliant – contains no mercury or lead.



E26 BASE

GU24 BASE

Specifications supplied are nominal. Please refer to the DOE's Lighting Facts Tolerance Guidelines.

<sup>1</sup> Values are nominal, advances from further innovation, specifications are subject to change.

<sup>2</sup> See dimmer compatibility chart page on next page.

<sup>3</sup> 230V available in non high output version only and utilizes E27 base.

<sup>4</sup> Not available or rated for 230V

### FEATURES<sup>1</sup>

Equivalent Source Standard	Up to 50W Halogen
L70 lumen depreciation design criteria	50,000 hours
Housing	Aluminum
Socket	E26/GU24
Beam Spread	40°, 25°
Flood, Narrow Flood	
Operating Temperature	-20°C to +40°C
E26 MOL	3.4 in, 86mm
GU24 MOL <sup>5</sup>	3.69 in 93.72mm
Voltage	120VAC & 230VAC <sup>4</sup>
Weight	.33lbs., 150g
Power Factor	120: ≥.90 230: ≥.70
Warranty	5 year limited

### ORDERING INFORMATION \ \ DFN 20 WW FL 120

Family	Product	Color (CCT)	Light Output	Distribution	Voltage	Base <sup>4</sup>
DFN Definity	20 PAR20	W27 Warm White 2700K	(leave blank for standard)	FL Flood	120 120 Volt	(leave blank for E26 base)
		WW Warm White 3000K	V2 High Output	NFL Narrow Flood	230 230 Volt <sup>3</sup>	GU24 GU24
		NW Neutral White 4000K				
		CW Cool White 5000K				
NORTH AMERICAN CERTIFICATIONS RoHS COMPLIANT UL LISTED FCC DAMP		ENVIRONMENT				
		PAR20 & PAR20 HI-OUTPUT DIAMETER & MOL				
		E26 MOL: 3.4in, 86mm		GU24 MOL: 3.69in, 93.72mm		
		E26 Diameter: 2.59in, 66mm		GU24 Diameter: 2.6in, 66.03mm		



## DIMMER CAPABILITIES

### PAR20 & PAR20 Hi-Output

**LUTRON DIMMERS:** ADRIANI AY600, DVWCL-153P; Commercial Systems QSG-6P, LP-RPM-4A-12; Diva DV-600, DVCL-153P; Homeworks HW-RPM-4A-120, HxD-6ND; Interfaces PHPM-WBX; Radio Ra RRD-10ND; Stanza SZ-6ND; Lutron CTCL-153P, TGCL-153P, AYCL-153P, LGCL-153P, SZ-6ND, HxD-6ND, S-600PR, DV-600PR, TG-600PR, AY600P, GL600, DV-603PG, S-600, S-600P, LG-600P, D-600PH, TT-CL100H, TG-603PG, DV-600PR **OTHER DIMMERS:** Ace 34050, 3027596 Leviton 6633-PL, 6684, 6631, IPI06-1LX Legrand DrRD4W

### Recommended number of lamps per 600 watt dimmer<sup>2</sup>

While an LED lamp may draw as few as 10 watts continuously, it could have an in-rush current spike (maximum, instantaneous input) which may limit the number of lamps you can install on one dimmer. The following table provides a recommended maximum quantity of DEFINITY lamps that should be used on a typical approved 600W dimmer.

Ex: Max number of A19 60W lamps, with an 80W in-rush, that can be used on 600W dimmer = 7

DFN LED Lamp	Lamp In-Rush Current Equivalent	Max # of Lamps per 600W Dimmer
PAR20	80W	7
PAR20 HO	80W	7

## PAR20

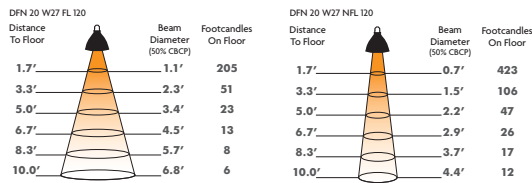
Part Number	Base Type	Wattage	Beam Angle <sup>1</sup>	Lumens	Voltage	Efficacy	CRI	CBCP
DFN 20 NW FL 120	E26/GU24	8W	40	375	120	47	85	714
DFN 20 WW FL 120	E26/GU24	8W	40	350	120	44	85	650
DFN 20 W27 FL 120	E26/GU24	8W	40	325	120	41	85	570
DFN 20 CW FL 120	E26/GU24	8W	40	420	120	53	67	1036
DFN 20 NW NFL 120	E26/GU24	8W	25	365	120	46	85	1238
DFN 20 WW NFL 120	E26/GU24	8W	25	350	120	44	85	1120
DFN 20 W27 NFL 120	E26/GU24	8W	25	310	120	39	85	1175
DFN 20 CW NFL 120	E26/GU24	8W	25	420	120	53	67	1797

## PAR20 Hi-Output

Part Number	Base Type	Wattage	Beam Angle <sup>1</sup>	Lumens	Voltage	Efficacy	CRI	CBCP
DFN 20 NW V2 FL 120	E26/GU24	8W	40	450	120	56	85	900
DFN 20 WW V2 FL 120	E26/GU24	8W	40	380	120	48	85	860
DFN 20 W27 V2 FL 120	E26/GU24	8W	40	370	120	46	85	840
DFN 20 CW V2 FL 120	E26/GU24	8W	40	480	120	60	85	950
DFN 20 NW V2 NFL 120	E26/GU24	8W	25	450	120	56	85	1450
DFN 20 WW V2 NFL 120	E26/GU24	8W	25	415	120	52	85	1400
DFN 20 W27 V2 NFL 120	E26/GU24	8W	25	415	120	52	85	1350
DFN 20 CW V2 NFL 120	E26/GU24	8W	25	480	120	60	85	1550

**NFL:** Narrow Flood **FL:** Flood **NW:** Neutral White **WW:** Warm White **W27:** Warm White 2700K  
**CW:** Cool White **CBCP:** Center Beam Candle Power

### 0° AIMING FOOTCANDLES



Visit [www.lsgc.com/energystar](http://www.lsgc.com/energystar) for list of ENERGY STAR qualified lamps.



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<sup>1</sup> Values are nominal, advances from further innovation, specifications are subject to change.

<sup>2</sup> Dimmer compatibility list indicates those dimmers that have been tested and operate properly under normal conditions. In certain cases, approved dimmers are offered in higher wattage varieties that are also compliant and allow the installation of additional lamps if kept within the maximum inrush current equivalent provided in the table. Each application is unique and various factors such as load, common neutrals or other electrical products on the circuit can, in certain instances, cause variance in system performance. Consult dimming system manufacturer for additional support in operation.

## 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 recessed fixtures.
- Suitable for damp locations.
- Do not open – no user serviceable parts inside.
- North America use on 120VAC, 50 - 60 Hz circuits.
- 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.
- 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.