



DEFINITY™

PAR30 & PAR30 Hi-Output

BENEFITS

- Dimmable to 5% of light on most dimmers.¹
- Optional 40°, 25° and 15° beam spreads.
- Suitable for wet locations.
- 15/18 watts – 80% more efficient than comparable 75/90 watt Halogen lamp.
- Maintenance free operation, lasts up to 16 times longer than conventional lighting.
- 50,000 hour rated design life.
- Superior thermal management allows for usage in recessed luminaires.
- Centralized optical package provides high quality point source beam versus pixilated designs.
- RoHS compliant – contains no mercury or lead.

FEATURES¹

Equivalent Source

Standard	Up to 75W Halogen
High Output	Up to 90W Halogen

L70 lumen depreciation design criteria	50,000 hours
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Housing	Aluminum
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Socket	E26/GU24
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Beam Spread	40°, 25°, 15°
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Flood, Narrow Flood, Spot

Operating Temperature	-20°C to +40°C
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E26 MOL	4.56 in, 115.847mm
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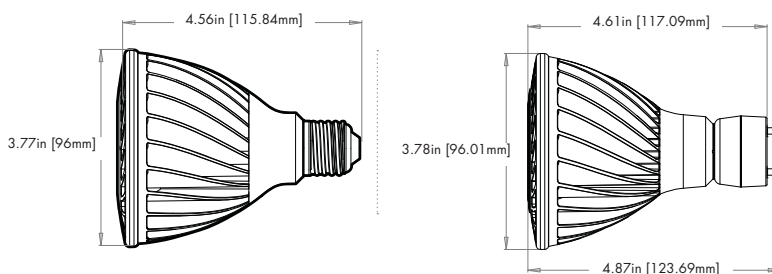
GU24 MOL ⁴	4.87 in, 123.69mm
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Voltage	120VAC & 230VAC ³
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Weight	.099lbs., 450g
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Power Factor	≥.70
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Warranty	5 year limited
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E26 BASE

GU24 BASE

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

¹ Values are nominal, advances from further innovation, specifications are subject to change.

² See dimmer compatibility chart page on next page.

³ 230V available in non high output version only and utilizes E27 base.

⁴ Not available or rated for 230V

ORDERING INFORMATION \ \ DFN 30 WW FL 120

Family	Product	Color (CCT)	Light Output	Distribution	Voltage	Base
DFN Definity	30 PAR30	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 ³	GU2 ⁴ GU24
		NW Neutral White 4000K		SP Spot		
		CW Cool White 5000K				

NORTH AMERICAN CERTIFICATIONS



ENVIRONMENT



PAR30 & PAR30 HI-OUTPUT DIAMETER & MOL

E26 MOL: 4.56in, 115.84mm	GU24 MOL: 4.87in, 123.69mm
E26 Diameter: 3.77in, 96mm	GU24 Diameter: 3.78in, 96.01mm



PAR30

DIMMER CAPABILITIES

PAR30

LUTRON DIMMERS: ADRIANI AY-600; Commercial Systems QSG-6P, LP-RPM-4A-120, QSG-6D, HW/LP-RPM-4U-120; Diva DV-600, DVLV-600; Homeworks HxD-6ND, HW-RPM-4U-120; Interfaces PHPM-WBX w/DVF-103P, PHPM-PA w/QSG-6D; Lutron HW-RPM-4U-120, LP-RPM-4A-120, S-600PR, DV-600PR, NLV-600, TG-600PR, AY600P, Q600P, GL600, DV-603PG, S-600, S-600P, LG-600P, D-600PH, TG-603PG, DV-600PR, MAELV-600 NOVA NLV-600 Panel Module GP (Harrier) card w/GRX-3503 Stanza SZ-6ND **OTHER DIMMERS:** Ace 34050, 302759P Leviton 6633-PL, 6684, 6631, IPI06-1LX Legrand DrRD4W

PAR30 Hi-Output

LUTRON DIMMERS: Interfaces PHPM-WBX w/DVF-103P; Lutron DV-603PG, S-600, S-600P, D-600PH, TG-603PG, DV-600PR- **WH OTHER DIMMERS:** Leviton 6684

Recommended number of lamps per 600 watt dimmer²

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
PAR30	115W	5
PAR30 HO	125W	4

PAR30 ★

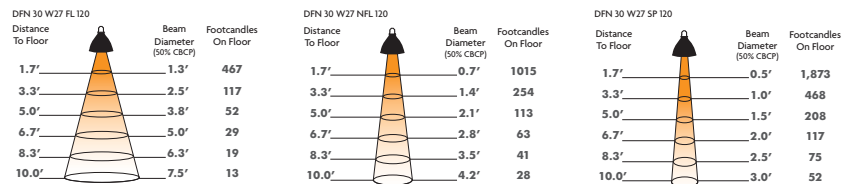
Part Number	Base Type	Wattage	Beam Angle ¹	Lumens	Voltage	Efficacy	CRI	CBCP
DFN 30 NW FL 120	E26/GU24	15W	40	770	120	51	85	1476
DFN 30 WW FL 120	E26/GU24	15W	40	720	120	48	85	1398
DFN 30 W27 FL 120	E26/GU24	15W	40	700	120	47	85	1297
DFN 30 CW FL 120	E26/GU24	15W	40	943	120	63	67	1950
DFN 30 NW NFL 120	E26/GU24	15W	25	800	120	53	85	3216
DFN 30 WW NFL 120	E26/GU24	15W	25	725	120	48	85	3288
DFN 30 W27 NFL 120	E26/GU24	15W	25	700	120	47	85	2821
DFN 30 CW NFL 120	E26/GU24	15W	25	943	120	63	67	4000
DFN 30 NW SP 120	E26/GU24	15W	15	800	120	53	85	6114
DFN 30 WW SP 120	E26/GU24	15W	15	725	120	48	85	4101
DFN 30 W27 SP 120	E26/GU24	15W	15	710	120	47	85	5203
DFN 30 CW SP 120	E26/GU24	15W	15	943	120	63	67	7600

PAR30 Hi-Output ★

Part Number	Base Type	Wattage	Beam Angle ¹	Lumens	Voltage	Efficacy	CRI	CBCP
DFN 30 NW V2 FL 120	E26/GU24	18W	40	1000	120	56	85	1800
DFN 30 WW V2 FL 120	E26/GU24	18W	40	950	120	53	85	1700
DFN 30 W27 V2 FL 120	E26/GU24	18W	40	920	120	51	85	1600
DFN 30 CW V2 FL 120	E26/GU24	18W	40	1060	120	59	67	1950
DFN 30 NW V2 NFL 120	E26/GU24	18W	25	1000	120	56	85	3700
DFN 30 WW V2 NFL 120	E26/GU24	18W	25	950	120	53	85	3500
DFN 30 W27 V2 NFL 120	E26/GU24	18W	25	920	120	51	85	3450
DFN 30 CW V2 NFL 120	E26/GU24	18W	25	1060	120	59	67	4000
DFN 30 NW V2 SP 120	E26/GU24	18W	15	1000	120	56	85	7100
DFN 30 WW V2 SP 120	E26/GU24	18W	15	950	120	53	85	6800
DFN 30 W27 V2 SP 120	E26/GU24	18W	15	920	120	51	85	6600
DFN 30 CW V2 SP 120	E26/GU24	18W	15	1060	120	59	67	7600

NFL: Narrow Flood **FL:** Flood **SP:** Spot **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 for list of ENERGY STAR qualified lamps.



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 wet 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.

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

¹ Values are nominal, advances from further innovation, specifications are subject to change.

² 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.



SCD-00010 DFN PAR30_REV A

Specifications are typical values and may change without notification.
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