LightingScience®
Welcome to the Light Ages™

Prepared By	Catalog #	
Project	Comments	Date

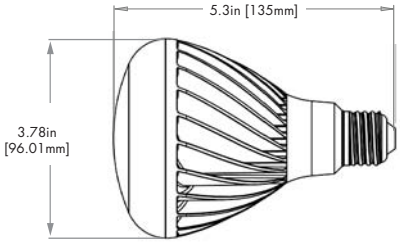
DEFINITY™ GP30

BENEFITS

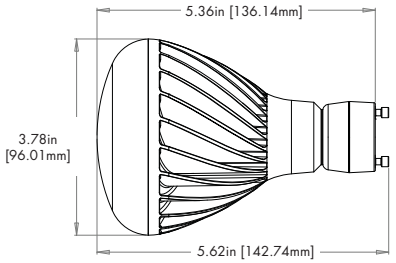
- Dimmable to 5% of light on most dimmers.[2]
- 14 watts – 80% more efficient than comparable incandescent lamps.
- Maintenance free operation, lasts up to 25 times longer than conventional lighting.
- Optical design achieves smooth beam pattern to achieve a warm room filling glow for general illumination applications.
- RoHS compliant – contains no mercury or lead.

FEATURES[1]

Equivalent Source Standard	Up to 65-75W Incandescent BR
L70 lumen depreciation design criteria	50,000 hours
Early Submission ENERGY STAR Life[3]	25,000 hours
Housing	Aluminum
Socket	E26/GU24
Operating Temperature	-20°C to +40°C
E26 MOL	5.3in, 135mm
GU24 MOL	5.62in, 142.74mm
Voltage	120 VAC
Weight	13.8 oz, .39 kg
Power Factor	≥.70
Warranty	5 year limited



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] Early Submission ENERGY STAR Life = 25,000 hours (L70 lumen depreciation design criteria = 50,000 hours.) 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. Refer to Energy Star website.

NAFTA COMPLIANT
This product qualifies as an originating good under the terms of NAFTA.

ORDERING INFORMATION \\ DFN BR30 WW 120

Family	Product	Color (CCT)	Voltage	Base
DFN Definity	**BR30** BR30	**W27** Warm White 2700K	**120** 120 Volt	(leave blank for E26 base)
		WW Warm White 3000K		**GU24** GU24
		NW Neutral White 4000K		
		CW Cool White 5000K		

NORTH AMERICAN CERTIFICATIONS

RoHS COMPLIANT 2002/95/EC · c UL us LISTED · FC

ENVIRONMENT

DAMP

BR30 DIAMETER & MOL

E26 MOL: 5.3in, 135mm	E26 Diameter: 3.78in, 96.01mm
GU24 MOL: 5.62in, 142.74mm	GU24 Diameter: 3.78in, 96.01mm

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Specifications are typical values and may change without notification.

GP30

DIMMER CAPABILITIES

LUTRON DIMMERS: ADRIANI AY-600; Interfaces PHPM-WBX w/DVF-103P; Panel Module Grafik Eye; Radio Ra RRD-6NA; Lutron HW-RPM-4U-120, QSG-6P, LP-RPM-4U-120, S-600PR, DV-600PR-WH, DV-600, DVLV-600, NLV-600, TG-600PR, AY600P, GL600, DV-603PG, S-600, S-600P, LG-600P, D-600PH, TT-300NLH, TG-603PG, DV-600PR, MAELV-600 OTHER DIMMERS: Ace 34050, 3027596 Leviton 6633-PL, 6684, 6631, IPI06-1LX Legrand DrRD4W

GP30

Part Number	Base Type	Wattage	Lumens	Voltage	Efficacy	CRI
DFN BR30 NW 120	E26/GU24	14W	844	120	60	80
DFN BR30 WW 120	E26/GU24	14W	815	120	58	80
DFN BR30 W27 120	E26/GU24	14W	800	120	57	80
DFN BR30 CW 120	E26/GU24	14W	895	120	64	67

NW: Neutral White **WW:** Warm White **W27:** Warm White 2700K **CW:** Cool White

Recommended number of lamps per 600 watt dimmer[1]

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
GP30	75W	8

Visit www.lsgc.com/energystar for list of ENERGY STAR qualified lamps.

ENERGY STAR PARTNER

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[1] 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 use in indoor-dry and damp locations only.
- 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.

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