# DEFINITY™

Infinitely Brilliant

High Performance
LED Lighting

LightingScience®

Welcome to the Light Ages™

# Bridging Science with the Architecture of Light

Perhaps no product in the industry better demonstrates "Lighting Science" than the DEFINITY™ LED lamp line. Boasting one of the broadest arrays of ENERGY STAR qualified LED lamps in the industry, the ability to optimize LED performance while never losing sight of providing superior lighting effects is the hallmark of DEFINITY™.

# DEFINITY™ Performance

The performance breakthroughs achieved with the DEFINITY™ Lamp line are a direct result of an LED system design approach encompassing efficient power supplies, unique thermal solutions, top-tier LED technology, leading edge optical control solutions and rigid binning techniques that result in visually pleasing light sources that seamlessly transition into retrofit applications.

WHY CHOOSE DEFINITY™?

- ENERGY STAR qualified lamps available throughout line to meet utility rebate requirements
- High CBCP performance with a wide selection of beam patterns
- High efficacy – up to 71 lumens per watt
- Various beam spreads – 10-40 degrees
- Longer life than traditional lamps
- Dimmable (as noted) – down to as low as 5% and compatible with a wide array of dimmers
- Instant-on with no warm up, unlike CFL
- High color saturation with CRI's up to 85
- Extensive range of color temperatures – 2700K - 5000K
- Incandescent equivalents up to 120W
- High efficiency with input power of 6-24W
- 3-5 year limited warranty
- RoHS compliant-contains no mercury or lead
- In most instances, payback in less than a year

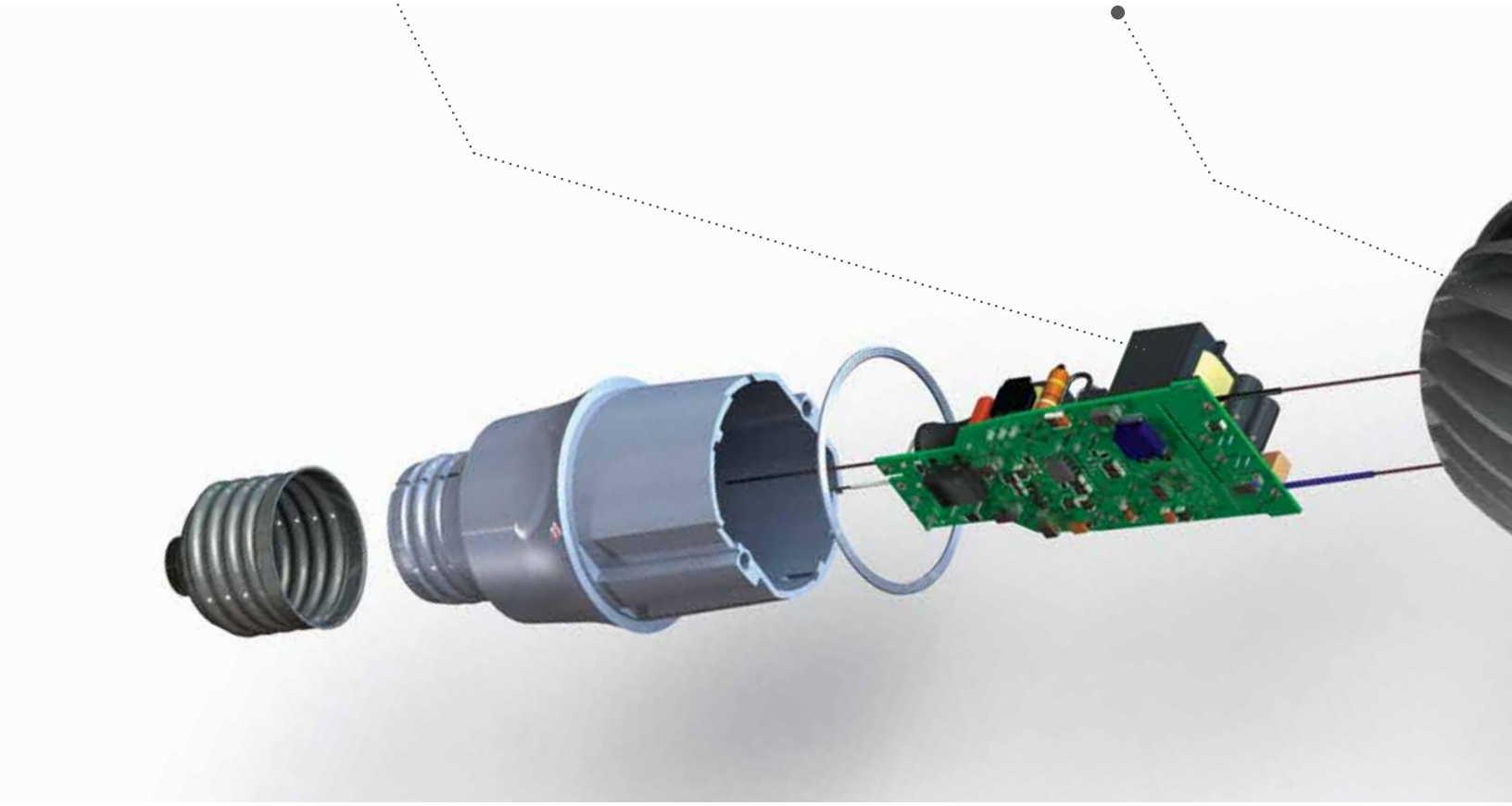
# The DEFINITY™ Advantage

## Full Line Dimmability[1]

World class driver designs provide real time monitoring and adaptability to individual dimmers to ensure high efficiency, flicker free performance down to 5% of rated light output.

## Optimized Thermal Management

The DEFINITY™ high efficiency spiral heat-sink design increases surface area and coupled with unique alloys maximizes LED life and improves efficacy. Unlike many LED lamps on the market today, this solution allows Lighting Science to rate many of our LED lamps for enclosed luminaire applications.



## Environmentally Friendly

Unlike CFL's, DEFINITY™ LED lamps contain no mercury or lead and are RoHS compliant. A true green solution from a true green company.

## Superior Lighting Quality

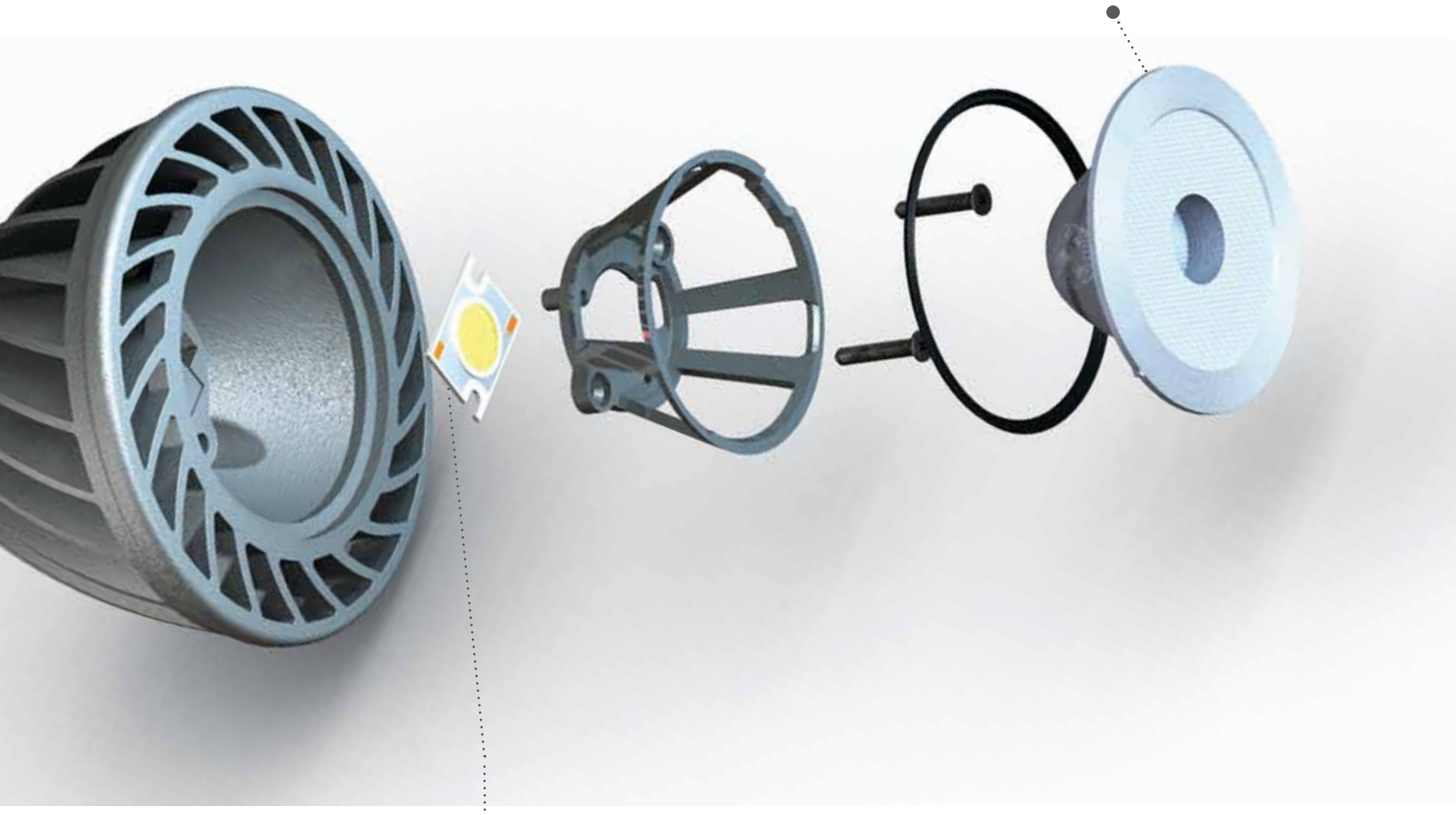
Featuring CRI's up to 85 in 2700-5000 CCT's, DEFINITY™ lamps provide high color saturation to beautifully highlight and render the environments they illuminate. Unlike other sources, DEFINITY™ lamps won't cause discoloration or fading of the objects they illuminate.

## Sized to Fit

All DEFINITY™ lamps have been sized within ANSI form factors to seamlessly replace their counterparts in retrofit applications. Simply remove, install, save and enjoy.

## Smooth Beam Optical Control

The DEFINITY™ smooth, uniform light distribution originates from LED mixing and design strategies. When combined with high performance optics, they replicate visible incandescent point sources without the pixilation look of many inferior LED lamp designs.



## Color Consistency

DEFINITY™ lamps leverage design and LED binning strategies that result in color consistency that is approximately four times better than allowable ANSI standards to assure high quality color performance without variability in application.

## NAFTA Compliant

DEFINITY™ lamps are fully NAFTA compliant making them eligible for most ARRA projects. Consult specific project requirements as eligibility requirements may vary.

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

## ENERGY STAR Compliance

Most utility rebate programs only allow ENERGY STAR qualified lamps to participate in their programs. Lighting Science Group's leadership in lamp design has quickly allowed us to develop one of the industry's largest collection of ENERGY STAR qualified lamps.

[1]Consult page 25 for a list of tested compatible dimmers.

# DEFINITY™ PAR38 & PAR38 Hi-Output

## FEATURES

- Dimmable to 5% of light on most dimmers.[1]
- Optional 40°, 25° and 15° beam spreads.
- Suitable for wet locations.
- 18/24 watts – 80% more efficient than comparable 90/120 watt Halogen lamps.
- Maintenance free operation, lasts up to 16 times longer than conventional lighting.
- Centralized optical package provides high quality point source beam versus pixilated designs.
- RoHS compliant – contains no mercury or lead.

## ANNUAL OVERALL SAVINGS[2]

| Standard Halogen | PAR38 |
|---|---|
| Maintenance Cost $15 | Annual Savings[2] $39 |
| Electricity Cost $30 | Electricity Cost $6 |

**PAR38 Lifetime Savings: $677**

**Standard Halogen**

Wattage
90W

Lifetime
3,000 hrs

Up to **80%** energy savings

**PAR38**

Wattage
18W

Lifetime
Up to 50,000 hrs

## PAR38

| Part Number | Wattage | Beam Angle | Lumens | CRI | CBCP |
|---|---|---|---|---|---|
| DFN 38 NW FL 120 | 18W | 40 | 890 | 85 | 1766 |
| DFN 38 WW FL 120 | 18W | 40 | 850 | 85 | 1658 |
| DFN 38 W27 FL 120 | 18W | 40 | 840 | 85 | 1573 |
| DFN 38 CW FL 120 | 18W | 40 | 1290 | 67 | 2030 |
| DFN 38 NW NFL 120 | 18W | 25 | 950 | 85 | 4099 |
| DFN 38 WW NFL 120 | 18W | 25 | 850 | 85 | 3574 |
| DFN 38 W27 NFL 120 | 18W | 25 | 840 | 85 | 3493 |
| DFN 38 CW NFL 120 | 18W | 25 | 1290 | 67 | 4711 |
| DFN 38 NW SP 120 | 18W | 15 | 950 | 85 | 6977 |
| DFN 38 WW SP 120 | 18W | 15 | 850 | 85 | 6194 |
| DFN 38 W27 SP 120 | 18W | 15 | 840 | 85 | 6054 |
| DFN 38 CW SP 120 | 18W | 15 | 1290 | 67 | 8019 |

## PAR38 Hi-Output

| Part Number | Wattage | Beam Angle | Lumens | CRI | CBCP |
|---|---|---|---|---|---|
| DFN 38 NW V2 FL 120 | 24W | 40 | 1375 | 85 | 2500 |
| DFN 38 WW V2 FL 120 | 24W | 40 | 1300 | 85 | 2400 |
| DFN 38 W27 V2 FL 120 | 24W | 40 | 1250 | 85 | 2250 |
| DFN 38 CW V2 FL 120 | 24W | 40 | 1460 | 85 | 2700 |
| DFN 38 NW V2 NFL 120 | 24W | 25 | 1375 | 85 | 5500 |
| DFN 38 WW V2 NFL 120 | 24W | 25 | 1300 | 85 | 5200 |
| DFN 38 W27 V2 NFL 120 | 24W | 25 | 1250 | 85 | 5000 |
| DFN 38 CW V2 NFL 120 | 24W | 25 | 1460 | 85 | 5900 |
| DFN 38 NW V2 SP 120 | 24W | 15 | 1375 | 85 | 9400 |
| DFN 38 WW V2 SP 120 | 24W | 15 | 1300 | 85 | 8900 |
| DFN 38 W27 V2 SP 120 | 24W | 15 | 1250 | 85 | 8500 |
| DFN 38 CW V2 SP 120 | 24W | 15 | 1460 | 85 | 10000 |

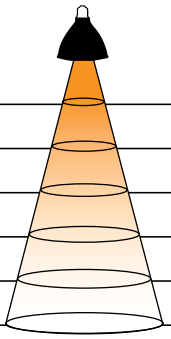
FL: Flood NFL: Narrow Flood SP: Spot NW: Neutral White WW: Warm White W27: Warm White 2700K
CW: Cool White CBCP: Center Beam Candle Power

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

ENERGY STAR PARTNER

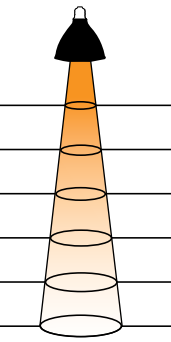
## 0° AIMING FOOTCANDLES

DFN 38 NW FL 120



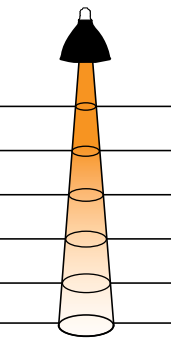
| Distance To Floor | Beam Diameter (50% CBCP) | Footcandles On Floor |
|---|---|---|
| 1.7′ | 1.2′ | 636 |
| 3.3′ | 2.5′ | 159 |
| 5.0′ | 3.7′ | 71 |
| 6.7′ | 5.0′ | 40 |
| 8.3′ | 6.2′ | 25 |
| 10.0′ | 7.5′ | 18 |

DFN 38 W27 NFL 120



| Distance To Floor | Beam Diameter (50% CBCP) | Footcandles On Floor |
|---|---|---|
| 1.7′ | 0.7′ | 1,258 |
| 3.3′ | 1.4′ | 314 |
| 5.0′ | 2.2′ | 140 |
| 6.7′ | 2.9′ | 79 |
| 8.3′ | 3.6′ | 50 |
| 10.0′ | 4.3′ | 35 |

DFN 38 NW SP 120



| Distance To Floor | Beam Diameter (50% CBCP) | Footcandles On Floor |
|---|---|---|
| 1.7′ | 0.5′ | 2,512 |
| 3.3′ | 1.0′ | 628 |
| 5.0′ | 1.5′ | 279 |
| 6.7′ | 2.1′ | 157 |
| 8.3′ | 2.6′ | 100 |
| 10.0′ | 3.1′ | 70 |

Specifications supplied are nominal. Please refer to the DOE's Lighting Facts Tolerance Guidelines. As a part of a continuous improvement program, specifications can be subject to change and are updated regularly at www.lsgc.com.
[1] See dimmer compatibility chart page 29.
[2] Savings based on 8hrs/day annual hours of operation, $0.114 average cost per KWH. $40/hr. cost of labor and 15 minutes maintenance time to change lamp.
[3] 230V utilizes E27 base and not available in HO configurations.
[4] Not available or rated for 230V

## ORDERING INFORMATION \\ DFN 38 WW FL 120 \ DFN 38 WW V2 FL 120

| Family | Product | Color (CCT) | | Light Output | | Distribution | | Voltage | | Base | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| DFN Definity | 38 PAR38 | W27 | Warm White 2700K | (leave blank for standard) | | FL | Flood | 120 | 120 Volt | (leave blank for standard E26) | |
| | | WW | Warm White 3000K | V2 | High Output | NFL | Narrow Flood | 230 | 230 Volt[3] | GU24[4] | GU24 |
| | | NW | Neutral White 4000K | | | SP | Spot | | | | |
| | | CW | Cool White 5000K | | | | | | | | |

NORTH AMERICAN CERTIFICATIONS

ENVIRONMENT

WET

| PAR38 Diameter & MOL | |
|---|---|
| E26 MOL: 5.03in, 128.34mm | GU24 MOL: 5.38in, 136.65mm |
| E26 Diameter: 4.72in, 120mm | GU24 Diameter: 4.72in, 120mm |

PAR30SN

SHORT NECK

# DEFINITY™
# PAR30 Short Neck

## FEATURES

- Dimmable to 5% of light on most dimmers.[1]
- Optional 40°, 25° and 15° beam spreads.
- Suitable for damp locations.
- 13 watts – 80% more efficient than comparable 65 watt Halogen lamp.
- Maintenance free operation, lasts up to 16 times longer than conventional lighting.
- 50,000 hour rated design life.
- ANSI compliant form factor.
- RoHS compliant – contains no mercury or lead.

## ANNUAL OVERALL SAVINGS[2]

| Standard Halogen | PAR30 Short Neck |
|---|---|
| Maintenance Cost $16 | Annual Savings[2] $31 |
| Electricity Cost $22 | Electricity Cost $5 |

**PAR30SN Lifetime Savings: $563**

**Standard Halogen**

**Wattage**
65W

**Lifetime**
3,000 hrs

Up to **80%** energy savings

**PAR30 Short Neck**

**Wattage**
13W

**Lifetime**
Up to 50,000 hrs

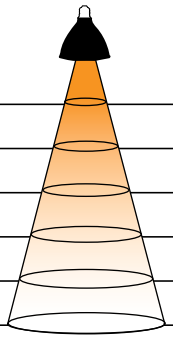
## PAR30 Short Neck

| Part Number | Wattage | Beam Angle | Lumens | CRI | CBCP |
|---|---|---|---|---|---|
| DFN 30SN NW FL 120 | 13W | 40 | 775 | 85 | 1365 |
| DFN 30SN WW FL 120 | 13W | 40 | 750 | 85 | 1321 |
| DFN 30SN W27 FL 120 | 13W | 40 | 725 | 85 | 1277 |
| DFN 30SN CW FL 120 | 13W | 40 | 800 | 85 | 1410 |
| DFN 30SN NW NFL 120 | 13W | 25 | 775 | 85 | 3222 |
| DFN 30SN WW NFL 120 | 13W | 25 | 750 | 85 | 3118 |
| DFN 30SN W27 NFL 120 | 13W | 25 | 725 | 85 | 3014 |
| DFN 30SN CW NFL 120 | 13W | 25 | 800 | 85 | 3326 |
| DFN 30SN NW NSP 120 | 13W | 10 | 775 | 85 | 4754 |
| DFN 30SN WW NSP 120 | 13W | 10 | 750 | 85 | 4601 |
| DFN 30SN W27 NSP 120 | 13W | 10 | 725 | 85 | 4448 |
| DFN 30SN CW NSP 120 | 13W | 10 | 800 | 85 | 4908 |

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

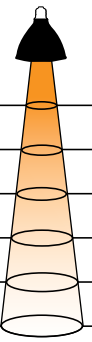
## 0° AIMING FOOTCANDLES

DFN 30SN WW FL 120



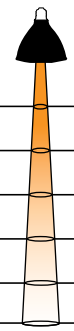
| Distance To Floor | Beam Diameter (50% CBCP) | Footcandles On Floor |
|---|---|---|
| 1.7′ | 1.0′ | 551 |
| 3.3′ | 2.0′ | 138 |
| 5.0′ | 3.0′ | 61 |
| 6.7′ | 4.0′ | 34 |
| 8.3′ | 5.0′ | 22 |
| 10.0′ | 5.9′ | 15 |

DFN 30SN WW NFL 120



| Distance To Floor | Beam Diameter (50% CBCP) | Footcandles On Floor |
|---|---|---|
| 1.7′ | 0.7′ | 884 |
| 3.3′ | 1.5′ | 221 |
| 5.0′ | 2.2′ | 98 |
| 6.7′ | 3.0′ | 55 |
| 8.3′ | 3.7′ | 35 |
| 10.0′ | 4.5′ | 25 |

DFN 30SN WW NSP 120



| Distance To Floor | Beam Diameter (50% CBCP) | Footcandles On Floor |
|---|---|---|
| 1.7′ | 0.3′ | 1,968 |
| 3.3′ | 0.7′ | 492 |
| 5.0′ | 1.0′ | 219 |
| 6.7′ | 1.4′ | 123 |
| 8.3′ | 1.7′ | 79 |
| 10.0′ | 2.0′ | 55 |

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

ENERGY STAR PARTNER

Specifications supplied are nominal. Please refer to the DOE's Lighting Facts Tolerance Guidelines. As a part of a continuous improvement program, specifications can be subject to change and are updated regularly at www.lsgc.com.
[1] See dimmer compatibility chart page 29.
[2] Savings based on 8hrs/day annual hours of operation, $0.114 average cost per KWH. $40/hr. cost of labor and 15 minutes maintenance time to change lamp.

## ORDERING INFORMATION \\ DFN 30SN WW FL 120

| Family | Product | Color (CCT) | Distribution | Voltage |
|---|---|---|---|---|
| DFN Definity | 30SN PAR30 Short Neck | W27 Warm White 2700K | FL Flood | 120 120 Volt |
| | | WW Warm White 3000K | NFL Narrow Flood | |
| | | NW Neutral White 4000K | NSP Narrow Spot | |
| | | CW Cool White 5000K | | |

**NORTH AMERICAN CERTIFICATIONS**

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

**ENVIRONMENT**

DAMP

**PAR30 Short Neck Diameter & MOL**

E26 MOL: 3.51in, 89.26mm

E26 Diameter: 3.74in, 94.87mm

# DEFINITY™ PAR30 & PAR30 Hi-Output

## FEATURES

- 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.

## ANNUAL OVERALL SAVINGS[2]

| Standard Halogen | PAR30 |
|---|---|
| Maintenance Cost $23 | Annual Savings[2] $41 |
| Electricity Cost $25 | Electricity Cost $5 |

**PAR30 Lifetime Savings: $742**

**Standard Halogen**

**Wattage** 75W

**Lifetime** 3,000 hrs

Up to **80%** energy savings

**PAR30**

**Wattage** 15W

**Lifetime** Up to 50,000 hrs

## PAR30

| Part Number | Wattage | Beam Angle | Lumens | CRI | CBCP |
|---|---|---|---|---|---|
| DFN 30 NW FL 120 | 15W | 40 | 770 | 85 | 1476 |
| DFN 30 WW FL 120 | 15W | 40 | 720 | 85 | 1398 |
| DFN 30 W27 FL 120 | 15W | 40 | 700 | 85 | 1297 |
| DFN 30 CW FL 120 | 15W | 40 | 943 | 67 | 1950 |
| DFN 30 NW NFL 120 | 15W | 25 | 800 | 85 | 3216 |
| DFN 30 WW NFL 120 | 15W | 25 | 725 | 85 | 3288 |
| DFN 30 W27 NFL 120 | 15W | 25 | 700 | 85 | 2821 |
| DFN 30 CW NFL 120 | 15W | 25 | 943 | 67 | 4000 |
| DFN 30 NW SP 120 | 15W | 15 | 800 | 85 | 6114 |
| DFN 30 WW SP 120 | 15W | 15 | 725 | 85 | 4101 |
| DFN 30 W27 SP 120 | 15W | 15 | 710 | 85 | 5203 |
| DFN 30 CW SP 120 | 15W | 15 | 943 | 67 | 7600 |

## PAR30 Hi-Output

| Part Number | Wattage | Beam Angle | Lumens | CRI | CBCP |
|---|---|---|---|---|---|
| DFN 30 NW V2 FL 120 | 18W | 40 | 1000 | 85 | 1800 |
| DFN 30 WW V2 FL 120 | 18W | 40 | 950 | 85 | 1700 |
| DFN 30 W27 V2 FL 120 | 18W | 40 | 920 | 85 | 1600 |
| DFN 30 CW V2 FL 120 | 18W | 40 | 1060 | 85 | 1950 |
| DFN 30 NW V2 NFL 120 | 18W | 25 | 1000 | 85 | 3700 |
| DFN30 WW V2 NFL 120 | 18W | 25 | 950 | 85 | 3500 |
| DFN 30 W27 V2 NFL 120 | 18W | 25 | 920 | 85 | 3450 |
| DFN 30 CW V2 NFL 120 | 18W | 25 | 1060 | 85 | 4000 |
| DFN 30 NW V2 SP 120 | 18W | 15 | 1000 | 85 | 7100 |
| DFN 30 WW V2 SP 120 | 18W | 15 | 950 | 85 | 6800 |
| DFN 30 W27 V2 SP 120 | 18W | 15 | 920 | 85 | 6600 |
| DFN 30 CW V2 SP 120 | 18W | 15 | 1060 | 85 | 7600 |

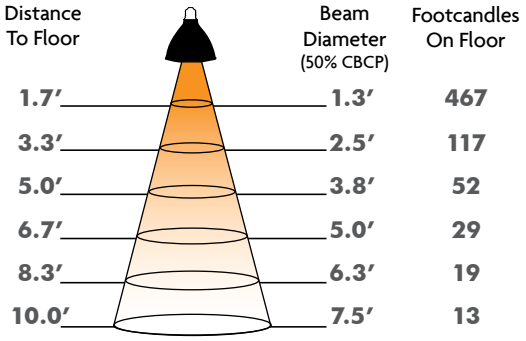
**FL:** Flood **NFL:** Narrow Flood **SP:** Spot **NW:** Neutral White **WW:** Warm White
**W27:** Warm White 2700K **CW:** Cool White **CBCP:** Center Beam Candle Power

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

ENERGY STAR PARTNER

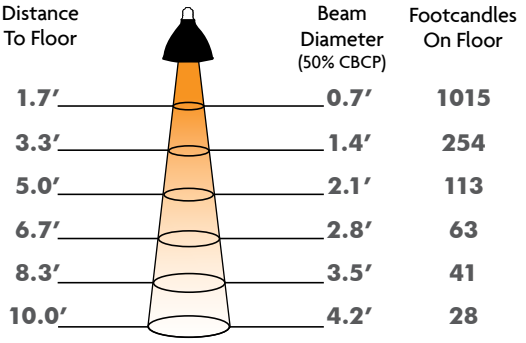
## 0° AIMING FOOTCANDLES

DFN 30 W27 FL 120



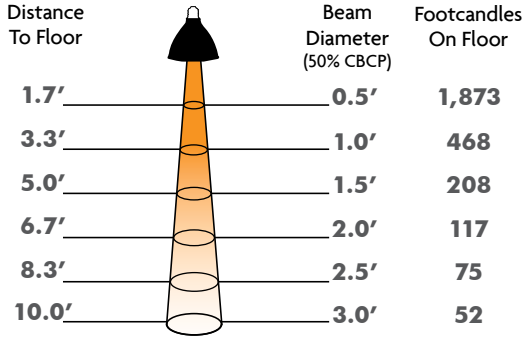
| Distance To Floor | Beam Diameter (50% CBCP) | Footcandles On Floor |
|---|---|---|
| 1.7′ | 1.3′ | 467 |
| 3.3′ | 2.5′ | 117 |
| 5.0′ | 3.8′ | 52 |
| 6.7′ | 5.0′ | 29 |
| 8.3′ | 6.3′ | 19 |
| 10.0′ | 7.5′ | 13 |

DFN 30 W27 NFL 120



| Distance To Floor | Beam Diameter (50% CBCP) | Footcandles On Floor |
|---|---|---|
| 1.7′ | 0.7′ | 1015 |
| 3.3′ | 1.4′ | 254 |
| 5.0′ | 2.1′ | 113 |
| 6.7′ | 2.8′ | 63 |
| 8.3′ | 3.5′ | 41 |
| 10.0′ | 4.2′ | 28 |

DFN 30 W27 SP 120



| Distance To Floor | Beam Diameter (50% CBCP) | Footcandles On Floor |
|---|---|---|
| 1.7′ | 0.5′ | 1,873 |
| 3.3′ | 1.0′ | 468 |
| 5.0′ | 1.5′ | 208 |
| 6.7′ | 2.0′ | 117 |
| 8.3′ | 2.5′ | 75 |
| 10.0′ | 3.0′ | 52 |

Specifications supplied are nominal. Please refer to the DOE's Lighting Facts Tolerance Guidelines. As a part of a continuous improvement program, specifications can be subject to change and are updated regularly at www.lsgc.com.
[1] See dimmer compatibility chart page 29.
[2] Savings based on 8hrs/day annual hours of operation, $0.114 average cost per KWH. $40/hr. cost of labor and 15 minutes maintenance time to change lamp.
[3] 230V utilizes E27 base and not available in HO configurations.
[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 standard E26) | |
| | | WW | Warm White 3000K | V2 | High Output | NFL | Narrow Flood | 230 | 230 Volt[3] | GU24[4] | GU24 |
| | | NW | Neutral White 4000K | | | SP | Spoot | | | | |
| | | CW | Cool White 5000K | | | | | | | | |

NORTH AMERICAN CERTIFICATIONS

ENVIRONMENT

WET

| PAR30 & PAR30 Hi-Output Diameter & MOL | |
|---|---|
| E26 MOL: 4.56in, 115.84mm | GU24 MOL: 4.87in, 123.69mm |
| E26 Diameter: 3.779in, 96mm | GU24 Diameter: 3.78in, 96.01mm |

PAR20

# DEFINITY™ PAR20 & PAR20 Hi-Output

## FEATURES

- Dimmable to 5% of light on most dimmers[1]
- 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.

## ANNUAL OVERALL SAVINGS[2]

| Standard Halogen | PAR20 |
|---|---|
| Maintenance Cost $15 | Annual Savings[2] $27 |
| Electricity Cost $17 | Electricity Cost $3 |

**PAR20 Lifetime Savings: $489**

**Standard Halogen**

**Wattage** 50W

**Lifetime** 3,000 hrs

Up to **84%** energy savings

**PAR20**

**Wattage** 8W

**Lifetime** Up to 50,000 hrs

## PAR20

| Part Number | Wattage | Beam Angle | Lumens | CRI | CBCP |
|---|---|---|---|---|---|
| DFN 20 NW FL 120 | 8W | 40 | 365 | 85 | 714 |
| DFN 20 WW FL 120 | 8W | 40 | 350 | 85 | 650 |
| DFN 20 W27 FL 120 | 8W | 40 | 310 | 85 | 570 |
| DFN 20 CW FL 120 | 8W | 40 | 420 | 67 | 1036 |
| DFN 20 NW NFL 120 | 8W | 25 | 375 | 85 | 1238 |
| DFN 20 WW NFL 120 | 8W | 25 | 350 | 85 | 1120 |
| DFN 20 W27 NFL 120 | 8W | 25 | 325 | 85 | 1175 |
| DFN 20 CW NFL 120 | 8W | 25 | 420 | 67 | 1550 |

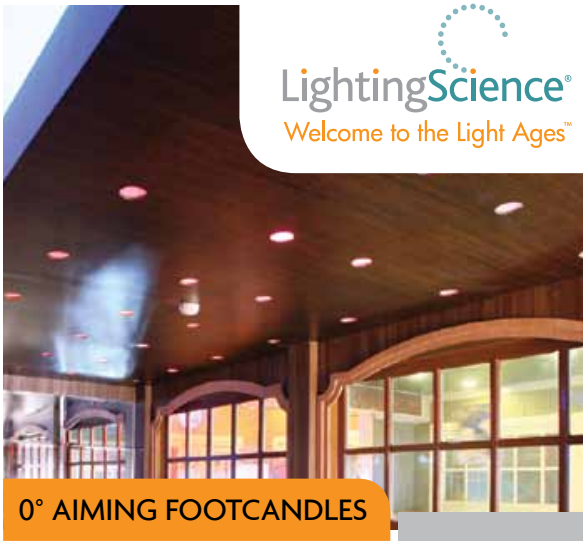
## PAR20 Hi-Output

| Part Number | Wattage | Beam Angle | Lumens | CRI | CBCP |
|---|---|---|---|---|---|
| DFN 20 NW V2 FL 120 | 8W | 40 | 450 | 85 | 900 |
| DFN 20 WW V2 FL 120 | 8W | 40 | 425 | 85 | 860 |
| DFN 20 W27 V2 FL 120 | 8W | 40 | 415 | 85 | 840 |
| DFN 20 CW V2 FL 120 | 8W | 40 | 480 | 85 | 950 |
| DFN 20 NW V2 NFL 120 | 8W | 25 | 450 | 85 | 1450 |
| DFN 20 WW V2 NFL 120 | 8W | 25 | 425 | 85 | 1400 |
| DFN 20 W27 V2 NFL 120 | 8W | 25 | 415 | 85 | 1350 |
| DFN 20 CW V2 NFL 120 | 8W | 25 | 480 | 85 | 1797 |

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

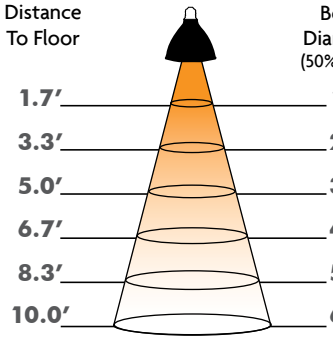
Visit www.lsgc.com/energystar for list of ENERGY STAR qualified lamps.

ENERGY STAR PARTNER



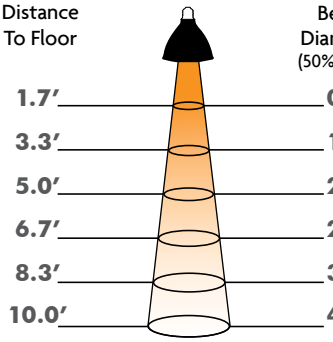

## 0° AIMING FOOTCANDLES

DFN 20 W27 FL 120



| Distance To Floor | Beam Diameter (50% CBCP) | Footcandles On Floor |
|---|---|---|
| 1.7′ | 1.1′ | 205 |
| 3.3′ | 2.3′ | 51 |
| 5.0′ | 3.4′ | 23 |
| 6.7′ | 4.5′ | 13 |
| 8.3′ | 5.7′ | 8 |
| 10.0′ | 6.8′ | 6 |

DFN 20 W27 NFL 120



| Distance To Floor | Beam Diameter (50% CBCP) | Footcandles On Floor |
|---|---|---|
| 1.7′ | 0.7′ | 423 |
| 3.3′ | 1.5′ | 106 |
| 5.0′ | 2.2′ | 47 |
| 6.7′ | 2.9′ | 26 |
| 8.3′ | 3.7′ | 17 |
| 10.0′ | 4.4′ | 12 |

Specifications supplied are nominal. Please refer to the DOE's Lighting Facts Tolerance Guidelines. As a part of a continuous improvement program, specifications can be subject to change and are updated regularly at www.lsgc.com.
[1] See dimmer compatibility chart page 29.
[2] Savings based on 8hrs/day annual hours of operation, $0.114 average cost per KWH. $40/hr. cost of labor and 15 minutes maintenance time to change lamp.
[3] 230V utilizes E27 base and not available in HO configurations.
[4] Not available or rated for 230V

## ORDERING INFORMATION \\ DFN 20 WW FL 120

| Family | Product | Color (CCT) | | Light Output | | Distribution | | Voltage | | Base | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| DFN Definity | 20 PAR20 | W27 | Warm White 2700K | (leave blank for standard) | | FL | Flood | 120 | 120 Volt | (leave blank for standard E26) | |
| | | WW | Warm White 3000K | V2 | High Output | NFL | Narrow Flood | 230 | 230 Volt[3] | GU24[4] | GU24 |
| | | NW | Neutral White 4000K | | | | | | | | |
| | | CW | Cool White 5000K | | | | | | | | |

NORTH AMERICAN CERTIFICATIONS

ENVIRONMENT

DAMP

| PAR20 & PAR20 Hi-Output Diameter & MOL | |
|---|---|
| E26 MOL: 3.4in, 86mm | GU24 MOL: 3.69in, 93.72mm |
| E26 Diameter: 2.6in, 66mm | GU24 Diameter: 2.6in, 66mm |

BR20 / BR30 / BR40

# DEFINITY™
# BR20, BR30 & BR40

## FEATURES

- Dimmable to 5% of light on most dimmers.[1]
- Up to 80% more efficient than comparable BR incandescent lamps.
- Maintenance free operation, lasts up to 25 times longer than conventional lighting.
- 50,000 hour rated design life.
- Optical design achieves smooth beam pattern to achieve a warm room filling glow for general illumination applications.
- RoHS compliant – contains no mercury or lead.

## ANNUAL OVERALL SAVINGS[2]

| Standard Incandescent | BR30 |
|---|---|
| Maintenance Cost $19 | Annual Savings[2] $37 |
| Electricity Cost $25 | Electricity Cost $5 |

**BR30 Lifetime Savings: $667**

**Standard Incandescent**

**Wattage**
75W

**Lifetime**
2,000 hrs

Up to **80%** energy savings

**BR30**

**Wattage**
15W

**Lifetime**
Up to 50,000 hrs

## BR20

| Part Number | Wattage | Lumens | CRI |
|---|---|---|---|
| DFN BR20 NW 120 | 8W | 475 | 80 |
| DFN BR20 WW 120 | 8W | 475 | 80 |
| DFN BR20 W27 120 | 8W | 465 | 80 |
| DFN BR20 CW 120 | 8W | 525 | 67 |

## BR30

| Part Number | Wattage | Lumens | CRI |
|---|---|---|---|
| DFN BR30 NW 120 | 15W | 844 | 80 |
| DFN BR30 WW 120 | 15W | 800 | 80 |
| DFN BR30 W27 120 | 15W | 725 | 80 |
| DFN BR30 CW 120 | 15W | 895 | 67 |

## BR40

| Part Number | Wattage | Lumens | CRI |
|---|---|---|---|
| DFN BR40 NW 120 | 18W | 950 | 80 |
| DFN BR40 WW 120 | 18W | 900 | 80 |
| DFN BR40 W27 120 | 18W | 875 | 80 |
| DFN BR40 CW 120 | 18W | 1006 | 67 |

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

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

ENERGY STAR PARTNER

Specifications supplied are nominal. Please refer to the DOE's Lighting Facts Tolerance Guidelines. As a part of a continuous improvement program, specifications can be subject to change and are updated regularly at www.lsgc.com.
[1] See dimmer compatibility chart page 29.
[2] Savings based on 8hrs/day annual hours of operation, $0.114 average cost per KWH. $40/hr. cost of labor and 15 minutes maintenance time to change lamp.

## ORDERING INFORMATION \\ DFN BR20 WW 120 \\ DFN BR30 WW 120 \\ DFN BR40 WW 120

| Family | Product | | Color (CCT) | | Voltage | | Base | |
|---|---|---|---|---|---|---|---|---|
| DFN Definity | BR20 | BR20 | W27 | Warm White 2700K | 120 | 120 Volt | (leave blank for standard E26) | |
| | BR30 | BR30 | WW | Warm White 3000K | | | GU24 | GU24 |
| | BR40 | BR40 | NW | Neutral White 4000K | | | | |
| | | | CW | Cool White 5000K | | | | |

| BR20 | BR30 | BR40 |
|---|---|---|
| E26 MOL: 3.99in, 101.45mm | E26 MOL: 5.3in, 135mm | E26 MOL: 6.2in, 157.34mm |
| E26 Diameter: 2.60in, 66mm | E26 Diameter: 3.78in, 96.01mm | E26 Diameter: 5in, 128mm |
| GU24 MOL: 4.28in, 108.71mm | GU24 MOL: 5.62in, 142.74mm | GU24 MOL: 6.49in, 164.84mm |
| GU24 Diameter: 2.60in, 66mm | GU24 Diameter: 3.78in, 96.01mm | GU24 Diameter: 5.04in, 128.01mm |

NORTH AMERICAN CERTIFICATIONS

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

ENVIRONMENT

DAMP

# DEFINITY™
# PAR16 & MR16 GU10

## FEATURES

- 6 watts – up to 80% more efficient than comparable 30 watt halogen lamp.
- Maintenance free operation, lasts up to 11 times longer than conventional lighting.
- 35,000 hour rated design life in open air applications.
- Optional 40° and 25° beam spreads.
- Available from 2700-5000K CCT.

## ANNUAL OVERALL SAVINGS[1]

| Standard Halogen | GU10 |
|---|---|
| Maintenance Cost $13 | Annual Savings[1] $19 |
| Electricity Cost $10 | Electricity Cost $2 |

**GU10 Lifetime Savings: $247**

**Standard Halogen**

**Wattage** 30W

**Lifetime** 3,000 hrs

Up to **80%** energy savings

**GU10**

**Wattage** 6W

**Lifetime** 35,000 hrs

## PAR16[2]

| Part Number | Wattage | Beam Angle | Lumens | CRI | CBCP |
|---|---|---|---|---|---|
| DFN 16 NW FL 120 E26 | 6W | 40 | 345 | 85 | 568 |
| DFN 16 WW FL 120 E26 | 6W | 40 | 325 | 85 | 559 |
| DFN 16 W27 FL 120 E26 | 6W | 40 | 315 | 85 | 487 |
| DFN 16 CW FL 120 E26 | 6W | 40 | 365 | 67 | 860 |
| DFN 16 NW NFL 120 E26 | 6W | 25 | 345 | 85 | 982 |
| DFN 16 WW NFL 120 E26 | 6W | 25 | 325 | 85 | 978 |
| DFN 16 W27 NFL 120 E26 | 6W | 25 | 315 | 85 | 930 |
| DFN 16 CW NFL 120 E26 | 6W | 25 | 365 | 67 | 1516 |

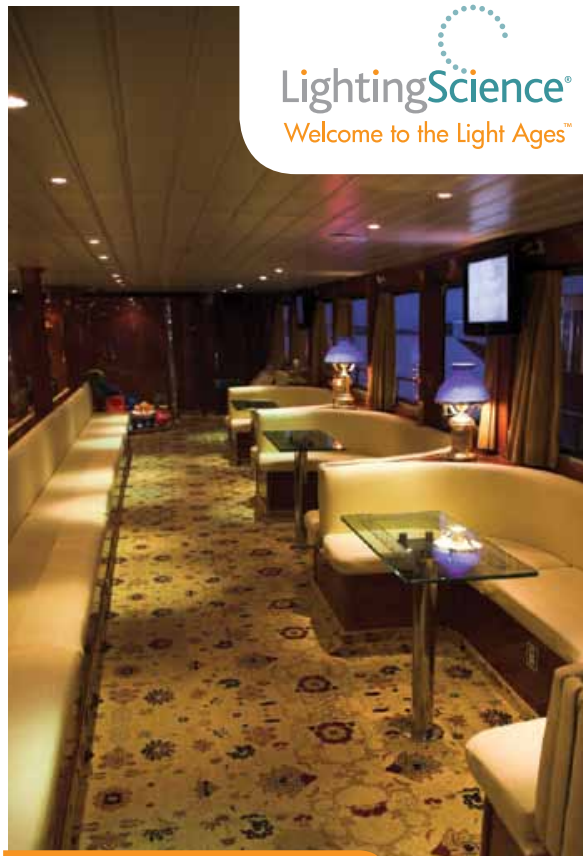
## MR16 GU10[2]

| Part Number | Wattage | Beam Angle | Lumens | CRI | CBCP |
|---|---|---|---|---|---|
| DFN 16 NW FL 120 GU10 | 6W | 40 | 345 | 85 | 470 |
| DFN 16 WW FL 120 GU10 | 6W | 40 | 325 | 85 | 450 |
| DFN 16 W27 FL 120 GU10 | 6W | 40 | 315 | 85 | 435 |
| DFN 16 CW FL 120 GU10 | 6W | 40 | 365 | 67 | 510 |
| DFN 16 NW NFL 120 GU10 | 6W | 25 | 345 | 85 | 1150 |
| DFN 16 WW NFL 120 GU10 | 6W | 25 | 325 | 85 | 1100 |
| DFN 16 W27 NFL 120 GU10 | 6W | 25 | 315 | 85 | 1050 |
| DFN 16 CW NFL 120 GU10 | 6W | 25 | 365 | 67 | 1200 |

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

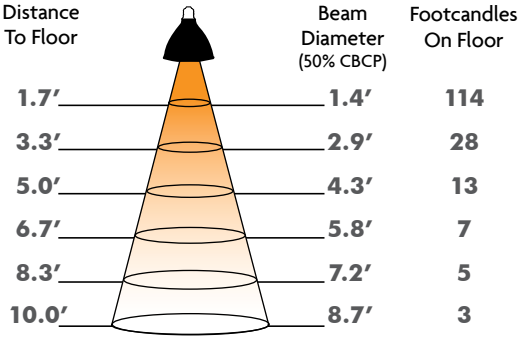
Visit www.lsgc.com/energystar for list of ENERGY STAR qualified lamps.

ENERGY STAR PARTNER




## 0° AIMING FOOTCANDLES

DFN MR16 WW FL 120 GU10




Specifications supplied are nominal. Please refer to the DOE's Lighting Facts Tolerance Guidelines. As a part of a continuous improvement program, specifications can be subject to change and are updated regularly at www.lsgc.com.
[1] Savings based on 8hrs/day annual hours of operation, $0.114 average cost per KWH. $40/hr. cost of labor and 15 minutes maintenance time to change lamp.
[2] Three year limited warranty.
[3] Non dimmable.

## ORDERING INFORMATION \\ DFN 16 WW FL 120 \\ DFN 16 WW FL 120 GU10

| Family | Product | | Color (CCT) | | Distribution | | Voltage | | Base | |
|---|---|---|---|---|---|---|---|---|---|---|
| DFN Definity | 16 | MR16 GU10[3] | W27 | Warm White 2700K | FL | Flood | 120 | 120 Volt | GU10 | GU10 |
| | 16 | PAR16[3] | WW | Warm White 3000K | NFL | Narrow Flood | | | | |
| | | | NW | Neutral White 4000K | | | | | | |
| | | | CW | Cool White 5000K | | | | | | |

NORTH AMERICAN CERTIFICATIONS

RoHS COMPLIANT 2002/95/EC · FC · Intertek

ENVIRONMENT

DAMP

| PAR16 | MR16 GU10 |
|---|---|
| E26 MOL: 2.372in, 60.26mm | GU10 MOL: 2.22in, 56.50mm |
| E26 Diameter: 1.969in, 50.26mm | GU10 Diameter: 1.97in, 50.05mm |

MR16 HI-OUTPUT

# DEFINITY™
# MR16 Hi-Output

## FEATURES

- 8 watts – up to 84% more efficient than comparable Halogen lamp.
- Replaces up to 50W MR16 Halogen lamps.
- Maintenance free operation, lasts up to eight times longer than conventional lighting.
- 25,000 hour rated design life.
- Superior design requires no fans to optimize thermal dissapation.
- Beam distribution of 25°.
- Available from 2700-5000K CCT.
- Over 65 Lumens per watt in 3000 CCT Version
- ANSI compliant form factor.
- Compatible with a wide array of AC, DC and magnetic or electronic transformers.[1]

## ANNUAL OVERALL SAVINGS[2]

| Standard Halogen | MR16 HI-OUTPUT |
|---|---|
| Maintenance Cost $16 | Annual Savings[2] $26 |
| Electricity Cost $16 | Electricity Cost $2 |

**MR16 Hi-Output Lifetime Savings: $253**

**Standard Halogen**

**Wattage** 50W

**Lifetime** 3,000 hrs

Up to **84%** energy savings

3000K (WW) only

**MR16 Hi-Output**

**Wattage** 8W

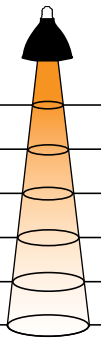
**Lifetime** up to 25,000 hrs

## MR16 Hi-Output[3]

| Part Number | Wattage | Beam Angle | Lumens | CRI | CBCP |
|---|---|---|---|---|---|
| DFN 16 NW V2 NFL | 8W | 25 | 535 | 83 | 2375 |
| DFN 16 WW V2 NFL | 8W | 25 | 525 | 83 | 2350 |
| DFN 16 W27 V2 NFL | 8W | 25 | 500 | 83 | 2230 |
| DFN 16 CW V2 NFL | 8W | 25 | 550 | 67 | 2436 |

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

DFN 16 WW V2 NFL



| Distance To Floor | Beam Diameter (50% CBCP) | Footcandles On Floor |
|---|---|---|
| 1.7′ | 0.7′ | 844 |
| 3.3′ | 1.3′ | 211 |
| 5.0′ | 2.0′ | 94 |
| 6.7′ | 2.7′ | 53 |
| 8.3′ | 3.3′ | 34 |
| 10.0′ | 4.0′ | 23 |

Specifications supplied are nominal. Please refer to the DOE's Lighting Facts Tolerance Guidelines. As a part of a continuous improvement program, specifications can be subject to change and are updated regularly at www.lsgc.com. LM79 results based on 12 Volt DC source

[1] See transformer compatibility chart page 30.

[2] Savings based on 8hrs/day annual hours of operation, $0.114 average cost per KWH. $40/hr. cost of labor and 15 minutes maintenance time to change lamp.

[3] Not for use in fully sealed or enclosed fixtures.

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

ENERGY STAR PARTNER

## ORDERING INFORMATION \\ DFN 16 WW V2 NFL

| Family | Product | Color (CCT) | Light Output | Distribution |
|---|---|---|---|---|
| DFN Definity | 16 MR16 | W27 Warm White 2700K | V2 High Output | NFL Narrow Flood |
| | | WW Warm White 3000K | | |
| | | NW Neutral White 4000K | | |
| | | CW Cool White 5000K | | |

| NORTH AMERICAN CERTIFICATIONS | ENVIRONMENT | MR16 HI-OUTPUT Diameter & MOL |
|---|---|---|
| RoHS COMPLIANT 2002/95/EC, Intertek, FC | DAMP | MOL: 1.904in, 48.36mm |
| | | Diameter: 1.97in, 50.04mm |

MR16

# DEFINITY™ MR16

## FEATURES

- 6 watts – 70% more efficient than comparable 20 watt Halogen lamp.
- Maintenance free operation, lasts up to 11 times longer than halogen lighting.
- Optional 40° and 25° beam spreads.
- Available from 2700-5000K CCT.
- Compatible with a wide array of AC, DC and magnetic or electronic transformers.[1]

## ANNUAL OVERALL SAVINGS[2]

| Standard Halogen | MR16 |
|---|---|
| Maintenance Cost $16 | Annual Savings[2] $19 |
| Electricity Cost $7 | Electricity Cost $2 |

**MR16 Lifetime Savings: $242**

**Standard Halogen**

Wattage
20W

Lifetime
3,000 hrs

Up to **70%** energy savings

**MR16**

Wattage
6W

Lifetime
35,000 hrs

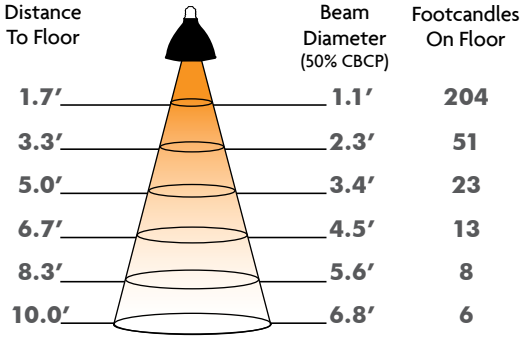
## MR16

| Part Number | Wattage | Beam Angle | Lumens | CRI | CBCP |
|---|---|---|---|---|---|
| DFN 16 NW FL | 6W | 40 | 295 | 85 | 568 |
| DFN 16 WW FL | 6W | 40 | 260 | 85 | 559 |
| DFN 16 W27 FL | 6W | 40 | 245 | 85 | 487 |
| DFN 16 CW FL | 6W | 40 | 424 | 67 | 860 |
| DFN 16 NW NFL | 6W | 25 | 295 | 85 | 982 |
| DFN 16 WW NFL | 6W | 25 | 260 | 85 | 978 |
| DFN 16 W27 NFL | 6W | 25 | 245 | 85 | 930 |
| DFN 16 CW NFL | 6W | 25 | 424 | 67 | 1516 |

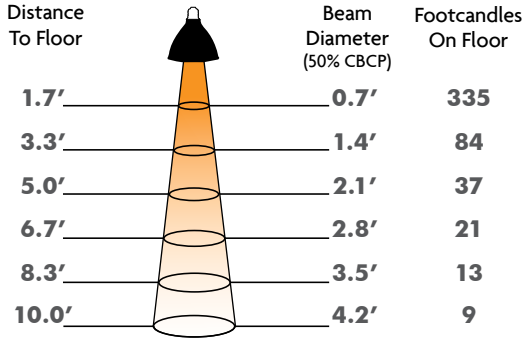
**FL:** Flood **NFL:** Narrow Flood **NW:** Neutral White **WW:** Warm White **W27:** Warm White 2700K
**CW:** Cool White **CBCP:** Center Beam Candle Power

## 0° AIMING FOOTCANDLES

DFN 16 NW FL




DFN 16 W27 NFL




Specifications supplied are nominal. Please refer to the DOE's Lighting Facts Tolerance Guidelines. As a part of a continuous improvement program, specifications can be subject to change and are updated regularly at www.lsgc.com. LM79 results based on 12 Volt DC source
[1] See transformer compatibility chart page 30.
[2] Savings based on 8hrs/day annual hours of operation, $0.114 average cost per KWH. $40/hr. cost of labor and 15 minutes maintenance time to change lamp.

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

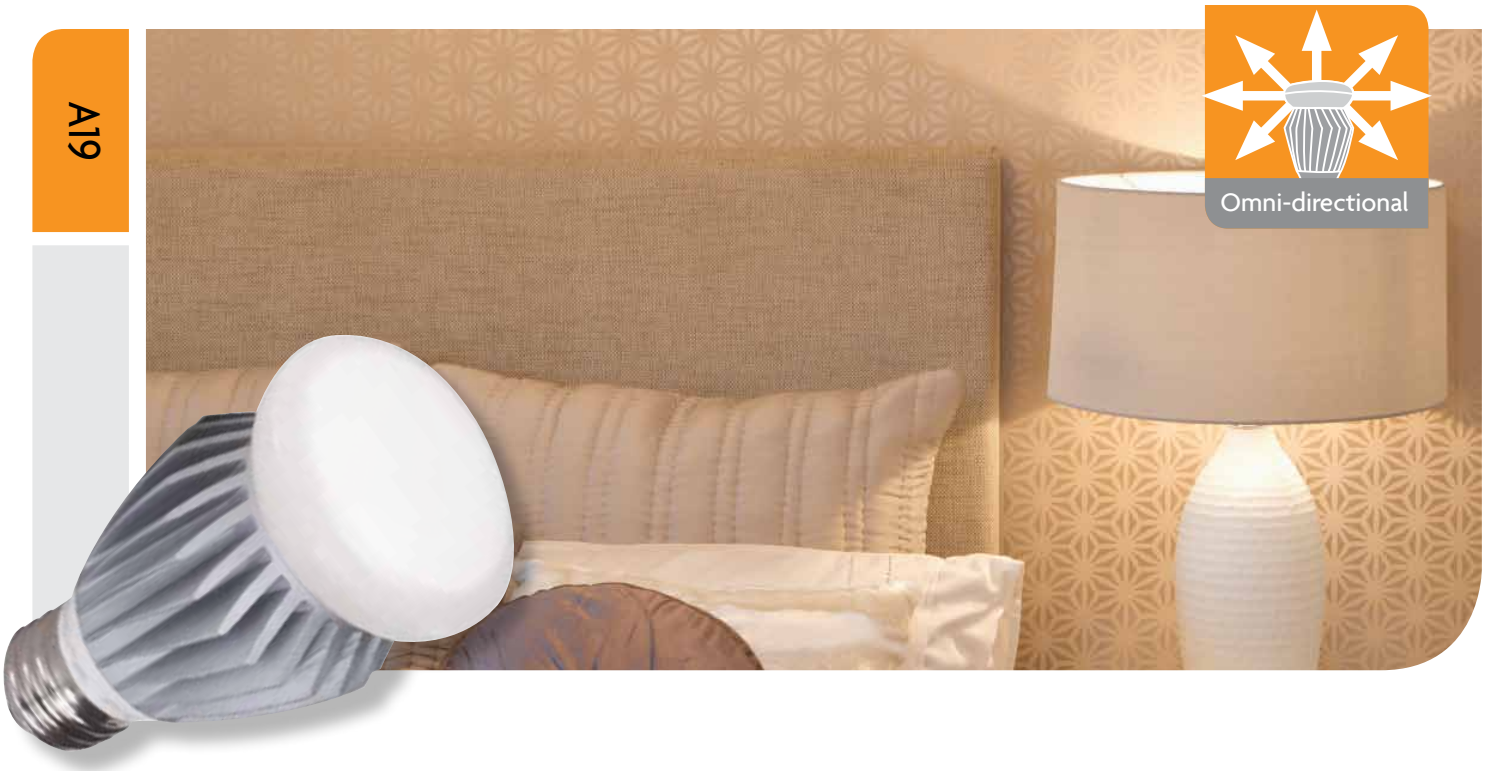
ENERGY STAR PARTNER

## ORDERING INFORMATION \\ DFN 16 WW FL

| Family | Product | | Color (CCT) | | Distribution | |
|---|---|---|---|---|---|---|
| DFN Definity | 16 | MR16 | W27 | Warm White 2700K | FL | Flood |
| | | | WW | Warm White 3000K | NFL | Narrow Flood |
| | | | NW | Neutral White 4000K | | |
| | | | CW | Cool White 5000K | | |

| NORTH AMERICAN CERTIFICATIONS | ENVIRONMENT | MR16 Diameter & MOL |
|---|---|---|
| RoHS COMPLIANT 2002/95/EC, Intertek, FC | DAMP | 16 MOL: 1.942in, 49.336mm |
| | | Diameter: 1.97in, 50.052mm |

A19




# DEFINITY™ A19

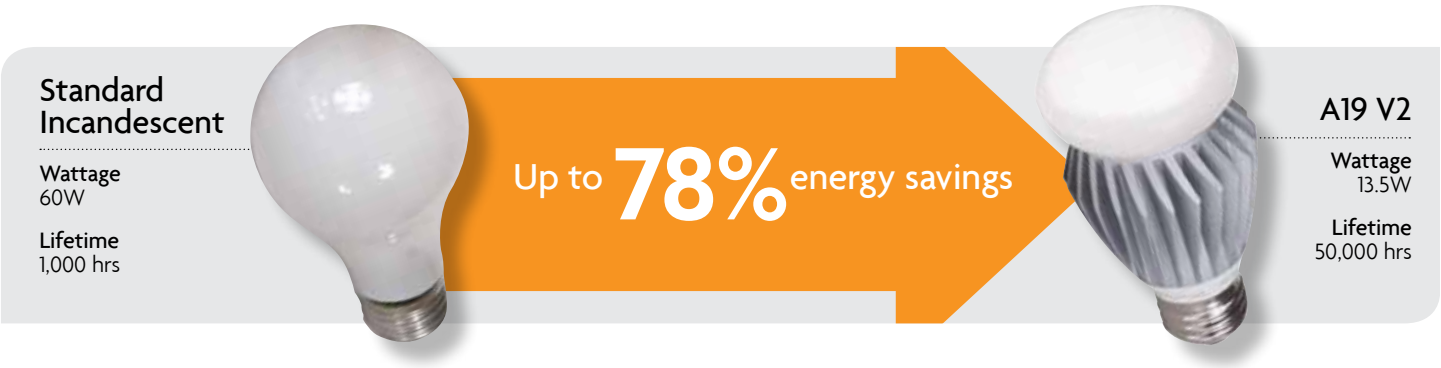
## FEATURES

- Dimmable to 5% of light on most dimmers.[1]
- ENERGY STAR compliant, Omni-directional design
- 8.5/13.5 watts – 78% more efficient than comparable 40/60 watt Incandescent lamps.
- Maintenance free operation, lasts over 50 times longer than conventional lighting.
- RoHS compliant – contains no mercury or lead.

## ANNUAL OVERALL SAVINGS[2]

| Standard Incandescent | A19 V2 |
|---|---|
| Maintenance Cost $32 | Annual Savings[2] $46 |
| Electricity Cost $20 | Electricity Cost $5 |

**A19 V2 Lifetime Savings: $815**



## A19

| Part Number | Wattage | Lumens | CRI |
|---|---|---|---|
| DFN A19 NW V1 120 | 8.5W | 475 | 85 |
| DFN A19 WW V1 120 | 8.5W | 450 | 85 |
| DFN A19 W27 V1 120 | 8.5W | 450 | 85 |
| DFN A19 CW V1 120 | 8.5W | 505 | 85 |
| DFN A19 NW V2 120 | 13.5W | 850 | 85 |
| DFN A19 WW V2 120 | 13.5W | 800 | 85 |
| DFN A19 W27 V2 120 | 13.5W | 800 | 85 |
| DFN A19 CW V2 120 | 13.5W | 900 | 85 |

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

Specifications supplied are nominal. Please refer to the DOE's Lighting Facts Tolerance Guidelines. As a part of a continuous improvement program, specifications can be subject to change and are updated regularly at www.lsgc.com.

[1] See dimmer compatibility chart page 29.
[2] Savings based on 8hrs/day annual hours of operation, $0.114 average cost per KWH. $40/hr. cost of labor and 15 minutes maintenance time to change lamp.
[3] 230V available in V1 (40W equivalent)
[4] Not available or rated for 230V

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

ENERGY STAR PARTNER

## ORDERING INFORMATION \\ DFN A19 WW V2 120

| Family | Product | Color (CCT) | | Light Output | | Voltage | | Base | |
|---|---|---|---|---|---|---|---|---|---|
| **DFN** Definity | **A19** A19 | **W27** | Warm White 2700K | **V1** | 40W Equivalent[3] | **120** | 120 Volt | (leave blank for standard E26) | |
| | | **WW** | Warm White 3000K | **V2** | 60W Equivalent | **230** | 230 Volt[3] | **GU24**[4] | GU24 |
| | | **NW** | Neutral White 4000K | | | | | | |
| | | **CW** | Cool White 5000K | | | | | | |

| NORTH AMERICAN CERTIFICATIONS | ENVIRONMENT | A19 Diameter & MOL | |
|---|---|---|---|
| RoHS COMPLIANT 2002/95/EC, c UL us LISTED, FC | DAMP | E26 MOL: 4.284in, 108.82mm | GU24 MOL: 4.52in, 114.8mm |
| | | E26 Diameter: 2.22in, 56.33mm | GU24 Diameter: 2.22in, 56.33mm |

DFN19 & DFN25

# DEFINITY™ DFN19 & DFN25

## FEATURES

- Dimmable to 5% of light on most dimmers.[1]
- 8 watts – up to 84% more efficient than comparable 50 watt Incandescent lamp (G25 version).
- Maintenance free operation, lasts up to 50 times longer than conventional lighting.
- RoHS compliant – contains no mercury or lead.

## ANNUAL OVERALL SAVINGS[2]

| Standard Incandescent | DFN25 |
|---|---|
| Maintenance Cost $35 | Annual Savings[2] $47 |
| Electricity Cost $16 | Electricity Cost $2 |

**DFN25 Lifetime Savings: $839**

**Standard Incandescent**

**Wattage** 50W

**Lifetime** 1,000 hrs

Up to **84%** energy savings

**DFN25**

**Wattage** 8W

**Lifetime** 50,000 hrs

## DFN19

| Part Number | Wattage | Lumens | CRI |
|---|---|---|---|
| DFN 19 NW 120 | 8W | 450 | 85 |
| DFN 19 WW 120 | 8W | 425 | 85 |
| DFN 19 W27 120 | 8W | 395 | 85 |
| DFN 19 CW 120 | 8W | 570 | 67 |

## DFN25

| Part Number | Wattage | Lumens | CRI |
|---|---|---|---|
| DFN 25 NW 120 | 8W | 475 | 85 |
| DFN 25 WW 120 | 8W | 450 | 85 |
| DFN 25 W27 120 | 8W | 410 | 85 |
| DFN 25 CW 120 | 8W | 575 | 67 |

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

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

ENERGY STAR PARTNER

Specifications supplied are nominal. Please refer to the DOE's Lighting Facts Tolerance Guidelines. As a part of a continuous improvement program, specifications can be subject to change and are updated regularly at www.lsgc.com.
[1] See dimmer compatibility chart page 29.
[2] Savings based on 8hrs/day annual hours of operation, $0.114 average cost per KWH. $40/hr. cost of labor and 15 minutes maintenance time to change lamp.
[3] 230V utilizes E27 base, otherwise consult factory.
[4] Not available or rated for 230V

## ORDERING INFORMATION \\ DFN 19 WW 120 \\ DFN 25 WW 120

| Family | Product | | Color (CCT) | | Voltage | | Base | |
|---|---|---|---|---|---|---|---|---|
| DFN Definity | 19 | 19 | W27 | Warm White 2700K | 120 | 120 Volt | (leave blank for standard E26) | |
| | 25 | G25 | WW | Warm White 3000K | 230 | 230 Volt[3] | GU24[4] | GU24 (DFN25 Only) |
| | | | NW | Neutral White 4000K | | | | |
| | | | CW | Cool White 5000K | | | | |

NORTH AMERICAN CERTIFICATIONS

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ENVIRONMENT

DRY — DFN19 | DAMP — DFN25

| DFN19 | DFN25 |
|---|---|
| E26 MOL: 4.39in, 111.60mm | E26 MOL: 4.68in, 118.88mm |
| E26 Diameter: 2.31in, 58.60mm | E26 Diameter: 3.15in, 80mm |
| | GU24 MOL: 4.97in, 126.23mm |
| | GU24 Diameter: 3.14in, 79.75mm |

# DEFINITY™ Lamp Range

| | PAR38 | | | | PAR38 Hi-Output | | | | PAR30 | | | | PAR30 Hi-Output | | | | PAR30 Short Neck | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Comparable Equivalence | 90W halogen | | | | 120W halogen | | | | 75W halogen | | | | 90W halogen | | | | 65W halogen | | | |
| Wattage | 18W | | | | 24W | | | | 15W | | | | 18W | | | | 13W | | | |
| Voltage | 120 VAC[2] | | | | 120 VAC | | | | 120 VAC[2] | | | | 120 VAC | | | | 120 VAC | | | |
| Beam Angle | | 40° | 25° | 15° | | 40° | 25° | 15° | | 40° | 25° | 15° | | 40° | 25° | 15° | | 40° | 25° | 10° |
| Output (lumens) | W27 | 840 | 840 | 840 | W27 | 1250 | 1250 | 1250 | W27 | 700 | 700 | 710 | W27 | 920 | 920 | 920 | W27 | 725 | 725 | 725 |
| | WW | 850 | 850 | 850 | WW | 1300 | 1300 | 1300 | WW | 720 | 725 | 725 | WW | 950 | 950 | 950 | WW | 750 | 750 | 750 |
| | NW | 890 | 950 | 950 | NW | 1375 | 1375 | 1375 | NW | 770 | 800 | 800 | NW | 1000 | 1000 | 1000 | NW | 775 | 775 | 775 |
| | CW | 1290 | 1290 | 1290 | CW | 1460 | 1460 | 1460 | CW | 943 | 943 | 943 | CW | 1060 | 1060 | 1060 | CW | 800 | 800 | 800 |
| Center Beam Candle Power (candelas) | | 40° | 25° | 15° | | 40° | 25° | 15° | | 40° | 25° | 15° | | 40° | 25° | 15° | | 40° | 25° | 10° |
| | W27 | 1573 | 3493 | 6054 | W27 | 2250 | 5000 | 8500 | W27 | 1297 | 2821 | 5203 | W27 | 1600 | 3450 | 6600 | W27 | 1277 | 3014 | 4448 |
| | WW | 1658 | 3574 | 6194 | WW | 2400 | 5200 | 8900 | WW | 1398 | 3288 | 4101 | WW | 1700 | 3500 | 6800 | WW | 1321 | 3118 | 4601 |
| | NW | 1766 | 4099 | 6977 | NW | 2500 | 5500 | 9400 | NW | 1476 | 3216 | 6114 | NW | 1800 | 3700 | 7100 | NW | 1365 | 3222 | 4754 |
| | CW | 2030 | 4711 | 8019 | CW | 2700 | 5900 | 10000 | CW | 1950 | 4000 | 7600 | CW | 1950 | 4000 | 7600 | CW | 1410 | 3326 | 4908 |
| Efficacy (lm/w) | W27 | 47 | | | 52 | | | | 47 | | | | 51 | | | | 56 | | | |
| | WW | 47 | | | 54 | | | | 48 | | | | 53 | | | | 58 | | | |
| | NW | 53 | | | 57 | | | | 53 | | | | 56 | | | | 60 | | | |
| | CW | 72 | | | 61 | | | | 63 | | | | 59 | | | | 62 | | | |
| Color Temp | W27 | 2700K | | | 2700K | | | | 2700K | | | | 2700K | | | | 2700K | | | |
| | WW | 3000K | | | 3000K | | | | 3000K | | | | 3000K | | | | 3000K | | | |
| | NW | 4000K | | | 4000K | | | | 4000K | | | | 4000K | | | | 4000K | | | |
| | CW | 5000K | | | 5000K | | | | 5000K | | | | 5000K | | | | 5000K | | | |
| CRI W27/WW/NW/CW | 85/85/85/67 | | | | 85/85/85/85 | | | | 85/85/85/67 | | | | 85/85/85/85 | | | | 85/85/85/67 | | | |
| Beam Angle | 15°, 25°, 40° | | | | 15°, 25°, 40° | | | | 15°, 25°, 40° | | | | 15°, 25°, 40° | | | | 10°, 25°, 40° | | | |
| Warranty | 5 years/25,000 hrs. | | | | 5 years/25,000 hrs. | | | | 5 years/25,000 hrs. | | | | 5 years/25,000 hrs. | | | | 5 years/25,000 hrs. | | | |
| E26 MOL | 5.03in, 128.34mm | | | | 5.03in, 128.34mm | | | | 4.56in, 115.84mm | | | | 4.56in, 115.84mm | | | | 3.51in, 89.26mm | | | |
| GU24 MOL | 5.38in, 136.65mm[3] | | | | 5.38in, 136.65mm[3] | | | | 4.87in, 123.69mm[3] | | | | 4.87in, 123.69mm[3] | | | | E26 Only | | | |
| Rating | cUL, FCC, RoHS | | | | cUL, FCC, RoHS | | | | cUL, FCC, RoHS | | | | cUL, FCC, RoHS | | | | cUL, FCC, RoHS | | | |
| Dimmable[1] | Yes | | | | Yes | | | | Yes | | | | Yes | | | | Yes | | | |

**NFL:** Narrow Flood **FL:** Flood **SP:** Spot **NW:** Neutral White **WW:** Warm White **W27:** Warm White 2700K **CW:** Cool White

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| | PAR20 | | | PAR20 Hi-Output | | | BR40 | | BR30 | | BR20 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Comparable Equivalence | 50W halogen | | | 90W halogen | | | 90W Incandescent | | 75W Incandescent | | 50W Incandescent | |
| Wattage | 8W | | | 8W | | | 18W | | 15W | | 8W | |
| Voltage | 120 VAC[2] | | | 120 VAC | | | 120 VAC | | 120 VAC | | 120 VAC | |
| Beam Angle | | 40° | 25° | | 40° | 25° | | | | | | |
| Output (lumens) | W27 | 310 | 325 | W27 | 415 | 415 | W27 | 875 | W27 | 725 | W27 | 465 |
| | WW | 350 | 350 | WW | 425 | 425 | WW | 900 | WW | 800 | WW | 475 |
| | NW | 365 | 375 | NW | 450 | 450 | NW | 950 | NW | 844 | NW | 475 |
| | CW | 420 | 420 | CW | 480 | 480 | CW | 1006 | CW | 895 | CW | 525 |
| Center Beam Candle Power (candelas) | | 40° | 25° | | 40° | 25° | | | | | | |
| | W27 | 570 | 1175 | W27 | 840 | 1350 | | | | | | |
| | WW | 650 | 1120 | WW | 860 | 1400 | | | | | | |
| | NW | 714 | 1238 | NW | 900 | 1450 | | | | | | |
| | CW | 1036 | 1550 | CW | 950 | 1797 | | | | | | |
| Efficacy (lm/w) | W27 | 40 | 41 | | 52 | | 49 | | 48 | | 58 | |
| | WW | 44 | 44 | | 53 | | 50 | | 53 | | 59 | |
| | NW | 46 | 47 | | 56 | | 53 | | 56 | | 59 | |
| | CW | 68 | 68 | | 60 | | 56 | | 60 | | 66 | |
| Color Temp | 2700K | | | 2700K | | | 2700K | | 2700K | | 2700K | |
| | 3000K | | | 3000K | | | 3000K | | 3000K | | 3000K | |
| | 4000K | | | 4000K | | | 4000K | | 4000K | | 4000K | |
| | 5000K | | | 5000K | | | 5000K | | 5000K | | 5000K | |
| CRI W27/WW/NW/CW | 85/85/85/67 | | | 85/85/85/85 | | | 80/80/80/67 | | 80/80/80/67 | | 80/80/80/67 | |
| Beam Angle | 25°, 40° | | | 25°, 40° | | | | | | | | |
| Warranty | 5 years/25,000 hrs. | | | 5 years/25,000 hrs. | | | 5 years/25,000 hrs. | | 5 years/25,000 hrs. | | 5 years/25,000 hrs. | |
| E26 MOL | 3.4in, 86mm | | | 3.4in, 86mm | | | 6.2in, 157.34mm | | 5.3in, 135mm | | 3.99in, 101.45mm | |
| GU24 MOL | 3.69in, 93.72mm[3] | | | 3.69in, 93.72mm[3] | | | 6.49in, 164.84mm | | 5.32in, 142.74mm | | E26 Only | |
| Rating | cUL, FCC, RoHS | | | cUL, FCC, RoHS | | | cUL, FCC, RoHS | | cUL, FCC, RoHS | | cUL, FCC, RoHS | |
| Dimmable[1] | Yes | | | Yes | | | Yes | | Yes | | Yes | |

**NFL:** Narrow Flood **FL:** Flood **SP:** Spot **NW:** Neutral White **WW:** Warm White **W27:** Warm White 2700K **CW:** Cool White

Specifications supplied are nominal. Please refer to the DOE's Lighting Facts Tolerance Guidelines. As a part of a continuous improvement program, specifications can be subject to change and are updated regularly at www.lightages.com.
[1] See dimmer compatibility chart page 29.
[2] 230V Available
[3] Not available or rated for 230V

# DEFINITY™ Lamp Range

| | | MR16 GU10 | | PAR16 | | MR16 | | MR16 Hi-Output | |
|---|---|---|---|---|---|---|---|---|---|
| Comparable Equivalence | | 30W Halogen | | 30W Halogen | | 20W Halogen | | 50W Halogen | |
| Wattage | | 6W | | 6W | | 6W | | 8W | |
| Voltage | | 120 VAC | | 120 VAC | | 12 VDC | | 12 VDC | |
| Beam Angle | | **40°** | **25°** | **40°** | **25°** | **40°** | **25°** | **40°** | **25°** |
| Output (lumens) | W27 | 315 | 315 | 315 | 315 | 245 | 245 | 475 | 475 |
| | WW | 325 | 325 | 325 | 325 | 260 | 260 | 500 | 500 |
| | NW | 345 | 345 | 345 | 345 | 295 | 295 | 515 | 515 |
| | CW | 365 | 365 | 365 | 365 | 424 | 424 | 525 | 525 |
| Center Beam Candle Power (candelas) | | **40°** | **25°** | **40°** | **25°** | **40°** | **25°** | **40°** | **25°** |
| | W27 | 435 | 1050 | 487 | 930 | 487 | 930 | 950 | 2230 |
| | WW | 450 | 1100 | 559 | 978 | 559 | 978 | 1000 | 2323 |
| | NW | 470 | 1150 | 568 | 982 | 568 | 982 | 1045 | 2427 |
| | CW | 510 | 1200 | 860 | 1516 | 860 | 1516 | 1045 | 2536 |
| Efficacy (lm/w) | W27 | 53 | | 53 | | 41 | | 59 | |
| | WW | 54 | | 54 | | 43 | | 63 | |
| | NW | 58 | | 58 | | 49 | | 64 | |
| | CW | 61 | | 61 | | 71 | | 66 | |
| Color Temp | W27 | 2700K | | 2700K | | 2700K | | 2700K | |
| | WW | 3000K | | 3000K | | 3000K | | 3000K | |
| | NW | 4000K | | 4000K | | 4000K | | 4000K | |
| | CW | 5000K | | 5000K | | 5000K | | 5000K | |
| CRI W27/WW/NW/CW | | 85/85/85/67 | | 85/85/85/67 | | 85/85/85/67 | | 83/83/83/67 | |
| Beam Angle | | 25°, 40° | | 25°, 40° | | 25°, 40° | | 25° | |
| Warranty | | 3 years/25,000 hrs. | | 3 years/25,000 hrs. | | 3 years/25,000 hrs. | | 3 years/25,000 hrs. | |
| MOL | | 2.22in, 50.05mm | | 2.372in, 60.26mm | | 1.942in, 49.336mm | | 1.904in, 48.36mm | |
| Rating | | ETL, FCC, RoHS | | ETL, FCC, RoHS | | ETL, FCC, RoHS | | ETL, FCC, RoHS | |
| Dimmable[1] | | No | | No | | Yes[3] | | Yes[3] | |

**NFL:** Narrow Flood **FL:** Flood **SP:** Spot **NW:** Neutral White **WW:** Warm White **W27:** Warm White 2700K **CW:** Cool White

| | | A19 | | DFN19 | | DFN25 | |
|---|---|---|---|---|---|---|---|
| Comparable Equivalence | | 40/60W Incandescent | | 40W Incandescent | | 50W Incandescent | |
| Wattage | | 8.5W / 13.5W | | 8W | | 8W | |
| Voltage | | 120 VAC | | 120 VAC[2] | | 120 VAC[2] | |
| Wattage Equivalence | | 40W(V1)[2] | 60W(V2) | | | | |
| Output (lumens) | W27 | 450 | 800 | W27 | 395 | W27 | 410 |
| | WW | 450 | 800 | WW | 425 | WW | 450 |
| | NW | 475 | 850 | NW | 450 | NW | 475 |
| | CW | 505 | 900 | CW | 570 | CW | 575 |
| Efficacy (lm/w) | W27 | 53 | 59 | 49 | | 51 | |
| | WW | 53 | 59 | 53 | | 56 | |
| | NW | 56 | 63 | 56 | | 59 | |
| | CW | 59 | 67 | 71 | | 72 | |
| Color Temp | W27 | 2700K | 2700K | 2700K | | 2700K | |
| | WW | 3000K | 3000K | 3000K | | 3000K | |
| | NW | 4000K | 4000K | 4000K | | 4000K | |
| | CW | 5000K | 5000K | 5000K | | 5000K | |
| CRI W27/WW/NW/CW | | 85/85/85/85 | 85/85/85/85 | 85/85/85/67 | | 85/85/85/67 | |
| Warranty | | 5 years/25,000 hrs. | 5 years/25,000 hrs. | 5 years/25,000 hrs. | | 5 years/25,000 hrs. | |
| E26 MOL | | 4.284in, 108.82mm | 4.284in, 108.82mm | 4.39in, 111.6mm | | 4.68in, 118.88mm | |
| GU24 MOL | | 4.52in, 114.80mm | 4.52in, 114.80mm | E26 Only | | 4.97in, 126.23mm | |
| Rating | | cUL, FCC, RoHS | cUL, FCC, RoHS | cUL, FCC, RoHS | | cUL, FCC, RoHS | |
| Dimmable[1] | | Yes | Yes | Yes | | Yes | |

**NFL:** Narrow Flood **FL:** Flood **SP:** Spot **NSP:** Narrow Spot **NW:** Neutral White **WW:** Warm White **W27:** Warm White 2700K **CW:** Cool White

Specifications supplied are nominal. Please refer to the DOE's Lighting Facts Tolerance Guidelines. As a part of a continuous improvement program, specifications can be subject to change and are updated regularly at www.lightages.com.
[1] See dimmer compatibility chart page 29.
[2] 230V Available
[3] See transformer compatibility chart page 30.

# Approved Dimmers

## PAR38

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; NOVA NLV-600; Panel Module GP (Harrier) card w/GRX-3503, Grafik Eye; Radio Ra RRD-6NA; Stanza SZ-6ND; Lutron HW-RPM-4U-120, LP-RPM-4U-120, S-600PR, DV-600PR, NLV-600, TG-600PR-WH, AY600P, Q600P, GL600, DV-603PG, S-600, S-600P, LG-600P, D-600PH, TG-603PG, DV-600PR, MAELV-600 OTHER DIMMERS: Ace 34050, 3027596 Leviton 6633-PL, 6684, 6631, IPI06-1LX Legrand DrRD4W

## PAR38 Hi-Output

LUTRON DIMMERS: Interfaces PHPM-WBX w/DVF-103P; Radio Ra RRD-6NA; Lutron DV-603PG, S-600, S-600P, LG-600P , D-600PH, TG-603PG, DV-600PR OTHER DIMMERS: Leviton 6684

## 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, 3027596 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

## PAR30 Short Neck

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

## 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

## A19 Omni-directional

LUTRON DIMMERS: ADRIANI AY600; Commercial Systems QSG-6P, LP-RPM-4A-120; Diva DV-600, DVCL-153P; Interfaces PHPM-WBX, PHPM-WBX w/DVF-103P; Homeworks HW-RPM-4A-120, HxD-6ND; Panel Module CTCL-153P, TTCL-100D, Grafik Eye; Radio Ra RRD-10ND, RRD-6NA; Stanza SZ-6ND; Lutron RRD-10ND, SZ-6ND, HW-RPM-4A-120, HxD-6ND, S-600PR-WH, DV-600PR-WH, TG-600PR-WH, Q600P, GL600, CN-600PHW, DV-603PG, S-600, S-600P, LG-600P, D-600PH, TT-300NLH, TG-603PG, DV-600PR-WH OTHER DIMMERS: Ace 34050, 3027596 Leviton 6633-PL, 6684, 6631, IPI06-1LX Legrand DrRD4W

## BR40

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-WH, DV-600PR-WH, DV-600, DVLV-600, NLV-600, TG-600PR, AY600P, Q600P, GL600, DV-603PG, S-600, S-600P, LG-600P, D-600PH, TG-603PG, DV-600PR, MAELV-600-WH OTHER DIMMERS: Ace 34050, 3027596 Leviton 6633-PL, 6684, 6631, IPI06-1LX Legrand DrRD4W

[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.

## BR30

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

## BR20

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-WH, DV-600PR, DV-600, DVLV-600, NLV-600, TG-600PR, AY600P, GL600, DV-603PG, S-600, S-600P, LG-600P, D-600PH, TG-603PG, DV-600PR, MAELV-600 OTHER DIMMERS: Ace 34050, 3027596 Leviton 6633-PL, 6684, 6631, IPI06-1LX Legrand DrRD4W

## DFN25

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

## DFN19

LUTRON DIMMERS: Commercial Systems QSG-6P, LP-RPM-4A-120; Diva DV-600, DVCL-153P; Interfaces PHPM-WBX; Homeworks HW-RPM-4A-120, HxD-6ND; Radio Ra RRD-10ND; Stanza SZ-6ND; Lutron S-600PR, DV-600PR, TG-600PR, AY600P, GL600, DV-603PG, S-600, S-600P, LG-600P, D-600PH, TT-300NLH, TT-CL100H, TG-603PG, DV-600PR-WH OTHER DIMMERS: Ace 34050, 3027596 Leviton 6633-PL, 6684, 6631, IPI06-1LX Legrand DrRD4W

## 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 |
|---|---|---|
| A19 40 W | 80 W | 7 |
| A19 60 W | 80 W | 7 |
| PAR20 | 80 W | 7 |
| DFN25 | 80 W | 7 |
| PAR30 | 115 W | 5 |
| PAR30SN | 80 W | 7 |
| PAR38 | 115 W | 5 |
| BR20 | 80 W | 7 |
| BR30 | 75 W | 8 |
| BR40 | 90 W | 6 |
| PAR20 HO | 80 W | 7 |
| PAR30 HO | 125 W | 4 |
| PAR38 HO | 125 W | 4 |

# MR16 & MR16HO Transformer Compatability

| Brand | Model | Input Voltage (VAC/Hz) | Power Rating (W) | Type | Number of MR16s per Transformer | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 1 | 2 | 3 | 4 | 5 | 6 |
| Advance | 71A9743 | 120 VAC, 60 Hz | 75 | MT | | | | | | |
| Beal Pritchett (BP) | DINGO60 | 240V, 50Hz | 60 | ET | | | | | | |
| CHD | HUA1200600X2L | 120 VAC, 60 Hz | 60 | ET | | | | | | |
| Crompton | CLED3 | 230-240 VAC, 50-60 Hz | 12 | ET | | N/A | N/A | N/A | N/A | N/A |
| ELG | 250LED100W | 120 VAC, 60 Hz | 100 | ET | | | | | | |
| | 250LED10W | 120 VAC, 60 Hz | 10 | ET | | N/A | N/A | N/A | N/A | N/A |
| | 250AT075T | 120 VAC, 60 Hz | 75 | MT | | | | | | |
| EYE LEDS | 5011922UC | 120 VAC, 60 Hz | 10 | ET | | N/A | N/A | N/A | N/A | N/A |
| EYE LEDS | AZ09 | 230-240 VAC, 50-60 Hz | 12 | ET | | N/A | N/A | N/A | N/A | N/A |
| Hatch | RS12-15M-LED | 120 VAC, 50-60 Hz | 15 | ET | | | N/A | N/A | N/A | N/A |
| | PS12-20L | 120 VAC, 60 Hz | 20 | ET | | | | N/A | N/A | N/A |
| | RS12-30M-LED | 120 VAC, 50-60 Hz | 30 | ET | | | | | N/A | N/A |
| | RS12-60M | 120 VAC, 50-60 Hz | 60 | ET | | | | | | |
| | VS12-60W | 120 VAC, 50-60 Hz | 60 | ET | | | | | | |
| | VS12-60WD | 120 VAC, 50-60 Hz | 60 | ET | | | | | | |
| | RS12-80M | 120 VAC, 50-60 Hz | 80 | ET | | | | | | |
| | RS12-60M-LED | 120 VAC, 50-60 Hz | 60 | ET | | | | | | |
| Hermosa | ET105B60 | 230V, 50Hz | 60 | ET | | | | | | |
| IST | IDM011152 | 230-240 VAC, 50-60 Hz | 11 | ET | | N/A | N/A | N/A | N/A | N/A |
| LCI | i60e | 230 VAC, 50-60 Hz | 60 | ET | | | | | | |
| Lightech | LET-60 | 120 VAC, 50-60 Hz | 60 | ET | | | | | | |
| | LET-75 | 120 VAC, 50-60 Hz | 75 | ET | | | | | | |
| Ligro | E12SC50SA | 230 VAC | 50 | MT | | | | | | |
| Luxalite | GD32LH | 220-240 VAC, 50-60 Hz | 55 | ET | | | | | | |
| Lumex | MTR50/12 EN-61558 | 220VAC, 50 Hz | 50 | MT | | | | | | |
| MDL | 319-0103 | 120 VAC, 50-60 Hz | 10 | ET | | N/A | N/A | N/A | N/A | N/A |
| Mirano | BLNET-L50C 50W | 220 VAC, 50-60Hz | 50 | ET | | | | | | |
| Niko | 320-00112 | 230 VAC, 50 Hz | 105 | ET | | | | | | |
| Nobile | EN-80D | 230 VAC, 50-60 Hz | 80 | ET | | | | | | |
| | EN-80D2 | 230 VAC, 50-60 Hz | 80 | ET | | | | | | |
| | EN-110D | 230 VAC, 50-60 Hz | 110 | ET | | | | | | |
| | EN-110D2 | 230 VAC, 50-60 Hz | 110 | ET | | | | | | |
| Osram | ET-REDBACK | 230-240 VAC, 50-60 Hz | 60 | ET | | | | | | |
| | HTM 150/230-240 | 230-240 VAC, 50-60 Hz | 150 | ET | | | | | | |
| Philips | Primaline 105 230-240 | 230-240 VAC, 50-60 Hz | 105 | ET | | | | | | |
| | Xitanium 10W Dimmable | 220-240 VAC, 50-60 Hz | 10 | ET | | N/A | N/A | N/A | N/A | N/A |
| | ET-S60220-240 | 220-240 VAC, 50-60 Hz | 60 | ET | | | | | | |
| | 9137-100-536 | 220-240 VAC, 50-60 Hz | 10 | ET | | N/A | N/A | N/A | N/A | N/A |
| | 9137-100-538 | 220-240 VAC, 50-60 Hz | 30 | ET | | | | | N/A | N/A |
| Sunrise | H0050-497 | 120 VAC, 50-60 Hz | 50 | MT | | | | | | |
| Teca | 100D8512S | 120VAC, 60 Hz | 100 | MT | | | | | | |
| Tridonic | TM50-2 | 240VAC, 50-60Hz | 50 | MT | | | | | | |
| | VIPER 22176074 | 230-240 VAC, 50-60 Hz | 105 | ET | | | | | | |
| | VIPER 22176072 | 230-240 VAC, 50-60 Hz | 105 | ET | | | | | | |
| | Possum | 230-240 VAC, 50-60 Hz | 3.45 | ET | | | | | | |
| VadsBO | SET70RE-1 | 220-240 VAC, 50 Hz | 70 | ET | | | | | | |
| Vike | VB60PL | 230-240 VAC, 50-60 Hz | 60 | ET | | | | | | |
| Vossloh Schwabe | EST 70/12.380 | 230-240 VAC, 50-60 Hz | 70 | ET | | | | | | |
| | EST 105/12.381 | 230-240 VAC, 50-60 Hz | 105 | ET | | | | | | |
| | EST 150/12.622 | 230-240 VAC, 50-60 Hz | 150 | ET | | | | | | |
| WAC | EN-12100-R-AR | 120 VAC, 50-60 Hz | 100 | ET | | | | | | |
| Wang | WH-601E2CA-2L | 120 VAC, 60 Hz | 60 | ET | | | | | | |

ET - Electronic Transformer MT - Magnetic Transformer N/A - Exceeds Transformer Recommended Power

Good Flickers MR16HO Good / MR16 Flickers

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