

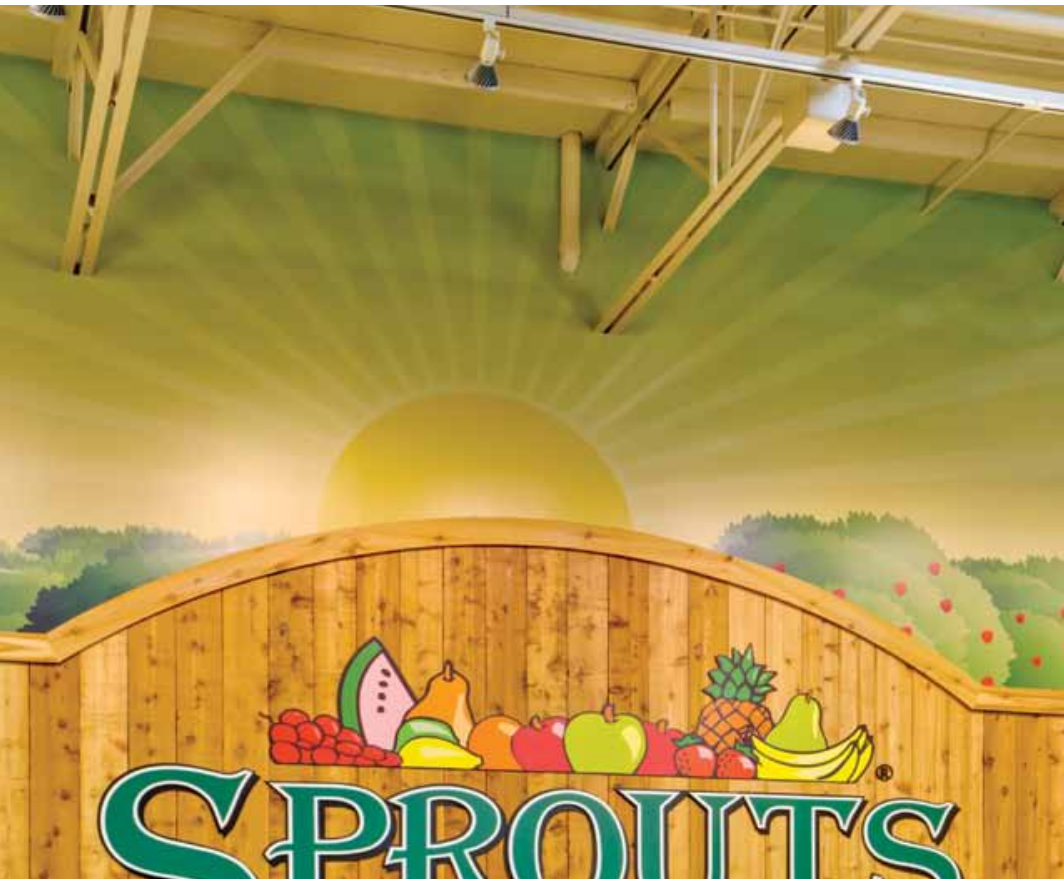
DEFINITY™

Infinately 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



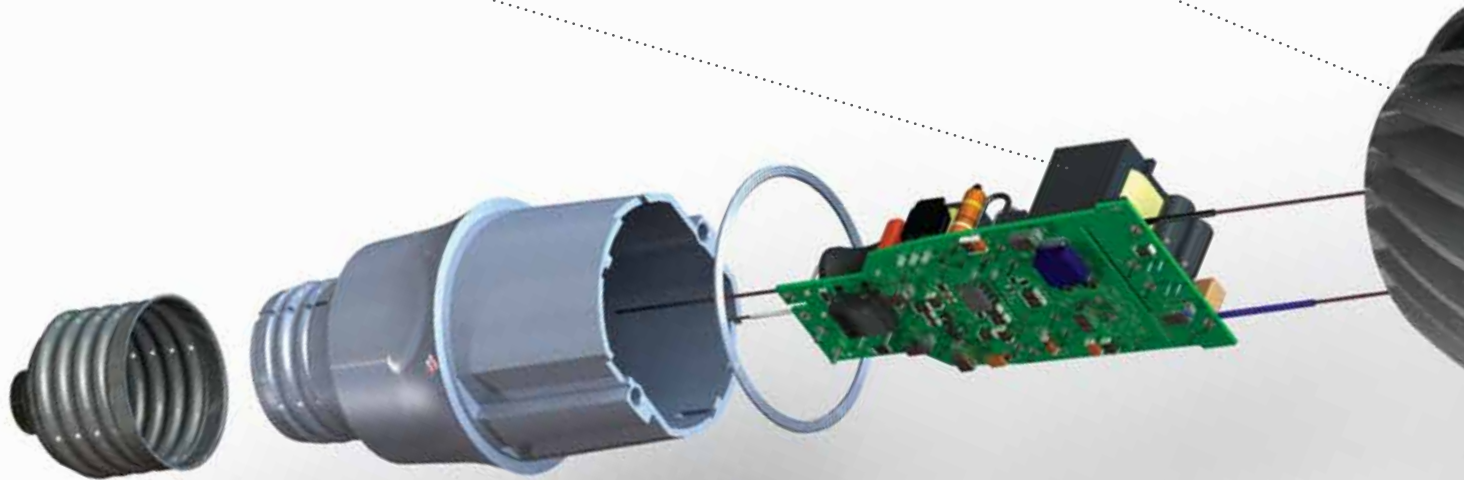
Full Line Dimmability¹

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.



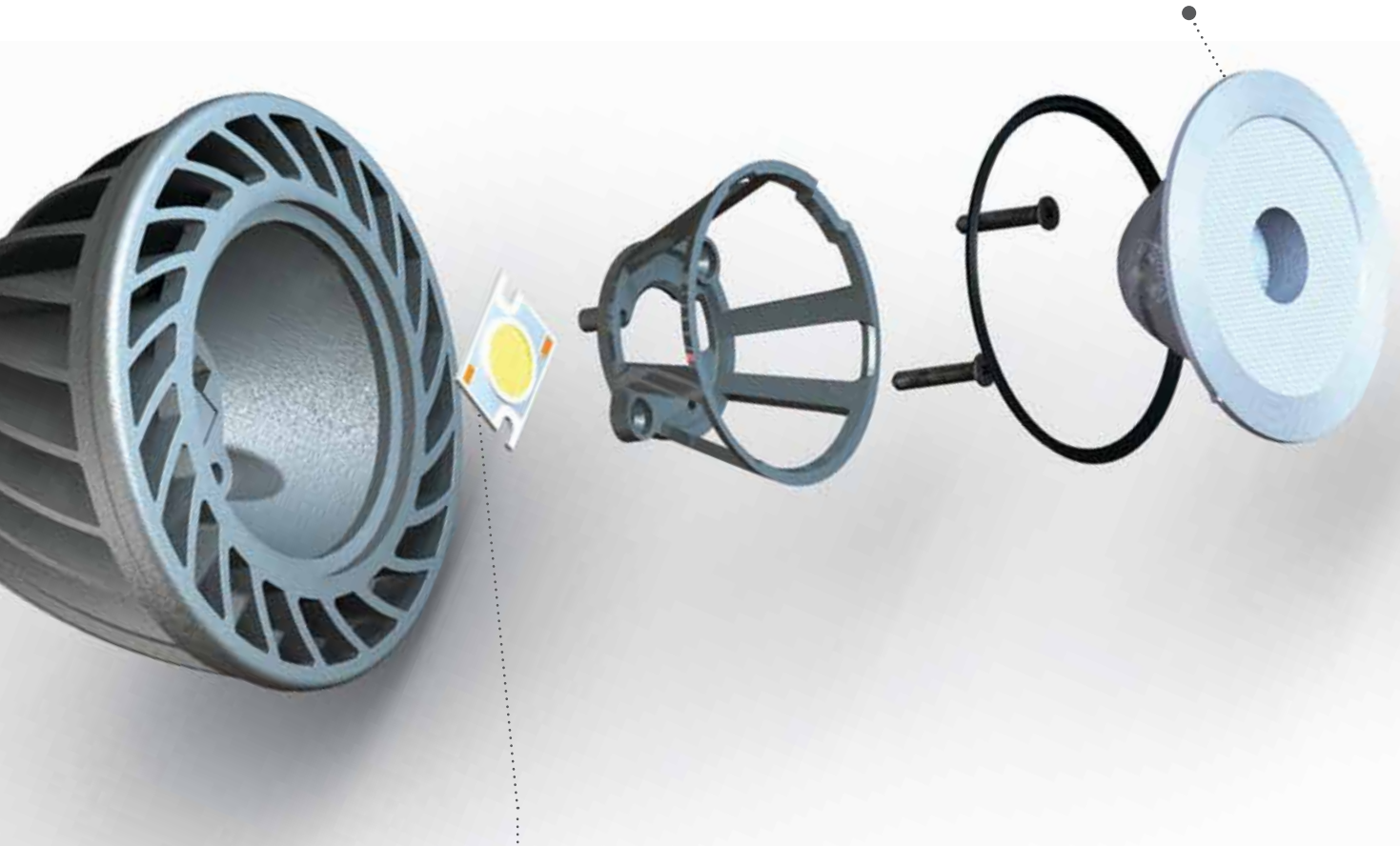
Sized to Fit

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.



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.

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

PAR38 / PAR38 HI-OUTPUT



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 SAVINGS²

Standard Halogen

PAR38

Maintenance Cost

\$15

Annual Savings²

\$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 |

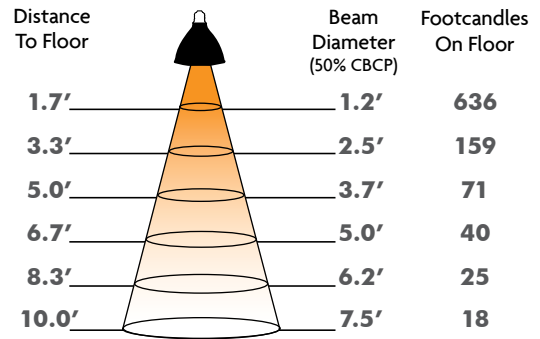
PAR38 Hi-Output ★

| 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 |

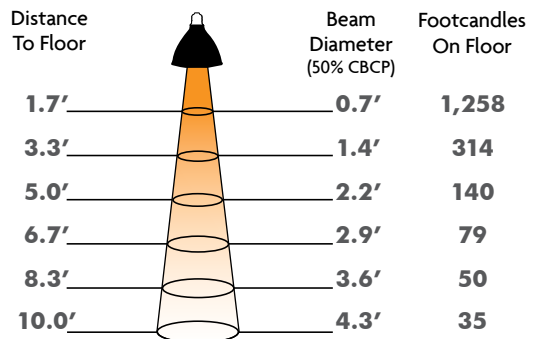
FL: Flood NFL: Narrow Flood SP: Spot NW: Neutral White WW: Warm White W27: Warm White 2700K
CW: Cool White CBCP: Center Beam Candle Power

0° AIMING FOOTCANDLES

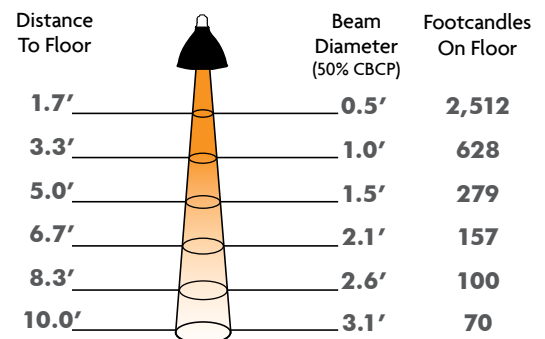
DFN 38 NW FL 120



DFN 38 W27 NFL 120



DFN 38 NW SP 120



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

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



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 RoHS COMPLIANT cUL US LISTED FC WET | ENVIRONMENT | 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 SAVINGS²

| 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



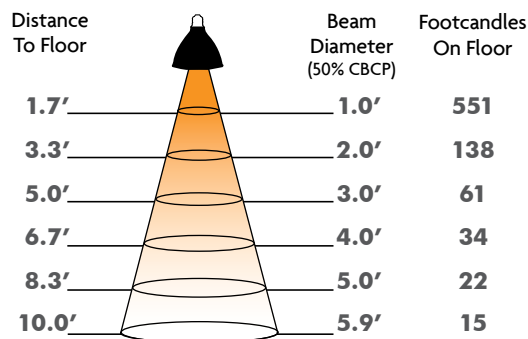
PAR30 Short Neck

| 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 |

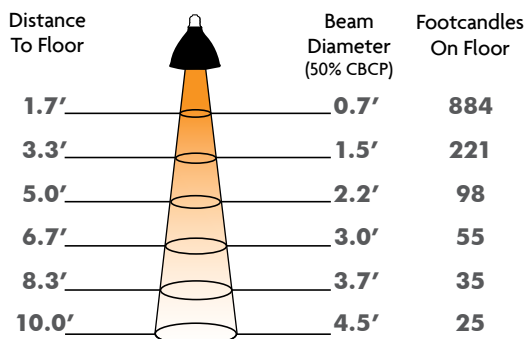
FL: Flood NFL: Narrow Flood NSP: Narrow Spot NW: Neutral White WW: Warm White
W27: Warm White 2700K CW: Cool White CBCP: Center Beam Candle Power

0° AIMING FOOTCANDLES

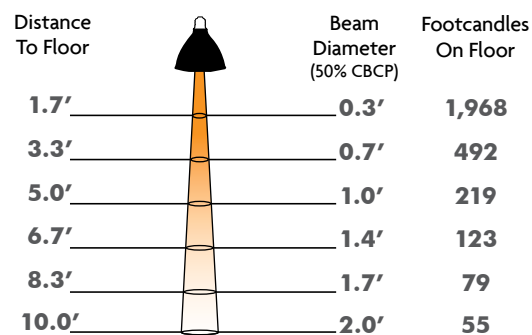
DFN 30SN WW FL 120



DFN 30SN WW NFL 120




DFN 30SN WW NSP 120



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.

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



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



ENVIRONMENT



PAR30 Short Neck Diameter & MOL

E26 MOL: 3.51in, 89.26mm

E26 Diameter: 3.74in, 94.87mm

PAR30 / PAR30 HI-OUTPUT



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 SAVINGS²

Standard Halogen

PAR30

Maintenance Cost

\$23

Electricity Cost

\$25

Annual Savings²

\$41

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

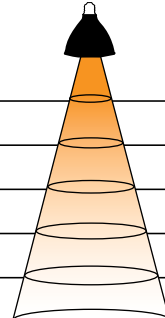
| Part Number | Wattage | Beam Angle | Lumens | CRI | CBCP |
|-----------------------|---------|------------|--------|-----|------|
| DFN 30 NW V2 FL 120 | 18W | 40 | 1000 | 85 | 1800 |
| DFN 30 WW V2 FL 120 | 18W | 40 | 950 | 85 | 1700 |
| DFN 30 W27 V2 FL 120 | 18W | 40 | 920 | 85 | 1600 |
| DFN 30 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

0° AIMING FOOTCANDLES

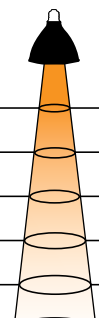
DFN 30 W27 FL 120

| 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 |



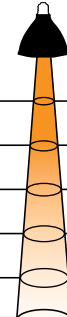
DFN 30 W27 NFL 120

| 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.

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



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 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: 3.779in, 96mm | GU24 Diameter: 3.78in, 96.01mm |

PAR20



DEFINITY™ PAR20 & PAR20 Hi-Output

FEATURES

- Dimmable to 5% of light on most dimmers¹
- 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 SAVINGS²

Standard Halogen

PAR20

Maintenance Cost

\$15

Electricity Cost

\$17

Annual Savings²

\$27

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 |

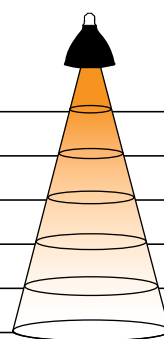
FL: Flood NFL: Narrow Flood NW: Neutral White WW: Warm White W27: Warm White 2700K
 CW: Cool White CBCP: Center Beam Candle Power



0° AIMING FOOTCANDLES

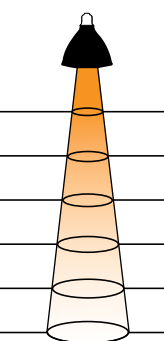
DFN 20 W27 FL 120

| 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 |







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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

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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 | | 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 SAVINGS²

Standard Incandescent BR30

Maintenance Cost
\$19

Electricity Cost
\$25

Annual Savings²
\$37

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



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.





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



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 | ENVIRONMENT |
|---|---|
|    |  |

PAR16 & MR16 GU10



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 SAVINGS¹

Standard Halogen

GU10

Maintenance Cost

\$13

Annual Savings¹

\$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

PAR16² ⬤

| 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 GU10² ⬤

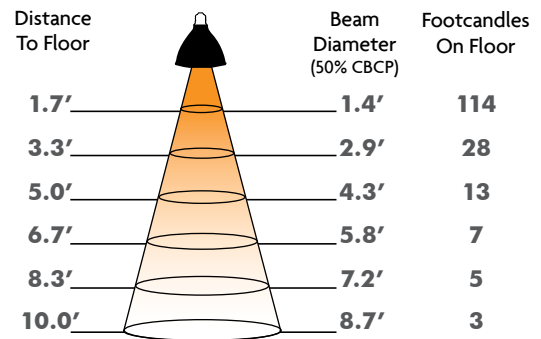
| Part Number | Wattage | Beam Angle | Lumens | CRI | CBCP |
|-------------------------|---------|------------|--------|-----|------|
| DFN 16 NW FL 120 GU10 | 6W | 40 | 345 | 85 | 470 |
| DFN 16 WW FL 120 GU10 | 6W | 40 | 325 | 85 | 450 |
| DFN 16 W27 FL 120 GU10 | 6W | 40 | 315 | 85 | 435 |
| DFN 16 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



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.

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



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 ² | WW Warm White 3000K | NFL Narrow Flood | | |
| | | NW Neutral White 4000K | | | |
| | | CW Cool White 5000K | | | |

NORTH AMERICAN CERTIFICATIONS



ENVIRONMENT



PAR16

E26 MOL: 2.372in, 60.26mm

E26 Diameter: 1.969in, 50.26mm

MR16 GU10

GU10 MOL: 2.22in, 56.50mm

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 dissipation.
- 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 SAVINGS²

Standard Halogen MR16 HI-OUTPUT

Maintenance Cost
\$16

Electricity Cost
\$16

Annual Savings²
\$26

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-Output³ ⚡

| 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



0° AIMING FOOTCANDLES

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.



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

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 SAVINGS²

Standard Halogen

MR16

Maintenance Cost
\$16

Electricity Cost
\$7

Annual Savings²
\$19

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

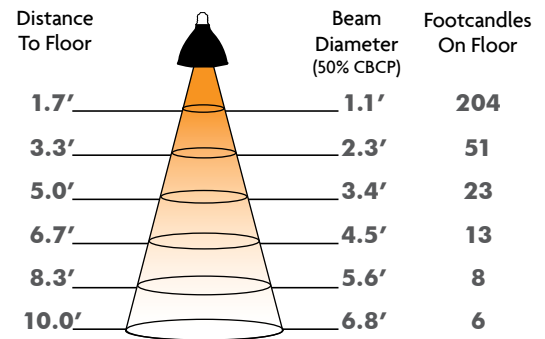
| Part Number | Wattage | Beam Angle | Lumens | CRI | CBCP |
|----------------|---------|------------|--------|-----|------|
| DFN 16 NW FL | 6W | 40 | 295 | 85 | 568 |
| DFN 16 WW FL | 6W | 40 | 260 | 85 | 559 |
| DFN 16 W27 FL | 6W | 40 | 245 | 85 | 487 |
| DFN 16 CW FL | 6W | 40 | 424 | 67 | 860 |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

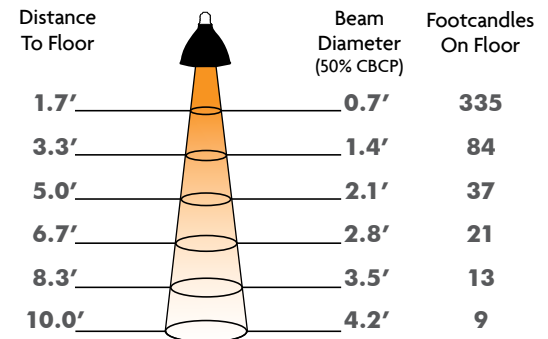


0° AIMING FOOTCANDLES

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.



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

16 MOL: 1.942in, 49.336mm

Diameter: 1.97in, 50.052mm

A19



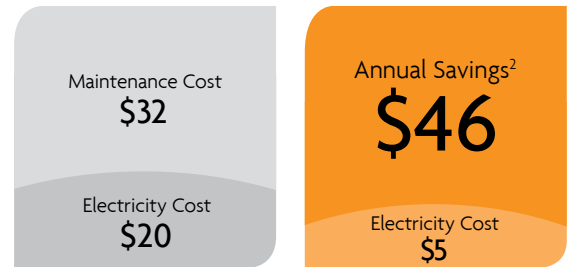
DEFINITY™ A19

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 SAVINGS²

Standard Incandescent A19 V2



A19 V2 Lifetime Savings: \$815

Standard Incandescent

Wattage
60W

Lifetime
1,000 hrs



Up to **78%** energy savings



A19 V2

Wattage
13.5W

Lifetime
50,000 hrs


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.



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 | |
|  |  |  |  | E26 MOL: 4.284in, 108.82mm | GU24 MOL: 4.52in, 114.8mm |
| | | | | E26 Diameter: 2.22in, 56.33mm | GU24 Diameter: 2.22in, 56.33mm |



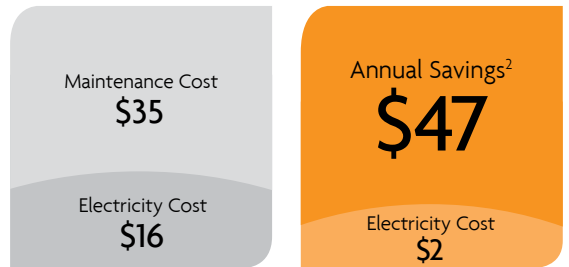
DEFINITY™ DFN19 & DFN25

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 SAVINGS²

Standard Incandescent DFN25



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




LightingScience[®]
 Welcome to the Light Ages[™]






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



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



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 | | ENVIRONMENT | | |
|    | |   | | |
| | | | | |
| | | 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



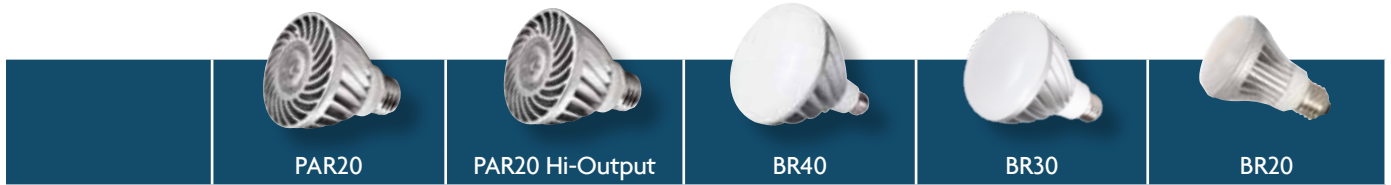
PAR30 Hi-Output



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° | 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



| 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

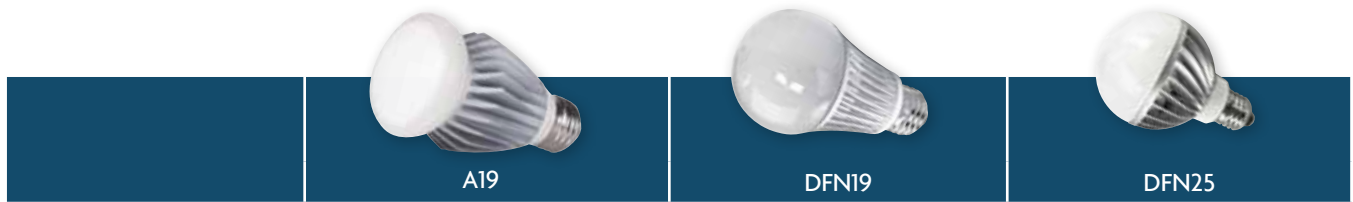
Specifications supplied are nominal. Please refer to the DOE's Lighting Facts Tolerance Guidelines. As a part of a continuous improvement program, specifications can be subject to change and are updated regularly at www.lightages.com.
¹ See dimmer compatibility chart page 29.
² 230V Available
³ Not available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

DEFINITY™ Lamp Range



| 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) | 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



| 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, TT-300NLH, 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



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



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



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



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.

Recommended number of lamps per 600 watt dimmer¹

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 Compatibility

| 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 LEADS | 5011922UC | 120 VAC, 60 Hz | 10 | ET | | N/A | N/A | N/A | N/A | N/A |
| EYE LEADS | 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



Corporate Office
1227 S. Patrick Drive
Satellite Beach, Florida 32937

t: 1.321.779.5520
t: 1.877.999.5742
f: 1.321.779.5521

www.lsgc.com

