JUNO

# 2" IC 600 AND 1000 LUMENS LED ROUND DOWNLIGHT CONE

## 2LEDTRIM G2 DC

Project:

Fixture Type:

Location:

Contact/Phone:



## PRODUCT DESCRIPTION

2 inch aperture recessed downlight is IC rated for insulated or non-insulated applications • Luminaire produces up to 1000 lumens and is available with optical distributions approximating that of 75W MR16 halogen lamps • Low profile form factor allows luminaire to fit in 2 x 6 construction • Designed to provide 50,000 hours of life • 5 year limited warranty on LED Components.

## ENVIRONMENTALLY FRIENDLY, ENERGY EFFICIENT

- No harmful ultraviolet or infrared wavelengths
- No lead or mercury, RoHS compliant
- Comparable light output up to a 75W MR16 halogen lamp

## PRODUCT SPECIFICATIONS

**LED Light Engine** Exceptional fixture to fixture color consistency within a 3-step MacAdam ellipse • 2700K, 3000K, 3500K, and 4000K color temperatures are available with 80 CRI or 90 CRI minimum.

**Modular Optics** Available with field interchangeable optics in 18° Spot, 24° Narrow Flood, or 40° Flood distributions.

**Aesthetic Trim** Trim features die cast beveled knife edge trim ring for clean ceiling interface available in white, black, satin nickel, or brushed bronze • Spun aluminum reflectors are available in clear, haze, wheat haze, black and white finishes.

**LED Driver** Choice of dedicated 120 volt (120) driver or universal voltage (MVOLT) driver that accommodates input voltages from 120-277 volts AC at 50/60Hz • Power factor > 0.9 • Dedicated 120 volt driver (120) is dimmable with the use of most incandescent, magnetic low voltage and electronic low voltage dimmers • Universal voltage driver (MVOLT) is dimmable with the use of most 0-10V protocol dimmers • For a list of compatible dimmers, see JUNO2ING2-DIM.

**Life** Rated for 50,000 hours at 70% lumen maintenance.

**Labels** ENERGY STAR® Certified • 90CRI fixtures are certified to the high efficacy requirements of California T24 JA8-2016 • Meets energy code Air Leakage requirements per ASTM E283 • UL and cUL listed for wet locations • 2NCHSG option is compatible with spray foam insulation with an R-value of 3.2 per inch or less.

**Junction Box** Includes (2) ½" knock-outs equipped with pryout slots • Push-in electrical connectors for field connections.

**Mounting** Remodel style plaster frame installs from below the ceiling and accommodates ceiling thicknesses from ½" to 1" • For thicker ceilings up to 1 ½", order 2JCTA150 • New Construction mounting frame, 2NCMF, is also available with Patented (US Patent D552,969) Real Nail 3® telescoping bar hangers to position fixture and locate wiring prior to ceiling installation • Recommend a minimum of 5.5" cavity depth to install properly • Flexible supply is recommended and non-flexible supply requires top access.

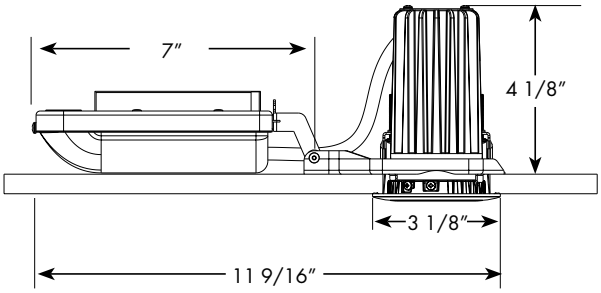
**Real Nail 3 Bar Hangers** 2NCHSG new construction housing and new construction mounting frame, 2NCMF, available with telescoping Real Nail® 3 system which permits quick placement of housing anywhere within 24" O.C. joists or suspended ceilings • Includes removable nail for repositioning of fixture in wood joist construction • Integral T-bar notch and clip for suspended ceilings • Design covered under US Patent D552,969 • 2NCHSG requires 2x8 construction

Specifications subject to change without notice.

### Downlight Cone Finishes




## DIMENSIONS




2 5/8" CEILING CUTOUT
2" APERTURE

### ELECTRICAL DATA (600L)

| | Dedicated 120V (120) | Universal Voltage (MVOLT) | |
|---|---|---|---|
| Voltage | 120 | 120 | 277 |
| Input Power | 7.5 (±5%) | 7.2 | 7.5 (±5%) |
| Input Current | .06 | .06 | .03 |
| Frequency | 50/60Hz | 50/60Hz | |
| Power Factor | >0.9 | >0.9 | >0.9 |

### ELECTRICAL DATA (1000L)

| | Dedicated 120V (120) | Universal Voltage (MVOLT) | |
|---|---|---|---|
| Voltage | 120 | 120 | 277 |
| Input Power | 11.5 (±5%) | 10.9 | 11.4 (±5%) |
| Input Current | .10 | .09 | .04 |
| Frequency | 50/60Hz | 50/60Hz | |
| Power Factor | >0.9 | >0.9 | >0.9 |


Printed in U.S.A. ©2015-2020 Acuity Brands Lighting, Inc. Rev. 09/8/20

# 2" IC 600 AND 1000 LUMENS LED ROUND DOWNLIGHT CONE 2LEDTRIM G2 DC

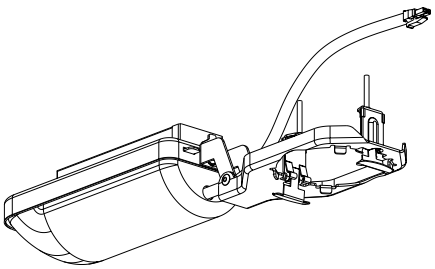
## ORDERING INFORMATION DRIVER AND TRIM EACH ORDERED SEPARATELY.

### DRIVER:

**Example:** 2LEDDRIVER G2 06LM 120 FRPC

| Series | | Generation | | Lumens | | Voltage | | Driver | |
|---|---|---|---|---|---|---|---|---|---|
| **2LEDDRIVER** | Juno Recessed 2" Driver | **G2** | Generation 2 | **06LM** | 600 Nominal Lumens | **120** | 120V | **FRPC** | Forward/Reverse Phase Cut |
| | | | | **10LM** | 1000 Nominal Lumens | **MVOLT** | Multi-Volt (120-277V) | **ZT** | 0-10V Dimming |

Note: 120V must be ordered with FRPC.
MVOLT must be ordered with ZT



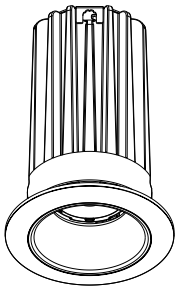
MOUNTING FRAME/DRIVER ASSEMBLY

Note: Driver assembly only intended for use with Gen2 LED trim modules.
Not backward compatible with previous generation.

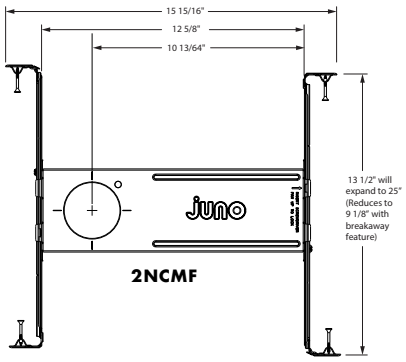
### TRIM:

**Example:** 2LEDTRIM G2 DC 27K 80CRI FL BBL

| Series | | Generation | | Trim Designation | | Color Temperature | | CRI | | Distribution | | Trim Finish | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **2LEDTRIM** | Juno Recessed 2" LED Trim | **G2** | Generation 2 | **DC** | Downlight Cone | **27K** | 2700K | **80CRI** | 80+ CRI | **FL** | Flood | **BBL** | Black Reflector, Black Trim Ring |
| | | | | | | **30K** | 3000K | **90CRI** | 90+ CRI | **NFL** | Narrow Flood | **BWH** | Black Reflector, White Trim Ring |
| | | | | | | **35K** | 3500K | | | **SP** | Spot | **CWH** | Clear Alzak Reflector, White Trim Ring |
| | | | | | | **40K** | 4000K | | | | | **HZWH** | Haze Reflector, White Trim Ring |
| | | | | | | | | | | | | **WWH** | White Reflector, White Trim Ring |
| | | | | | | | | | | | | **WHZBRZ** | Wheat Haze Reflector, Bronze Trim Ring |
| | | | | | | | | | | | | **HZSN** | Haze Reflector, Satin Nickel Trim Ring |

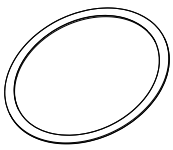


TRIM/LED ASSEMBLY

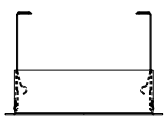



**2NCMF**

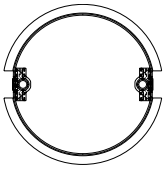
| Catalog No. | Description |
|---|---|
| **2NCMF** | New Construction Mounting Frame with Real Nail® 3 bar hangers |
| **2NCHSG** | 2" New Construction Housing for spray foam installation |
| **2DTCA** | 2" LED Drop Tile Ceiling Adapter |
| **2JCTA150** | Thick Ceiling adapter for 1" - 1½" thick ceiling |
| **LEDOPTIC2 SP** | 18° Spot Optic |
| **LEDOPTIC2 NFL** | 24° Narrow Flood Optic |
| **LEDOPTIC2 FL** | 40° Flood Optic |

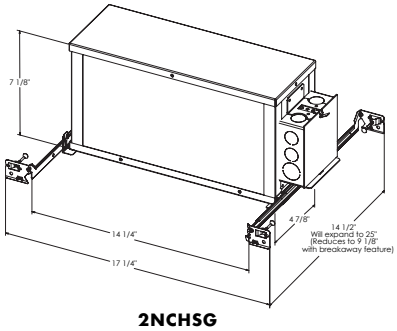


**2DTCA**



**2JCTA150**






**2NCHSG**

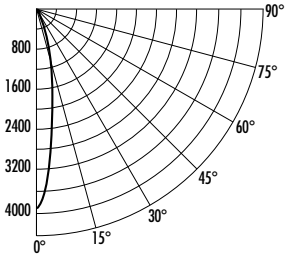
 ©2015-2020 Acuity Brands Lighting, Inc. 

# 2" IC 600 AND 1000 LUMENS LED ROUND DOWNLIGHT CONE 2LEDTRIM G2 DC

## PHOTOMETRICS

### PHOTOMETRIC REPORT

**Test Report#:** PT07162131
**Catalog No:** 2LEDTRIM G2 DC 35K 80CRI SP CWH (600L), Clear Cone with Spot Optic
**Luminaire Spacing Criteria:** 0.34
**Luminaire LPW:** 103




### CANDLEPOWER DISTRIBUTION (Candelas)

| Degrees Vertical | 0° |
|---|---|
| 0 | 3972 |
| 5 | 3449 |
| 15 | 1007 |
| 25 | 318 |
| 35 | 53 |
| 45 | 12 |
| 55 | 2 |
| 65 | 0 |
| 75 | 0 |
| 85 | 0 |
| 90 | 0 |

### AVERAGE INITIAL FOOTCANDLES

**Multiple Units (Square Array, 60'x60' room)**
Reflectances: Ceiling 80%, Wall 50%, Floor 20%

| Spacing | RCR1 | RCR3 | RCR5 |
|---|---|---|---|
| 4' | 55 | 50 | 46 |
| 5' | 35 | 32 | 29 |
| 6' | 24 | 22 | 20 |
| 7' | 20 | 18 | 17 |
| 8' | 16 | 14 | 13 |
| 9' | 12 | 11 | 10 |
| 10' | 9 | 8 | 7 |

### ZONAL LUMEN SUMMARY

| Zone | Lumens | %Lamp | %Fixture |
|---|---|---|---|
| 0-30° | 718 | N/A | 92.8 |
| 0-40° | 762 | N/A | 98.5 |
| 0-60° | 774 | N/A | 100.0 |
| 0-90° | 774 | N/A | 100.0 |

### INITIAL FOOTCANDLES

**(One Unit, 7.5W, 19.6° Beam)**

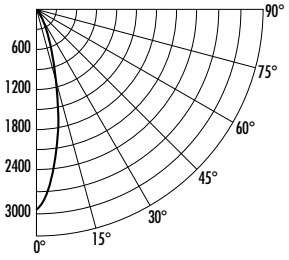
| Distance to Illuminated Plane (Feet) | Footcandles Beam Center | Beam Diameter |
|---|---|---|
| 4' | 248.3 | 1.4 |
| 6' | 110.3 | 2.1 |
| 8' | 62.1 | 2.8 |
| 10' | 39.7 | 3.5 |
| 12' | 27.6 | 4.1 |

### LUMINANCE (Average cd/m²)

| Degrees | Average Luminance |
|---|---|
| 45° | 6383 |
| 55° | 1455 |
| 65° | 0 |
| 75° | 0 |
| 85° | 0 |

### PHOTOMETRIC REPORT

**Test Report#:** PT07162136
**Catalog No:** 2LEDTRIM G2 DC 35K 80CRI NFL CWH (600L), Clear Cone with Narrow Flood Optic
**Luminaire Spacing Criteria:** 0.42
**Luminaire LPW:** 100




### CANDLEPOWER DISTRIBUTION (Candelas)

| Degrees Vertical | 0° |
|---|---|
| 0 | 2963 |
| 5 | 2681 |
| 15 | 1032 |
| 25 | 344 |
| 35 | 64 |
| 45 | 11 |
| 55 | 3 |
| 65 | 0 |
| 75 | 0 |
| 85 | 0 |
| 90 | 0 |

### AVERAGE INITIAL FOOTCANDLES

**Multiple Units (Square Array, 60'x60' room)**
Reflectances: Ceiling 80%, Wall 50%, Floor 20%

| Spacing | RCR1 | RCR3 | RCR5 |
|---|---|---|---|
| 4' | 53 | 48 | 43 |
| 5' | 34 | 30 | 28 |
| 6' | 23 | 21 | 19 |
| 7' | 19 | 17 | 16 |
| 8' | 15 | 14 | 12 |
| 9' | 11 | 10 | 9 |
| 10' | 8 | 8 | 7 |

### ZONAL LUMEN SUMMARY

| Zone | Lumens | %Lamp | %Fixture |
|---|---|---|---|
| 0-30° | 686 | N/A | 91.8 |
| 0-40° | 735 | N/A | 98.3 |
| 0-60° | 747 | N/A | 100.0 |
| 0-90° | 747 | N/A | 100.0 |

### INITIAL FOOTCANDLES

**(One Unit, 7.5W, 24.3° Beam)**

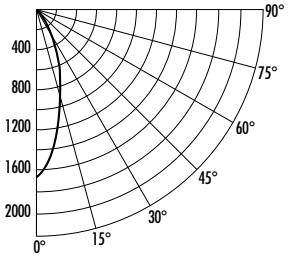
| Distance to Illuminated Plane (Feet) | Footcandles Beam Center | Beam Diameter |
|---|---|---|
| 4' | 185.2 | 1.7 |
| 6' | 82.3 | 2.6 |
| 8' | 46.3 | 3.4 |
| 10' | 29.6 | 4.3 |
| 12' | 20.6 | 5.2 |

### LUMINANCE (Average cd/m²)

| Degrees | Average Luminance |
|---|---|
| 45° | 5900 |
| 55° | 1785 |
| 65° | 0 |
| 75° | 0 |
| 85° | 0 |

### PHOTOMETRIC REPORT

**Test Report#:** PT07162141
**Catalog No:** 2LEDTRIM G2 DC 35K 80CRI FL CWH (600L), Clear Cone with Flood Optic
**Luminaire Spacing Criteria:** 0.58
**Luminaire LPW:** 103




### CANDLEPOWER DISTRIBUTION (Candelas)

| Degrees Vertical | 0° |
|---|---|
| 0 | 1669 |
| 5 | 1524 |
| 15 | 968 |
| 25 | 519 |
| 35 | 167 |
| 45 | 21 |
| 55 | 3 |
| 65 | 0 |
| 75 | 0 |
| 85 | 0 |
| 90 | 0 |

### AVERAGE INITIAL FOOTCANDLES

**Multiple Units (Square Array, 60'x60' room)**
Reflectances: Ceiling 80%, Wall 50%, Floor 20%

| Spacing | RCR1 | RCR3 | RCR5 |
|---|---|---|---|
| 4' | 54 | 48 | 43 |
| 5' | 35 | 31 | 28 |
| 6' | 24 | 21 | 19 |
| 7' | 20 | 17 | 15 |
| 8' | 15 | 14 | 12 |
| 9' | 12 | 10 | 9 |
| 10' | 9 | 8 | 7 |

### ZONAL LUMEN SUMMARY

| Zone | Lumens | %Lamp | %Fixture |
|---|---|---|---|
| 0-30° | 644 | N/A | 83.1 |
| 0-40° | 752 | N/A | 97.1 |
| 0-60° | 775 | N/A | 100.0 |
| 0-90° | 775 | N/A | 100.0 |

### INITIAL FOOTCANDLES

**(One Unit, 7.5W, 35.7° Beam)**

| Distance to Illuminated Plane (Feet) | Footcandles Beam Center | Beam Diameter |
|---|---|---|
| 4' | 104.3 | 2.6 |
| 6' | 46.4 | 3.9 |
| 8' | 26.1 | 5.2 |
| 10' | 16.7 | 6.4 |
| 12' | 11.6 | 7.7 |

### LUMINANCE (Average cd/m²)

| Degrees | Average Luminance |
|---|---|
| 45° | 11157 |
| 55° | 1785 |
| 65° | 0 |
| 75° | 0 |
| 85° | 0 |

Fixtures tested to IES recommended standard for solid state lighting per LM-79-08. Photometric performance on a single unit represents a baseline of performance for the fixture. Results may vary in the field.

| Multiplier: | 80 CRI | 90 CRI |
|---|---|---|
| | 27K = .94 | 27K = .83 |
| | 30K = .97 | 30K = .86 |
| | 35K = 1.00 | 35K = .88 |
| | 40K = 1.03 | 40K = .90 |

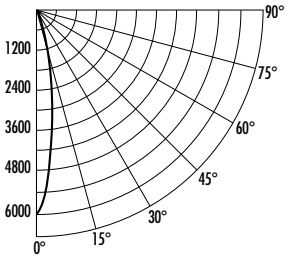

©2015-2020 Acuity Brands Lighting, Inc.

# 2" IC 600 AND 1000 LUMENS LED ROUND DOWNLIGHT CONE 2LEDTRIM G2 DC

## PHOTOMETRICS

### PHOTOMETRIC REPORT

**Test Report#:** PT07162131R
**Catalog No:** 2LEDTRIM G2 DC 35K 80CRI SP CWH (1000L), Clear Cone with Spot Optic
**Luminaire Spacing Criteria:** 0.34
**Luminaire LPW:** 102




### CANDLEPOWER DISTRIBUTION (Candelas)

| Degrees Vertical | 0° |
|---|---|
| 0 | 5997 |
| 5 | 5209 |
| 15 | 1520 |
| 25 | 481 |
| 35 | 80 |
| 45 | 18 |
| 55 | 3 |
| 65 | 0 |
| 75 | 0 |
| 85 | 0 |
| 90 | 0 |

### AVERAGE INITIAL FOOTCANDLES

**Multiple Units (Square Array, 60'x60' room)**
Reflectances: Ceiling 80%, Wall 50%, Floor 20%

| Spacing | RCR1 | RCR3 | RCR5 |
|---|---|---|---|
| 4' | 83 | 75 | 69 |
| 5' | 53 | 48 | 44 |
| 6' | 37 | 33 | 31 |
| 7' | 30 | 27 | 25 |
| 8' | 23 | 21 | 20 |
| 9' | 18 | 16 | 15 |
| 10' | 13 | 12 | 11 |

### ZONAL LUMEN SUMMARY

| Zone | Lumens | %Lamp | %Fixture |
|---|---|---|---|
| 0-30° | 1085 | N/A | 92.8 |
| 0-40° | 1151 | N/A | 98.5 |
| 0-60° | 1168 | N/A | 100.0 |
| 0-90° | 1169 | N/A | 100.0 |

### INITIAL FOOTCANDLES

**(One Unit, 11.5W, 19.6° Beam)**

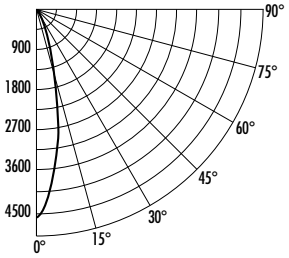
| Distance to Illuminated Plane (Feet) | Footcandles Beam Center | Beam Diameter |
|---|---|---|
| 4' | 374.8 | 1.4 |
| 6' | 166.6 | 2.1 |
| 8' | 93.7 | 2.8 |
| 10' | 60.0 | 3.5 |
| 12' | 41.6 | 4.1 |

### LUMINANCE (Average cd/m²)

| Degrees | Average Luminance |
|---|---|
| 45° | 9638 |
| 55° | 2197 |
| 65° | 0 |
| 75° | 0 |
| 85° | 0 |

### PHOTOMETRIC REPORT

**Test Report#:** PT07162136R
**Catalog No:** 2LEDTRIM G2 DC 35K 80CRI NFL CWH (1000L), Clear Cone with Narrow Flood Optic
**Luminaire Spacing Criteria:** 0.42
**Luminaire LPW:** 99




### CANDLEPOWER DISTRIBUTION (Candelas)

| Degrees Vertical | 0° |
|---|---|
| 0 | 4533 |
| 5 | 4102 |
| 15 | 1579 |
| 25 | 526 |
| 35 | 98 |
| 45 | 17 |
| 55 | 4 |
| 65 | 0 |
| 75 | 0 |
| 85 | 0 |
| 90 | 0 |

### AVERAGE INITIAL FOOTCANDLES

**Multiple Units (Square Array, 60'x60' room)**
Reflectances: Ceiling 80%, Wall 50%, Floor 20%

| Spacing | RCR1 | RCR3 | RCR5 |
|---|---|---|---|
| 4' | 81 | 73 | 66 |
| 5' | 52 | 47 | 43 |
| 6' | 36 | 32 | 30 |
| 7' | 29 | 26 | 24 |
| 8' | 23 | 21 | 19 |
| 9' | 18 | 16 | 14 |
| 10' | 13 | 12 | 11 |

### ZONAL LUMEN SUMMARY

| Zone | Lumens | %Lamp | %Fixture |
|---|---|---|---|
| 0-30° | 1049 | N/A | 91.8 |
| 0-40° | 1124 | N/A | 98.3 |
| 0-60° | 1143 | N/A | 100.0 |
| 0-90° | 1143 | N/A | 100.0 |

### INITIAL FOOTCANDLES

**(One Unit, 11.5W, 24.3° Beam)**

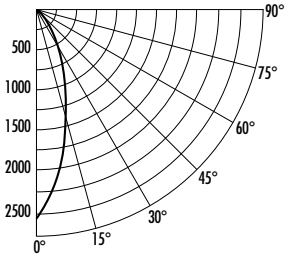
| Distance to Illuminated Plane (Feet) | Footcandles Beam Center | Beam Diameter |
|---|---|---|
| 4' | 283.3 | 1.7 |
| 6' | 125.9 | 2.6 |
| 8' | 70.8 | 3.4 |
| 10' | 45.3 | 4.3 |
| 12' | 31.5 | 5.2 |

### LUMINANCE (Average cd/m²)

| Degrees | Average Luminance |
|---|---|
| 45° | 9027 |
| 55° | 2732 |
| 65° | 0 |
| 75° | 0 |
| 85° | 0 |

### PHOTOMETRIC REPORT

**Test Report#:** PT07162141R
**Catalog No:** 2LEDTRIM G2 DC 35K 80CRI FL CWH (1000L), Clear Cone with Flood Optic
**Luminaire Spacing Criteria:** 0.58
**Luminaire LPW:** 104




### CANDLEPOWER DISTRIBUTION (Candelas)

| Degrees Vertical | 0° |
|---|---|
| 0 | 2571 |
| 5 | 2346 |
| 15 | 1490 |
| 25 | 799 |
| 35 | 256 |
| 45 | 32 |
| 55 | 4 |
| 65 | 0 |
| 75 | 0 |
| 85 | 0 |
| 90 | 0 |

### AVERAGE INITIAL FOOTCANDLES

**Multiple Units (Square Array, 60'x60' room)**
Reflectances: Ceiling 80%, Wall 50%, Floor 20%

| Spacing | RCR1 | RCR3 | RCR5 |
|---|---|---|---|
| 4' | 84 | 74 | 66 |
| 5' | 53 | 47 | 42 |
| 6' | 37 | 33 | 29 |
| 7' | 30 | 27 | 24 |
| 8' | 24 | 21 | 19 |
| 9' | 18 | 16 | 14 |
| 10' | 13 | 12 | 11 |

### ZONAL LUMEN SUMMARY

| Zone | Lumens | %Lamp | %Fixture |
|---|---|---|---|
| 0-30° | 991 | N/A | 83.1 |
| 0-40° | 1159 | N/A | 97.1 |
| 0-60° | 1193 | N/A | 100.0 |
| 0-90° | 1193 | N/A | 100.0 |

### INITIAL FOOTCANDLES

**(One Unit, 11.5W, 35.7° Beam)**

| Distance to Illuminated Plane (Feet) | Footcandles Beam Center | Beam Diameter |
|---|---|---|
| 4' | 160.7 | 2.6 |
| 6' | 71.4 | 3.9 |
| 8' | 40.2 | 5.2 |
| 10' | 25.7 | 6.4 |
| 12' | 17.9 | 7.7 |

### LUMINANCE (Average cd/m²)

| Degrees | Average Luminance |
|---|---|
| 45° | 17182 |
| 55° | 2750 |
| 65° | 0 |
| 75° | 0 |
| 85° | 0 |

Fixtures tested to IES recommended standard for solid state lighting per LM-79-08. Photometric performance on a single unit represents a baseline of performance for the fixture. Results may vary in the field.

| Multiplier: | 80 CRI | 90 CRI |
|---|---|---|
| | 27K = .94 | 27K = .83 |
| | 30K = .97 | 30K = .86 |
| | 35K = 1.00 | 35K = .88 |
| | 40K = 1.03 | 40K = .90 |


©2015-2020 Acuity Brands Lighting, Inc.

JUNO

# 2" IC 600 AND 1000 LUMENS LED ROUND DOWNLIGHT CONE

## 2LEDTRIM G2 DC

Project:

Fixture Type:

Location:

Contact/Phone:



## PRODUCT DESCRIPTION

2 inch aperture recessed downlight is IC rated for insulated or non-insulated applications • Luminaire produces up to 1000 lumens and is available with optical distributions approximating that of 75W MR16 halogen lamps • Low profile form factor allows luminaire to fit in 2 x 6 construction • Designed to provide 50,000 hours of life • 5 year limited warranty on LED Components.

## ENVIRONMENTALLY FRIENDLY, ENERGY EFFICIENT

- No harmful ultraviolet or infrared wavelengths
- No lead or mercury, RoHS compliant
- Comparable light output up to a 75W MR16 halogen lamp

## PRODUCT SPECIFICATIONS

**LED Light Engine** Exceptional fixture to fixture color consistency within a 3-step MacAdam ellipse • 2700K, 3000K, 3500K, and 4000K color temperatures are available with 80 CRI or 90 CRI minimum.

**Modular Optics** Available with field interchangeable optics in 18° Spot, 24° Narrow Flood, or 40° Flood distributions.

**Aesthetic Trim** Trim features die cast beveled knife edge trim ring for clean ceiling interface available in white, black, satin nickel, or brushed bronze • Spun aluminum reflectors are available in clear, haze, wheat haze, black and white finishes.

**LED Driver** Choice of dedicated 120 volt (120) driver or universal voltage (MVOLT) driver that accommodates input voltages from 120-277 volts AC at 50/60Hz • Power factor > 0.9 • Dedicated 120 volt driver (120) is dimmable with the use of most incandescent, magnetic low voltage and electronic low voltage dimmers • Universal voltage driver (MVOLT) is dimmable with the use of most 0-10V protocol dimmers • For a list of compatible dimmers, see JUNO2ING2-DIM.

**Life** Rated for 50,000 hours at 70% lumen maintenance.

**Labels** ENERGY STAR® Certified • 90CRI fixtures are certified to the high efficacy requirements of California T24 JA8-2016 • Meets energy code Air Leakage requirements per ASTM E283 • UL and cUL listed for wet locations • 2NCHSG option is compatible with spray foam insulation with an R-value of 3.2 per inch or less.

**Junction Box** Includes (2) ½" knock-outs equipped with pryout slots • Push-in electrical connectors for field connections.

**Mounting** Remodel style plaster frame installs from below the ceiling and accommodates ceiling thicknesses from ½" to 1" • For thicker ceilings up to 1 ½", order 2JCTA150 • New Construction mounting frame, 2NCMF, is also available with Patented (US Patent D552,969) Real Nail 3® telescoping bar hangers to position fixture and locate wiring prior to ceiling installation • Recommend a minimum of 5.5" cavity depth to install properly • Flexible supply is recommended and non-flexible supply requires top access.

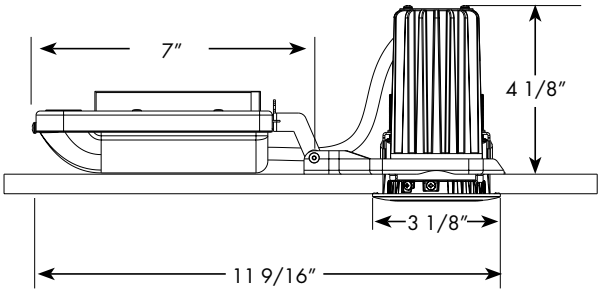
**Real Nail 3 Bar Hangers** 2NCHSG new construction housing and new construction mounting frame, 2NCMF, available with telescoping Real Nail® 3 system which permits quick placement of housing anywhere within 24" O.C. joists or suspended ceilings • Includes removable nail for repositioning of fixture in wood joist construction • Integral T-bar notch and clip for suspended ceilings • Design covered under US Patent D552,969 • 2NCHSG requires 2x8 construction

Specifications subject to change without notice.

### Downlight Cone Finishes




## DIMENSIONS




2 5/8" CEILING CUTOUT
2" APERTURE

### ELECTRICAL DATA (600L)

| | Dedicated 120V (120) | Universal Voltage (MVOLT) | |
|---|---|---|---|
| Voltage | 120 | 120 | 277 |
| Input Power | 7.5 (±5%) | 7.2 | 7.5 (±5%) |
| Input Current | .06 | .06 | .03 |
| Frequency | 50/60Hz | 50/60Hz | |
| Power Factor | >0.9 | >0.9 | >0.9 |

### ELECTRICAL DATA (1000L)

| | Dedicated 120V (120) | Universal Voltage (MVOLT) | |
|---|---|---|---|
| Voltage | 120 | 120 | 277 |
| Input Power | 11.5 (±5%) | 10.9 | 11.4 (±5%) |
| Input Current | .10 | .09 | .04 |
| Frequency | 50/60Hz | 50/60Hz | |
| Power Factor | >0.9 | >0.9 | >0.9 |


Printed in U.S.A. ©2015-2020 Acuity Brands Lighting, Inc. Rev. 09/8/20

# 2" IC 600 AND 1000 LUMENS LED ROUND DOWNLIGHT CONE 2LEDTRIM G2 DC

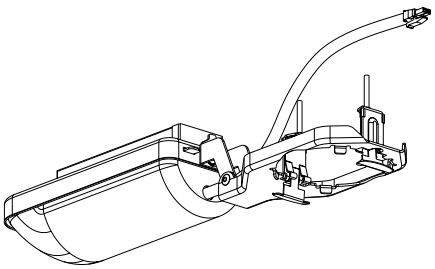
## ORDERING INFORMATION DRIVER AND TRIM EACH ORDERED SEPARATELY.

### DRIVER:

**Example:** 2LEDDRIVER G2 06LM 120 FRPC

| Series | | Generation | | Lumens | | Voltage | | Driver | |
|---|---|---|---|---|---|---|---|---|---|
| **2LEDDRIVER** | Juno Recessed 2" Driver | **G2** | Generation 2 | **06LM** | 600 Nominal Lumens | **120** | 120V | **FRPC** | Forward/Reverse Phase Cut |
| | | | | **10LM** | 1000 Nominal Lumens | **MVOLT** | Multi-Volt (120-277V) | **ZT** | 0-10V Dimming |

Note: 120V must be ordered with FRPC.
MVOLT must be ordered with ZT



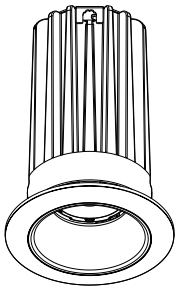
MOUNTING FRAME/DRIVER ASSEMBLY

Note: Driver assembly only intended for use with Gen2 LED trim modules.
Not backward compatible with previous generation.

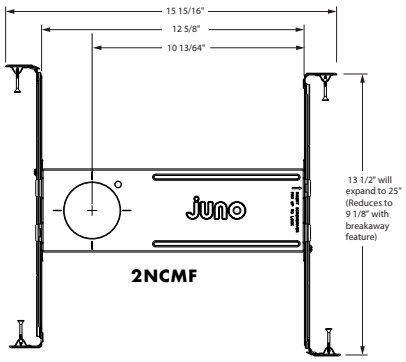
### TRIM:

**Example:** 2LEDTRIM G2 DC 27K 80CRI FL BBL

| Series | | Generation | | Trim Designation | | Color Temperature | | CRI | | Distribution | | Trim Finish | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **2LEDTRIM** | Juno Recessed 2" LED Trim | **G2** | Generation 2 | **DC** | Downlight Cone | **27K** | 2700K | **80CRI** | 80+ CRI | **FL** | Flood | **BBL** | Black Reflector, Black Trim Ring |
| | | | | | | **30K** | 3000K | **90CRI** | 90+ CRI | **NFL** | Narrow Flood | **BWH** | Black Reflector, White Trim Ring |
| | | | | | | **35K** | 3500K | | | **SP** | Spot | **CWH** | Clear Alzak Reflector, White Trim Ring |
| | | | | | | **40K** | 4000K | | | | | **HZWH** | Haze Reflector, White Trim Ring |
| | | | | | | | | | | | | **WWH** | White Reflector, White Trim Ring |
| | | | | | | | | | | | | **WHZBRZ** | Wheat Haze Reflector, Bronze Trim Ring |
| | | | | | | | | | | | | **HZSN** | Haze Reflector, Satin Nickel Trim Ring |

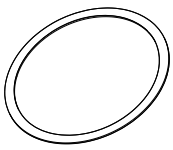


TRIM/LED ASSEMBLY

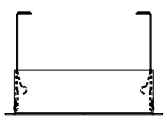



**2NCMF**

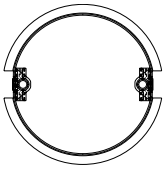
| Catalog No. | Description |
|---|---|
| **2NCMF** | New Construction Mounting Frame with Real Nail® 3 bar hangers |
| **2NCHSG** | 2" New Construction Housing for spray foam installation |
| **2DTCA** | 2" LED Drop Tile Ceiling Adapter |
| **2JCTA150** | Thick Ceiling adapter for 1" - 1½" thick ceiling |
| **LEDOPTIC2 SP** | 18° Spot Optic |
| **LEDOPTIC2 NFL** | 24° Narrow Flood Optic |
| **LEDOPTIC2 FL** | 40° Flood Optic |

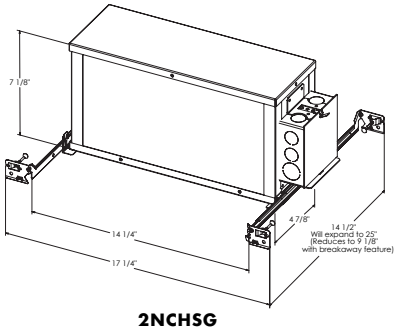


**2DTCA**



**2JCTA150**






**2NCHSG**

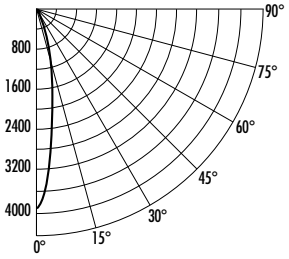
 ©2015-2020 Acuity Brands Lighting, Inc. 

# 2" IC 600 AND 1000 LUMENS LED ROUND DOWNLIGHT CONE 2LEDTRIM G2 DC

## PHOTOMETRICS

### PHOTOMETRIC REPORT

**Test Report#:** PT07162131
**Catalog No:** 2LEDTRIM G2 DC 35K 80CRI SP CWH (600L), Clear Cone with Spot Optic
**Luminaire Spacing Criteria:** 0.34
**Luminaire LPW:** 103




### CANDLEPOWER DISTRIBUTION (Candelas)

| Degrees Vertical | 0° |
|---|---|
| 0 | 3972 |
| 5 | 3449 |
| 15 | 1007 |
| 25 | 318 |
| 35 | 53 |
| 45 | 12 |
| 55 | 2 |
| 65 | 0 |
| 75 | 0 |
| 85 | 0 |
| 90 | 0 |

### AVERAGE INITIAL FOOTCANDLES

**Multiple Units (Square Array, 60'x60' room)**
Reflectances: Ceiling 80%, Wall 50%, Floor 20%

| Spacing | RCR1 | RCR3 | RCR5 |
|---|---|---|---|
| 4' | 55 | 50 | 46 |
| 5' | 35 | 32 | 29 |
| 6' | 24 | 22 | 20 |
| 7' | 20 | 18 | 17 |
| 8' | 16 | 14 | 13 |
| 9' | 12 | 11 | 10 |
| 10' | 9 | 8 | 7 |

### ZONAL LUMEN SUMMARY

| Zone | Lumens | %Lamp | %Fixture |
|---|---|---|---|
| 0-30° | 718 | N/A | 92.8 |
| 0-40° | 762 | N/A | 98.5 |
| 0-60° | 774 | N/A | 100.0 |
| 0-90° | 774 | N/A | 100.0 |

### INITIAL FOOTCANDLES

**(One Unit, 7.5W, 19.6° Beam)**

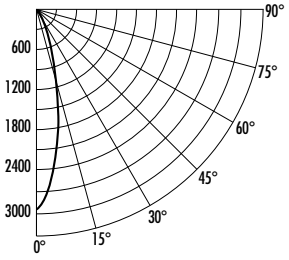
| Distance to Illuminated Plane (Feet) | Footcandles Beam Center | Beam Diameter |
|---|---|---|
| 4' | 248.3 | 1.4 |
| 6' | 110.3 | 2.1 |
| 8' | 62.1 | 2.8 |
| 10' | 39.7 | 3.5 |
| 12' | 27.6 | 4.1 |

### LUMINANCE (Average cd/m²)

| Degrees | Average Luminance |
|---|---|
| 45° | 6383 |
| 55° | 1455 |
| 65° | 0 |
| 75° | 0 |
| 85° | 0 |

### PHOTOMETRIC REPORT

**Test Report#:** PT07162136
**Catalog No:** 2LEDTRIM G2 DC 35K 80CRI NFL CWH (600L), Clear Cone with Narrow Flood Optic
**Luminaire Spacing Criteria:** 0.42
**Luminaire LPW:** 100




### CANDLEPOWER DISTRIBUTION (Candelas)

| Degrees Vertical | 0° |
|---|---|
| 0 | 2963 |
| 5 | 2681 |
| 15 | 1032 |
| 25 | 344 |
| 35 | 64 |
| 45 | 11 |
| 55 | 3 |
| 65 | 0 |
| 75 | 0 |
| 85 | 0 |
| 90 | 0 |

### AVERAGE INITIAL FOOTCANDLES

**Multiple Units (Square Array, 60'x60' room)**
Reflectances: Ceiling 80%, Wall 50%, Floor 20%

| Spacing | RCR1 | RCR3 | RCR5 |
|---|---|---|---|
| 4' | 53 | 48 | 43 |
| 5' | 34 | 30 | 28 |
| 6' | 23 | 21 | 19 |
| 7' | 19 | 17 | 16 |
| 8' | 15 | 14 | 12 |
| 9' | 11 | 10 | 9 |
| 10' | 8 | 8 | 7 |

### ZONAL LUMEN SUMMARY

| Zone | Lumens | %Lamp | %Fixture |
|---|---|---|---|
| 0-30° | 686 | N/A | 91.8 |
| 0-40° | 735 | N/A | 98.3 |
| 0-60° | 747 | N/A | 100.0 |
| 0-90° | 747 | N/A | 100.0 |

### INITIAL FOOTCANDLES

**(One Unit, 7.5W, 24.3° Beam)**

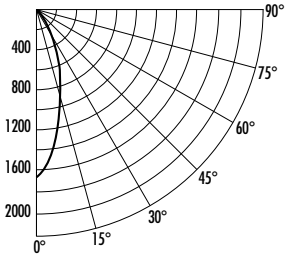
| Distance to Illuminated Plane (Feet) | Footcandles Beam Center | Beam Diameter |
|---|---|---|
| 4' | 185.2 | 1.7 |
| 6' | 82.3 | 2.6 |
| 8' | 46.3 | 3.4 |
| 10' | 29.6 | 4.3 |
| 12' | 20.6 | 5.2 |

### LUMINANCE (Average cd/m²)

| Degrees | Average Luminance |
|---|---|
| 45° | 5900 |
| 55° | 1785 |
| 65° | 0 |
| 75° | 0 |
| 85° | 0 |

### PHOTOMETRIC REPORT

**Test Report#:** PT07162141
**Catalog No:** 2LEDTRIM G2 DC 35K 80CRI FL CWH (600L), Clear Cone with Flood Optic
**Luminaire Spacing Criteria:** 0.58
**Luminaire LPW:** 103




### CANDLEPOWER DISTRIBUTION (Candelas)

| Degrees Vertical | 0° |
|---|---|
| 0 | 1669 |
| 5 | 1524 |
| 15 | 968 |
| 25 | 519 |
| 35 | 167 |
| 45 | 21 |
| 55 | 3 |
| 65 | 0 |
| 75 | 0 |
| 85 | 0 |
| 90 | 0 |

### AVERAGE INITIAL FOOTCANDLES

**Multiple Units (Square Array, 60'x60' room)**
Reflectances: Ceiling 80%, Wall 50%, Floor 20%

| Spacing | RCR1 | RCR3 | RCR5 |
|---|---|---|---|
| 4' | 54 | 48 | 43 |
| 5' | 35 | 31 | 28 |
| 6' | 24 | 21 | 19 |
| 7' | 20 | 17 | 15 |
| 8' | 15 | 14 | 12 |
| 9' | 12 | 10 | 9 |
| 10' | 9 | 8 | 7 |

### ZONAL LUMEN SUMMARY

| Zone | Lumens | %Lamp | %Fixture |
|---|---|---|---|
| 0-30° | 644 | N/A | 83.1 |
| 0-40° | 752 | N/A | 97.1 |
| 0-60° | 775 | N/A | 100.0 |
| 0-90° | 775 | N/A | 100.0 |

### INITIAL FOOTCANDLES

**(One Unit, 7.5W, 35.7° Beam)**

| Distance to Illuminated Plane (Feet) | Footcandles Beam Center | Beam Diameter |
|---|---|---|
| 4' | 104.3 | 2.6 |
| 6' | 46.4 | 3.9 |
| 8' | 26.1 | 5.2 |
| 10' | 16.7 | 6.4 |
| 12' | 11.6 | 7.7 |

### LUMINANCE (Average cd/m²)

| Degrees | Average Luminance |
|---|---|
| 45° | 11157 |
| 55° | 1785 |
| 65° | 0 |
| 75° | 0 |
| 85° | 0 |

Fixtures tested to IES recommended standard for solid state lighting per LM-79-08. Photometric performance on a single unit represents a baseline of performance for the fixture. Results may vary in the field.

| Multiplier: | 80 CRI | 90 CRI |
|---|---|---|
| | 27K = .94 | 27K = .83 |
| | 30K = .97 | 30K = .86 |
| | 35K = 1.00 | 35K = .88 |
| | 40K = 1.03 | 40K = .90 |

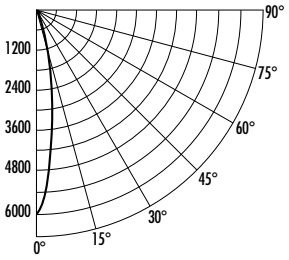

©2015-2020 Acuity Brands Lighting, Inc.

# 2" IC 600 AND 1000 LUMENS LED ROUND DOWNLIGHT CONE 2LEDTRIM G2 DC

## PHOTOMETRICS

### PHOTOMETRIC REPORT

**Test Report#:** PT07162131R
**Catalog No:** 2LEDTRIM G2 DC 35K 80CRI SP CWH (1000L), Clear Cone with Spot Optic
**Luminaire Spacing Criteria:** 0.34
**Luminaire LPW:** 102




### CANDLEPOWER DISTRIBUTION (Candelas)

| Degrees Vertical | 0° |
|---|---|
| 0 | 5997 |
| 5 | 5209 |
| 15 | 1520 |
| 25 | 481 |
| 35 | 80 |
| 45 | 18 |
| 55 | 3 |
| 65 | 0 |
| 75 | 0 |
| 85 | 0 |
| 90 | 0 |

### AVERAGE INITIAL FOOTCANDLES

**Multiple Units (Square Array, 60'x60' room)**
Reflectances: Ceiling 80%, Wall 50%, Floor 20%

| Spacing | RCR1 | RCR3 | RCR5 |
|---|---|---|---|
| 4' | 83 | 75 | 69 |
| 5' | 53 | 48 | 44 |
| 6' | 37 | 33 | 31 |
| 7' | 30 | 27 | 25 |
| 8' | 23 | 21 | 20 |
| 9' | 18 | 16 | 15 |
| 10' | 13 | 12 | 11 |

### ZONAL LUMEN SUMMARY

| Zone | Lumens | %Lamp | %Fixture |
|---|---|---|---|
| 0-30° | 1085 | N/A | 92.8 |
| 0-40° | 1151 | N/A | 98.5 |
| 0-60° | 1168 | N/A | 100.0 |
| 0-90° | 1169 | N/A | 100.0 |

### INITIAL FOOTCANDLES

**(One Unit, 11.5W, 19.6° Beam)**

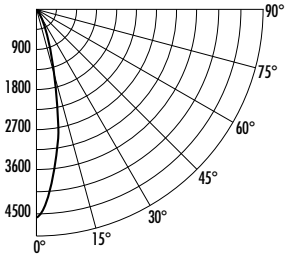
| Distance to Illuminated Plane (Feet) | Footcandles Beam Center | Beam Diameter |
|---|---|---|
| 4' | 374.8 | 1.4 |
| 6' | 166.6 | 2.1 |
| 8' | 93.7 | 2.8 |
| 10' | 60.0 | 3.5 |
| 12' | 41.6 | 4.1 |

### LUMINANCE (Average cd/m²)

| Degrees | Average Luminance |
|---|---|
| 45° | 9638 |
| 55° | 2197 |
| 65° | 0 |
| 75° | 0 |
| 85° | 0 |

### PHOTOMETRIC REPORT

**Test Report#:** PT07162136R
**Catalog No:** 2LEDTRIM G2 DC 35K 80CRI NFL CWH (1000L), Clear Cone with Narrow Flood Optic
**Luminaire Spacing Criteria:** 0.42
**Luminaire LPW:** 99




### CANDLEPOWER DISTRIBUTION (Candelas)

| Degrees Vertical | 0° |
|---|---|
| 0 | 4533 |
| 5 | 4102 |
| 15 | 1579 |
| 25 | 526 |
| 35 | 98 |
| 45 | 17 |
| 55 | 4 |
| 65 | 0 |
| 75 | 0 |
| 85 | 0 |
| 90 | 0 |

### AVERAGE INITIAL FOOTCANDLES

**Multiple Units (Square Array, 60'x60' room)**
Reflectances: Ceiling 80%, Wall 50%, Floor 20%

| Spacing | RCR1 | RCR3 | RCR5 |
|---|---|---|---|
| 4' | 81 | 73 | 66 |
| 5' | 52 | 47 | 43 |
| 6' | 36 | 32 | 30 |
| 7' | 29 | 26 | 24 |
| 8' | 23 | 21 | 19 |
| 9' | 18 | 16 | 14 |
| 10' | 13 | 12 | 11 |

### ZONAL LUMEN SUMMARY

| Zone | Lumens | %Lamp | %Fixture |
|---|---|---|---|
| 0-30° | 1049 | N/A | 91.8 |
| 0-40° | 1124 | N/A | 98.3 |
| 0-60° | 1143 | N/A | 100.0 |
| 0-90° | 1143 | N/A | 100.0 |

### INITIAL FOOTCANDLES

**(One Unit, 11.5W, 24.3° Beam)**

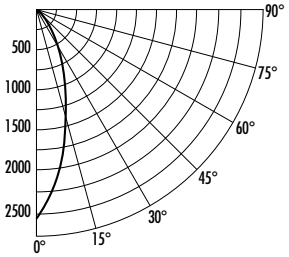
| Distance to Illuminated Plane (Feet) | Footcandles Beam Center | Beam Diameter |
|---|---|---|
| 4' | 283.3 | 1.7 |
| 6' | 125.9 | 2.6 |
| 8' | 70.8 | 3.4 |
| 10' | 45.3 | 4.3 |
| 12' | 31.5 | 5.2 |

### LUMINANCE (Average cd/m²)

| Degrees | Average Luminance |
|---|---|
| 45° | 9027 |
| 55° | 2732 |
| 65° | 0 |
| 75° | 0 |
| 85° | 0 |

### PHOTOMETRIC REPORT

**Test Report#:** PT07162141R
**Catalog No:** 2LEDTRIM G2 DC 35K 80CRI FL CWH (1000L), Clear Cone with Flood Optic
**Luminaire Spacing Criteria:** 0.58
**Luminaire LPW:** 104




### CANDLEPOWER DISTRIBUTION (Candelas)

| Degrees Vertical | 0° |
|---|---|
| 0 | 2571 |
| 5 | 2346 |
| 15 | 1490 |
| 25 | 799 |
| 35 | 256 |
| 45 | 32 |
| 55 | 4 |
| 65 | 0 |
| 75 | 0 |
| 85 | 0 |
| 90 | 0 |

### AVERAGE INITIAL FOOTCANDLES

**Multiple Units (Square Array, 60'x60' room)**
Reflectances: Ceiling 80%, Wall 50%, Floor 20%

| Spacing | RCR1 | RCR3 | RCR5 |
|---|---|---|---|
| 4' | 84 | 74 | 66 |
| 5' | 53 | 47 | 42 |
| 6' | 37 | 33 | 29 |
| 7' | 30 | 27 | 24 |
| 8' | 24 | 21 | 19 |
| 9' | 18 | 16 | 14 |
| 10' | 13 | 12 | 11 |

### ZONAL LUMEN SUMMARY

| Zone | Lumens | %Lamp | %Fixture |
|---|---|---|---|
| 0-30° | 991 | N/A | 83.1 |
| 0-40° | 1159 | N/A | 97.1 |
| 0-60° | 1193 | N/A | 100.0 |
| 0-90° | 1193 | N/A | 100.0 |

### INITIAL FOOTCANDLES

**(One Unit, 11.5W, 35.7° Beam)**

| Distance to Illuminated Plane (Feet) | Footcandles Beam Center | Beam Diameter |
|---|---|---|
| 4' | 160.7 | 2.6 |
| 6' | 71.4 | 3.9 |
| 8' | 40.2 | 5.2 |
| 10' | 25.7 | 6.4 |
| 12' | 17.9 | 7.7 |

### LUMINANCE (Average cd/m²)

| Degrees | Average Luminance |
|---|---|
| 45° | 17182 |
| 55° | 2750 |
| 65° | 0 |
| 75° | 0 |
| 85° | 0 |

Fixtures tested to IES recommended standard for solid state lighting per LM-79-08. Photometric performance on a single unit represents a baseline of performance for the fixture. Results may vary in the field.

| Multiplier: | 80 CRI | 90 CRI |
|---|---|---|
| | 27K = .94 | 27K = .83 |
| | 30K = .97 | 30K = .86 |
| | 35K = 1.00 | 35K = .88 |
| | 40K = 1.03 | 40K = .90 |


©2015-2020 Acuity Brands Lighting, Inc.