



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



## 2LEDTRIM G2 DB

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 • Die cast baffles are available in white, black, satin nickel, or brushed bronze

**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** 90CRI fixtures are certified to the high efficacy requirements of California T24 JA8-2019 • 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) 1/2" knock-outs equipped with pryout slots • Push-in electrical connectors for field connections.

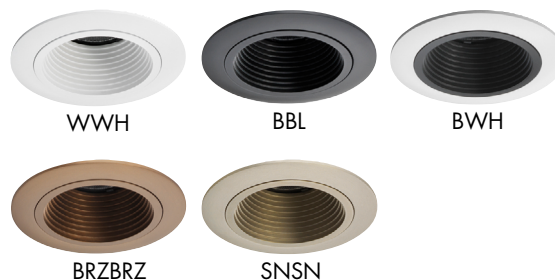
**Mounting** Remodel style plaster frame installs from below the ceiling and accommodates ceiling thicknesses from 1/2" to 1" • For thicker ceilings up to 1 1/2", order 2JCTA150 • New Construction mounting frame, 2NCMFLP, is also available with Patented (US Patent D552,969) Real Nail 3® telescoping bar 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, 2NCMFLP, 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

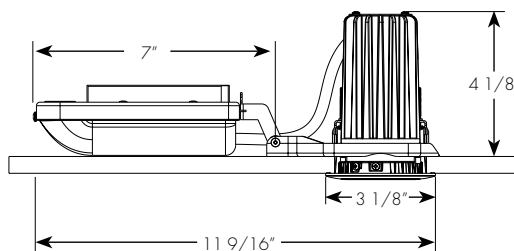
Specifications subject to change without notice.



### Downlight Baffle 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       |

# 2" IC 600 AND 1000 LUMENS LED ROUND DOWNLIGHT BAFFLE 2LEDTRIM G2 DB

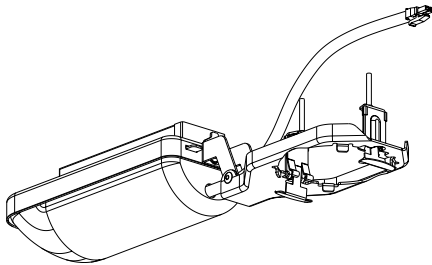
## ORDERING INFORMATION DRIVER AND TRIM EACH ORDERED SEPARATELY.

### DRIVER:

Example: 2LEDDRIVER G2 06LM 120 FRPC

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

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



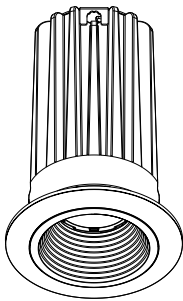
MOUNTING FRAME/DRIVER ASSEMBLY

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

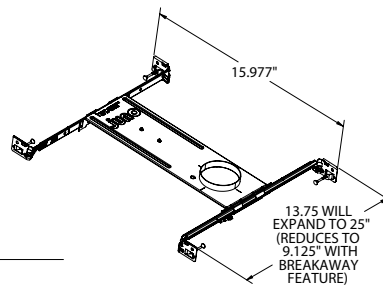
### TRIM:

Example: 2LEDTRIM G2 DB 27K 80CRI FL BBL

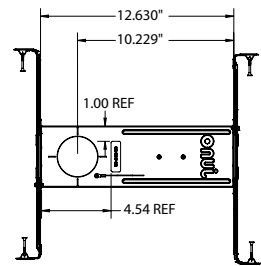
| Series                             | Generation      | Trim Designation         | Color Temperature                                | CRI                            | Distribution                            | Trim Finish                                                                                                                                                                                               |
|------------------------------------|-----------------|--------------------------|--------------------------------------------------|--------------------------------|-----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 2LEDTRIM Juno Recessed 2" LED Trim | G2 Generation 2 | DB Downlight Baffle Trim | 27K 2700K<br>30K 3000K<br>35K 3500K<br>40K 4000K | 80CRI 80+ CRI<br>90CRI 90+ CRI | FL Flood<br>NFL Narrow Flood<br>SP Spot | BBL Black Baffle, Black Trim Ring<br>BWH Black Baffle, White Trim Ring<br>BRZBRZ Bronze Baffle, Bronze Trim Ring<br>SNSN Satin Nickel Baffle, Satin Nickel Trim Ring<br>WWH White Baffle, White Trim Ring |



TRIM/LED ASSEMBLY



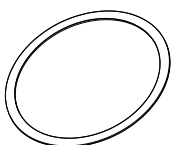
2NCMFLP



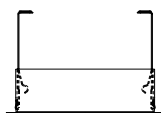
2NCHSG

### ACCESSORIES

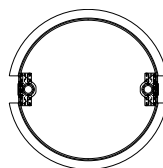
| Catalog No.   | Description                                                           |
|---------------|-----------------------------------------------------------------------|
| 2NCMFLP       | New Construction Mounting Frame with Lip and Real Nail® 3 bar hangers |
| 2NCHSG        | 2" New Construction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



2DTCA



2JCTA150



# 2" IC 600 AND 1000 LUMENS LED ROUND DOWNLIGHT BAFFLE 2LEDTRIM G2 DB

## PHOTOMETRICS

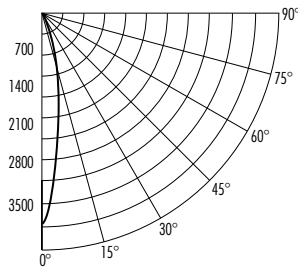
### PHOTOMETRIC REPORT

Test Report#: PT07161801

Catalog No: 2LEDTRIM G2 DB 35K 80CRI  
SP WWH (600L), White Baffle  
with Spot Optic

Luminaire Spacing Criteria: 0.34

Luminaire LPW: 93



### CANDLEPOWER DISTRIBUTION (Candelas)

| Degrees Vertical | 0°   |
|------------------|------|
| 0                | 3492 |
| 5                | 2934 |
| 15               | 926  |
| 25               | 286  |
| 35               | 45   |
| 45               | 16   |
| 55               | 12   |
| 65               | 8    |
| 75               | 4    |
| 85               | 1    |
| 90               | 0    |

### AVERAGE INITIAL FOOTCANDLES Multiple Units (Square Array, 60'x60' room)

Reflectances: Ceiling 80%, Wall 50%, Floor 20%

| Spacing | RCR1 | RCR3 | RCR5 |
|---------|------|------|------|
| 4'      | 49   | 44   | 41   |
| 5'      | 31   | 28   | 26   |
| 6'      | 22   | 20   | 18   |
| 7'      | 18   | 16   | 15   |
| 8'      | 14   | 13   | 12   |
| 9'      | 11   | 10   | 9    |
| 10'     | 8    | 7    | 7    |

### ZONAL LUMEN SUMMARY

| Zone  | Lumens | %Lamp | %Fixture |
|-------|--------|-------|----------|
| 0-30° | 629    | N/A   | 89.9     |
| 0-40° | 662    | N/A   | 94.6     |
| 0-60° | 686    | N/A   | 98.2     |
| 0-90° | 699    | N/A   | 100.0    |

### INITIAL FOOTCANDLES (One Unit, 7.5W, 18.9° Beam)

| Distance to Illuminated Plane (Feet) | Footcandles Beam Center | Beam Diameter |
|--------------------------------------|-------------------------|---------------|
| 4'                                   | 218.3                   | 1.3           |
| 6'                                   | 97.0                    | 2.0           |
| 8'                                   | 54.6                    | 2.7           |
| 10'                                  | 34.9                    | 3.3           |
| 12'                                  | 24.3                    | 4.0           |

### LUMINANCE (Average cd/m²)

| Degrees | Average Luminance |
|---------|-------------------|
| 45°     | 10385             |
| 55°     | 9995              |
| 65°     | 8744              |
| 75°     | 6956              |
| 85°     | 3805              |

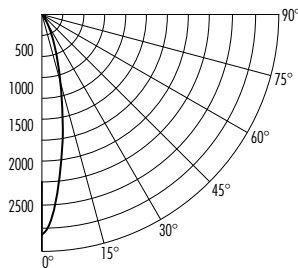
### PHOTOMETRIC REPORT

Test Report#: PT07161805

Catalog No: 2LEDTRIM G2 DB 35K 80CRI  
NFL WWH (600L), White Baffle  
with Narrow Flood Optic

Luminaire Spacing Criteria: 0.42

Luminaire LPW: 89



### CANDLEPOWER DISTRIBUTION (Candelas)

| Degrees Vertical | 0°   |
|------------------|------|
| 0                | 2532 |
| 5                | 2228 |
| 15               | 926  |
| 25               | 308  |
| 35               | 48   |
| 45               | 17   |
| 55               | 13   |
| 65               | 8    |
| 75               | 4    |
| 85               | 1    |
| 90               | 0    |

### AVERAGE INITIAL FOOTCANDLES Multiple Units (Square Array, 60'x60' room)

Reflectances: Ceiling 80%, Wall 50%, Floor 20%

| Spacing | RCR1 | RCR3 | RCR5 |
|---------|------|------|------|
| 4'      | 46   | 42   | 38   |
| 5'      | 30   | 27   | 24   |
| 6'      | 21   | 18   | 17   |
| 7'      | 17   | 15   | 14   |
| 8'      | 13   | 12   | 11   |
| 9'      | 10   | 9    | 8    |
| 10'     | 7    | 7    | 6    |

### ZONAL LUMEN SUMMARY

| Zone  | Lumens | %Lamp | %Fixture |
|-------|--------|-------|----------|
| 0-30° | 591    | N/A   | 89.0     |
| 0-40° | 627    | N/A   | 94.4     |
| 0-60° | 652    | N/A   | 98.1     |
| 0-90° | 664    | N/A   | 100.0    |

### INITIAL FOOTCANDLES (One Unit, 7.5W, 24.4° Beam)

| Distance to Illuminated Plane (Feet) | Footcandles Beam Center | Beam Diameter |
|--------------------------------------|-------------------------|---------------|
| 4'                                   | 158.3                   | 1.7           |
| 6'                                   | 70.3                    | 2.6           |
| 8'                                   | 39.6                    | 3.5           |
| 10'                                  | 25.3                    | 4.3           |
| 12'                                  | 17.6                    | 5.2           |

### LUMINANCE (Average cd/m²)

| Degrees | Average Luminance |
|---------|-------------------|
| 45°     | 11256             |
| 55°     | 10325             |
| 65°     | 8744              |
| 75°     | 6773              |
| 85°     | 2718              |

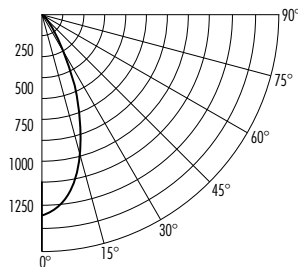
### PHOTOMETRIC REPORT

Test Report#: PT07161809

Catalog No: 2LEDTRIM G2 DB 35K 80CRI  
FL WWH (600L), White Baffle  
with Flood Optic

Luminaire Spacing Criteria: 0.72

Luminaire LPW: 94



### CANDLEPOWER DISTRIBUTION (Candelas)

| Degrees Vertical | 0°   |
|------------------|------|
| 0                | 1187 |
| 5                | 1141 |
| 15               | 879  |
| 25               | 492  |
| 35               | 135  |
| 45               | 27   |
| 55               | 11   |
| 65               | 8    |
| 75               | 4    |
| 85               | 1    |
| 90               | 0    |

### AVERAGE INITIAL FOOTCANDLES Multiple Units (Square Array, 60'x60' room)

Reflectances: Ceiling 80%, Wall 50%, Floor 20%

| Spacing | RCR1 | RCR3 | RCR5 |
|---------|------|------|------|
| 4'      | 49   | 43   | 38   |
| 5'      | 31   | 27   | 24   |
| 6'      | 22   | 19   | 17   |
| 7'      | 18   | 15   | 14   |
| 8'      | 14   | 12   | 11   |
| 9'      | 11   | 9    | 8    |
| 10'     | 8    | 7    | 6    |

### ZONAL LUMEN SUMMARY

| Zone  | Lumens | %Lamp | %Fixture |
|-------|--------|-------|----------|
| 0-30° | 568    | N/A   | 80.9     |
| 0-40° | 656    | N/A   | 93.3     |
| 0-60° | 689    | N/A   | 98.0     |
| 0-90° | 703    | N/A   | 100.0    |

### INITIAL FOOTCANDLES (One Unit, 7.5W, 44.9° Beam)

| Distance to Illuminated Plane (Feet) | Footcandles Beam Center | Beam Diameter |
|--------------------------------------|-------------------------|---------------|
| 4'                                   | 74.2                    | 3.3           |
| 6'                                   | 33.0                    | 5.0           |
| 8'                                   | 18.5                    | 6.6           |
| 10'                                  | 11.9                    | 8.3           |
| 12'                                  | 8.2                     | 9.9           |

### LUMINANCE (Average cd/m²)

| Degrees | Average Luminance |
|---------|-------------------|
| 45°     | 18024             |
| 55°     | 9169              |
| 65°     | 9193              |
| 75°     | 8054              |
| 85°     | 4349              |

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

# 2" IC 600 AND 1000 LUMENS LED ROUND DOWNLIGHT BAFFLE 2LEDTRIM G2 DB

## PHOTOMETRICS

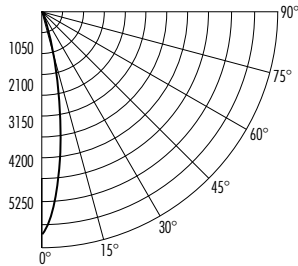
### PHOTOMETRIC REPORT

Test Report#: PT07161913

Catalog No: 2LEDTRIM G2 DB 35K 80CRI  
SP WWH (1000L), White Baffle  
with Spot Optic

Luminaire Spacing Criteria: 0.32

Luminaire LPW: 92



### CANDLEPOWER DISTRIBUTION (Candelas)

| Degrees Vertical | 0°   |
|------------------|------|
| 0                | 5297 |
| 5                | 4423 |
| 15               | 1390 |
| 25               | 434  |
| 35               | 69   |
| 45               | 25   |
| 55               | 19   |
| 65               | 13   |
| 75               | 6    |
| 85               | 1    |
| 90               | 0    |

### AVERAGE INITIAL FOOTCANDLES Multiple Units (Square Array, 60'x60' room)

Reflectances: Ceiling 80%, Wall 50%, Floor 20%

| Spacing | RCR1 | RCR3 | RCR5 |
|---------|------|------|------|
| 4'      | 74   | 67   | 61   |
| 5'      | 47   | 43   | 39   |
| 6'      | 33   | 30   | 27   |
| 7'      | 27   | 24   | 22   |
| 8'      | 21   | 19   | 17   |
| 9'      | 16   | 15   | 13   |
| 10'     | 12   | 11   | 10   |

### ZONAL LUMEN SUMMARY

| Zone  | Lumens | %Lamp | %Fixture |
|-------|--------|-------|----------|
| 0-30° | 945    | N/A   | 89.5     |
| 0-40° | 996    | N/A   | 94.3     |
| 0-60° | 1035   | N/A   | 98.0     |
| 0-90° | 1056   | N/A   | 100.0    |

### INITIAL FOOTCANDLES (One Unit, 11.5W, 18.6° Beam)

| Distance to Illuminated Plane (Feet) | Footcandles Beam Center | Beam Diameter |
|--------------------------------------|-------------------------|---------------|
| 4'                                   | 331.1                   | 1.3           |
| 6'                                   | 147.1                   | 2.0           |
| 8'                                   | 82.8                    | 2.6           |
| 10'                                  | 53.0                    | 3.3           |
| 12'                                  | 36.8                    | 3.9           |

### LUMINANCE (Average cd/m²)

| Degrees | Average Luminance |
|---------|-------------------|
| 45°     | 16550             |
| 55°     | 15859             |
| 65°     | 14013             |
| 75°     | 11532             |
| 85°     | 7610              |

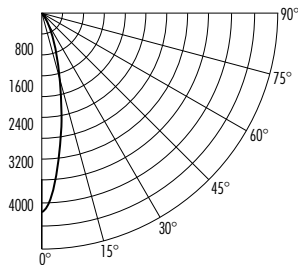
### PHOTOMETRIC REPORT

Test Report#: PT07161917

Catalog No: 2LEDTRIM G2 DB 35K 80CRI  
NFL WWH (1000L), White Baffle  
with Narrow Flood Optic

Luminaire Spacing Criteria: 0.42

Luminaire LPW: 88



### CANDLEPOWER DISTRIBUTION (Candelas)

| Degrees Vertical | 0°   |
|------------------|------|
| 0                | 3827 |
| 5                | 3375 |
| 15               | 1423 |
| 25               | 469  |
| 35               | 73   |
| 45               | 25   |
| 55               | 19   |
| 65               | 12   |
| 75               | 6    |
| 85               | 1    |
| 90               | 0    |

### AVERAGE INITIAL FOOTCANDLES Multiple Units (Square Array, 60'x60' room)

Reflectances: Ceiling 80%, Wall 50%, Floor 20%

| Spacing | RCR1 | RCR3 | RCR5 |
|---------|------|------|------|
| 4'      | 71   | 63   | 58   |
| 5'      | 45   | 40   | 37   |
| 6'      | 31   | 28   | 26   |
| 7'      | 25   | 23   | 21   |
| 8'      | 20   | 18   | 17   |
| 9'      | 15   | 14   | 13   |
| 10'     | 11   | 10   | 9    |

### ZONAL LUMEN SUMMARY

| Zone  | Lumens | %Lamp | %Fixture |
|-------|--------|-------|----------|
| 0-30° | 902    | N/A   | 89.2     |
| 0-40° | 955    | N/A   | 94.4     |
| 0-60° | 992    | N/A   | 98.1     |
| 0-90° | 1011   | N/A   | 100.0    |

### INITIAL FOOTCANDLES (One Unit, 11.5W, 24.6° Beam)

| Distance to Illuminated Plane (Feet) | Footcandles Beam Center | Beam Diameter |
|--------------------------------------|-------------------------|---------------|
| 4'                                   | 239.1                   | 1.7           |
| 6'                                   | 106.3                   | 2.6           |
| 8'                                   | 59.8                    | 3.5           |
| 10'                                  | 38.3                    | 4.4           |
| 12'                                  | 26.6                    | 5.2           |

### LUMINANCE (Average cd/m²)

| Degrees | Average Luminance |
|---------|-------------------|
| 45°     | 16818             |
| 55°     | 15281             |
| 65°     | 13228             |
| 75°     | 10617             |
| 85°     | 6523              |

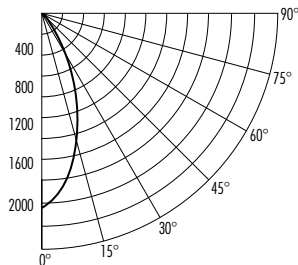
### PHOTOMETRIC REPORT

Test Report#: PT07161921

Catalog No: 2LEDTRIM G2 DB 35K 80CRI  
FL WWH (1000L), White Baffle  
with Flood Optic

Luminaire Spacing Criteria: 0.72

Luminaire LPW: 94



### CANDLEPOWER DISTRIBUTION (Candelas)

| Degrees Vertical | 0°   |
|------------------|------|
| 0                | 1822 |
| 5                | 1752 |
| 15               | 1351 |
| 25               | 757  |
| 35               | 208  |
| 45               | 42   |
| 55               | 17   |
| 65               | 13   |
| 75               | 7    |
| 85               | 2    |
| 90               | 0    |

### AVERAGE INITIAL FOOTCANDLES Multiple Units (Square Array, 60'x60' room)

Reflectances: Ceiling 80%, Wall 50%, Floor 20%

| Spacing | RCR1 | RCR3 | RCR5 |
|---------|------|------|------|
| 4'      | 75   | 66   | 58   |
| 5'      | 48   | 42   | 37   |
| 6'      | 33   | 29   | 26   |
| 7'      | 27   | 24   | 21   |
| 8'      | 21   | 19   | 17   |
| 9'      | 16   | 14   | 13   |
| 10'     | 12   | 10   | 9    |

### ZONAL LUMEN SUMMARY

| Zone  | Lumens | %Lamp | %Fixture |
|-------|--------|-------|----------|
| 0-30° | 873    | N/A   | 80.7     |
| 0-40° | 1008   | N/A   | 93.2     |
| 0-60° | 1059   | N/A   | 97.9     |
| 0-90° | 1082   | N/A   | 100.0    |

### INITIAL FOOTCANDLES (One Unit, 11.5W, 45° Beam)

| Distance to Illuminated Plane (Feet) | Footcandles Beam Center | Beam Diameter |
|--------------------------------------|-------------------------|---------------|
| 4'                                   | 113.9                   | 3.3           |
| 6'                                   | 50.6                    | 5.0           |
| 8'                                   | 28.5                    | 6.6           |
| 10'                                  | 18.2                    | 8.3           |
| 12'                                  | 12.7                    | 9.9           |

### LUMINANCE (Average cd/m²)

| Degrees | Average Luminance |
|---------|-------------------|
| 45°     | 28007             |
| 55°     | 14373             |
| 65°     | 14686             |
| 75°     | 13180             |
| 85°     | 9785              |

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