

#### PRODUCT DESCRIPTION

Can-less LED recessed downlights are designed for easy installation into new construction or remodel applications. Each downlight includes a Selectable CCT switch located on the junction box. The deep reflector provides excellent glare control, quality of light, and efficiency.

#### FEATURES

- Packaged in case quantities of 12
- Five color temperatures in each fixture (2700K / 3000K / 3500K / 4000K / 5000K)
- No housing required and includes pre-wired junction box
- Quick installation and cost savings
- IC Air-Tight rated
- cETLus Listed for Wet Locations
- 5-year limited warranty

#### SPECIFICATION

**Construction:** Dead front (non-metallic) luminaire with spring clips for easy installation. Gasket included for air-tight and wet location listing without additional caulking.

**Air Flow Restriction:** Luminaire has factory installed gasket to restrict airflow from room into ceiling plenum to <2CFM (cubic feet per minute) in accordance with ASTM-283 Air-Tight requirements.

**Junction Box:** Pre-wired junction box includes quick connect to LED fixtures for ease of installation. Junction box includes two 1/2" and two 3/8" knockouts and snap on cover. Maximum of 4 No. 12 AWG through branch circuit conductor suitable for 90°C permitted in box. [Fixture wire length: 6" and Junction box wire length: 10"]

**Mounting:** No housing is required, two tensions steel spring clips secure luminaires to the ceiling. Luminaires accept ceiling thicknesses from 3/8" to 5/8". New construction frame-ins are available, see accessories.

**Minimum clearance:** "IC" Insulated ceiling luminaires are direct contact rated; no minimum clearance is required.

#### ELECTRICAL

**Voltage:** 120VAC

**Lumens / Wattage:** 850lm / 10W (4") & 1050lm / 12W (6")

**Color Temperature:**

Selectable CCT: 2700K / 3000K / 3500K / 4000K / 5000K  
(Note: Preset to 3000K)

**Color Rendering Index:** 90+ CRI

**Beam Spread:** 100° Flood

**Operating Temperature:** 0°C to 35°C ambient temperature

**Lifetime:** 50,000 hours @ L70

**Dimming:** Triac or ELV

[Click Here](#) or check complete dimmer list at [www.NoraLighting.com](#) in the "Compatibility" page under "Resources" tab

#### OPTIONAL ACCESSORIES

**NEFLINTW-EW-4:** 4' Quick Connect Linkable Cable

**NEFLINTW-EW-20:** 20' Quick Connect Linkable Cable

**NEPK-20LEDUNV:** Emergency Driver w/Remote Test Switch

**NF-R246:** Universal New Construction Frame-In for 4" only

**NFC-R430:** New Construction Frame-In with Collar for 4"

**NFC-R55:** New Construction Frame-In with Collar for 6"

**Emergency:** Luminaire is compatible with NEPK-20LEDUNV (ordered separately). Remote mounted battery operates luminaire for 90 minute emergency operation with a fully charged battery.

#### LABELS AND LISTINGS

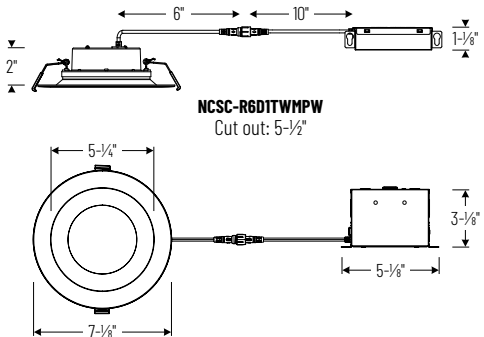
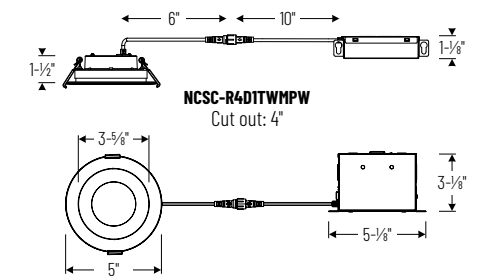
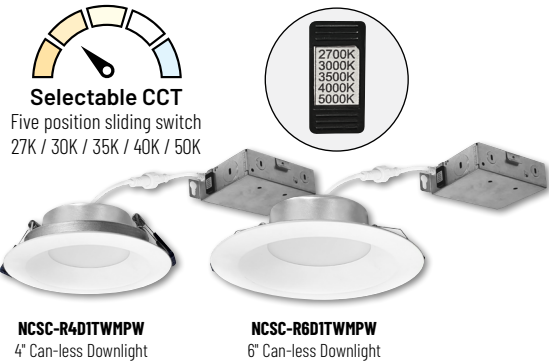
- cETLus Listed for Wet locations
- Certified to the high efficacy requirements of California Title 24 JA8-2022
- [5-Year Limited Warranty](#)
- FCC Compliant



#### Performance Data

| Part Number | 4" Lumens | 6" Lumens | CCT   |
|-------------|-----------|-----------|-------|
| NCSC-RXD    | 756lm     | 899lm     | 2700K |
| NCSC-RXD    | 804lm     | 970lm     | 3000K |
| NCSC-RXD    | 862lm     | 1052lm    | 3500K |
| NCSC-RXD    | 853lm     | 1054lm    | 4000K |
| NCSC-RXD    | 800lm     | 969lm     | 5000K |

#### PRODUCT IMAGES AND DIMENSIONS



SOLD IN PACKS OF 12

| CATALOG NUMBER | UPC          | CASE QTY. | DESCRIPTION                                   | LUMENS / WATTAGE | PALLET QTY. |
|----------------|--------------|-----------|-----------------------------------------------|------------------|-------------|
| NCSC-R4DITWMPW | 732180816804 | 12 PCS.   | 4" Can-less LED Downlight with Deep Reflector | 850lm / 10W      | 90          |
| NCSC-R6DITWMPW | 732180816811 | 12 PCS.   | 6" Can-less LED Downlight with Deep Reflector | 1050lm / 12W     | 64          |

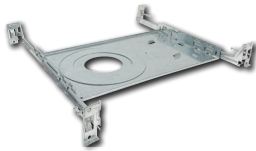
#### OPTIONAL ACCESSORIES

| CATALOG NUMBER | UPC          | CASE QTY. | DESCRIPTION                                            |
|----------------|--------------|-----------|--------------------------------------------------------|
| NEFLINTW-EW-4  | 732180018765 | 1 PC.     | 4' Quick Connect Extension Cable                       |
| NEFLINTW-EW-20 | 732180018826 | 1 PC.     | 20' Quick Connect Extension Cable                      |
| NEPK-20LEDUNV  | 732180780303 | 1 PC.     | Emergency Battery with Remote Test Switch              |
| NF-R246        | 732180803002 | 1 PC.     | Universal New Construction Frame-In for 4" Downlight   |
| NFC-R430       | 732180803064 | 1 PC.     | New Construction Frame-In with Collar for 4" Downlight |
| NFC-R55        | 732180803132 | 1 PC.     | New Construction Frame-In with Collar for 6" Downlight |

Example: **NCSC-R6DITWMPW** = 6" Can-less LED Downlight with Deep Reflector, Selectable CCT, Matte Powder White Finish, 120VAC input; Triac or ELV dimming (Bulk Pack: 12 Pieces)

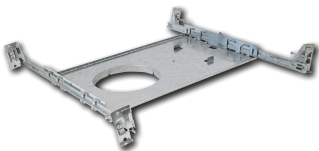
**NCSC-R4D / NCSC-R6D**  
4" & 6" Can-less LED Downlight with Deep Reflector Accessories

|             |  |
|-------------|--|
| Type        |  |
| Project     |  |
| Catalog No. |  |
| Notes       |  |



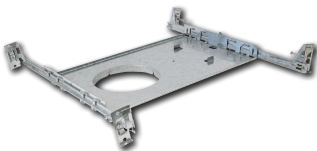
Universal New Construction Frame-In for 4" Downlight only

**NF-R246**  
New construction frame-in can be used to assist installing can-less recessed downlighting. Helps indicate wiring location and cutting guide.



New Construction Frame-In with Collar for 4" Downlight

**NFC-R430**  
New construction frame-in can be used to assist installing can-less recessed downlighting.



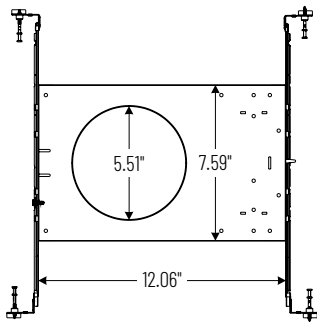
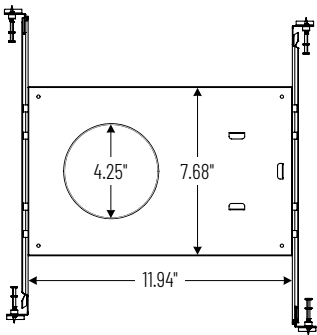
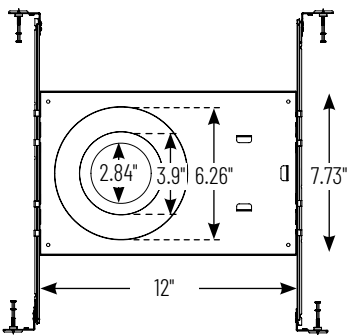
New Construction Frame-In with Collar for 6" Downlight

**NFC-R55**  
New construction frame-in can be used to assist installing can-less recessed downlighting.



Emergency Battery with Remote Test Switch

**NEPK-20LEDUNV**  
120-277V Emergency battery operates luminaire for 90 minute emergency operation with a fully charged battery. Requires 24 hours to for full charge.



Quick Connect Extension Linkable Cables

**NEFLINTW-EW-4** 4' Cable  
**NEFLINTW-EW-20** 10' Cable  
Use to extend the length between luminaire and driver enclosure. Can be connected together to create custom lengths. Maximum length between luminaire and driver is 40'. For longer remote driver remote run length, consult factory.

# PHOTOMETRICS

## 4" Can-less LED Downlight with Deep Reflector Contractor Series

### Type

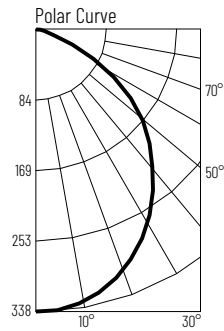
### Project

### Catalog No.

### Notes

#### Test Information

Test Number: NTR2301R1  
Part Number: NCSC-R4D1TWMPW  
Beam Spread: 99° Flood  
Lumens: 756lm  
Wattage: 10.06W  
Efficacy: 75lpw  
CCT / CRI: 2700K / 90 CRI  
Spacing Criteria (0°-180°): 1.2  
Spacing Criteria (90°-270°): 1.2



#### Illuminance at a Distance

| Distance from Luminaire | FC at Nadir | Beam Diameter |
|-------------------------|-------------|---------------|
| 4'                      | 21.1fc      | 9'-4"         |
| 6'                      | 9.4fc       | 14'           |
| 8'                      | 5.3fc       | 18'-7"        |
| 10'                     | 3.4fc       | 23'-4"        |
| 12'                     | 2.3fc       | 27'-11"       |

#### Zonal Lumen Summary

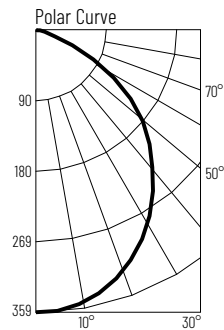
| Zone   | Lumens | % Luminaire |
|--------|--------|-------------|
| 0-30   | 211    | 27.9        |
| 0-40   | 345    | 45.6        |
| 0-60   | 659    | 87.1        |
| 0-90   | 756    | 100         |
| 90-180 | 0      | 0           |
| 0-180  | 756    | 100         |

#### Candela Table

| Vertical Angles | Candela |
|-----------------|---------|
| 0               | 338     |
| 5               | 335     |
| 15              | 319     |
| 25              | 288     |
| 35              | 244     |
| 45              | 193     |

#### Test Information

Test Number: NTR2302R1  
Part Number: NCSC-R4D1TWMPW  
Beam Spread: 99° Flood  
Lumens: 804lm  
Wattage: 9.94W  
Efficacy: 81lpw  
CCT / CRI: 3000K / 90 CRI  
Spacing Criteria (0°-180°): 1.2  
Spacing Criteria (90°-270°): 1.2



#### Illuminance at a Distance

| Distance from Luminaire | FC at Nadir | Beam Diameter |
|-------------------------|-------------|---------------|
| 4'                      | 22.4fc      | 9'-5"         |
| 6'                      | 10fc        | 14'           |
| 8'                      | 5.6fc       | 18'-8"        |
| 10'                     | 3.6fc       | 23'-5"        |
| 12'                     | 2.5fc       | 28'-1"        |

#### Zonal Lumen Summary

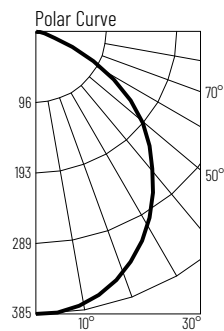
| Zone   | Lumens | % Luminaire |
|--------|--------|-------------|
| 0-30   | 270    | 33.6        |
| 0-40   | 433    | 53.8        |
| 0-60   | 717    | 89.1        |
| 0-90   | 804    | 95.8        |
| 90-180 | 0      | 0           |
| 0-180  | 804    | 100         |

#### Candela Table

| Vertical Angles | Candela |
|-----------------|---------|
| 0               | 359     |
| 5               | 357     |
| 15              | 340     |
| 25              | 307     |
| 35              | 260     |
| 45              | 206     |

#### Test Information

Test Number: NTR2303R1  
Part Number: NCSC-R4D1TWMPW  
Beam Spread: 99° Flood  
Lumens: 862lm  
Wattage: 9.63W  
Efficacy: 90lpw  
CCT / CRI: 3500K / 90 CRI  
Spacing Criteria (0°-180°): 1.2  
Spacing Criteria (90°-270°): 1.18



#### Illuminance at a Distance

| Distance from Luminaire | FC at Nadir | Beam Diameter |
|-------------------------|-------------|---------------|
| 4'                      | 24.1fc      | 9'-5"         |
| 6'                      | 10.7fc      | 14'           |
| 8'                      | 6fc         | 18'-8"        |
| 10'                     | 3.9fc       | 23'-5"        |
| 12'                     | 2.7fc       | 28'-1"        |

#### Zonal Lumen Summary

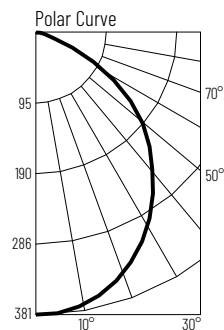
| Zone   | Lumens | % Luminaire |
|--------|--------|-------------|
| 0-30   | 241    | 27.9        |
| 0-40   | 393    | 45.6        |
| 0-60   | 751    | 87.2        |
| 0-90   | 862    | 100         |
| 90-180 | 0      | 0           |
| 0-180  | 862    | 100         |

#### Candela Table

| Vertical Angles | Candela |
|-----------------|---------|
| 0               | 385     |
| 5               | 382     |
| 15              | 364     |
| 25              | 328     |
| 35              | 279     |
| 45              | 221     |

#### Test Information

Test Number: NTR2304R1  
Part Number: NCSC-R4D1TWMPW  
Beam Spread: 99° Flood  
Lumens: 853lm  
Wattage: 9.7W  
Efficacy: 88lpw  
CCT / CRI: 4000K / 90 CRI  
Spacing Criteria (0°-180°): 1.2  
Spacing Criteria (90°-270°): 1.2



#### Illuminance at a Distance

| Distance from Luminaire | FC at Nadir | Beam Diameter |
|-------------------------|-------------|---------------|
| 4'                      | 23.8fc      | 9'-5"         |
| 6'                      | 10.6fc      | 14'-1"        |
| 8'                      | 6fc         | 18'-10"       |
| 10'                     | 3.8fc       | 23'-5"        |
| 12'                     | 2.6fc       | 28'-1"        |

#### Zonal Lumen Summary

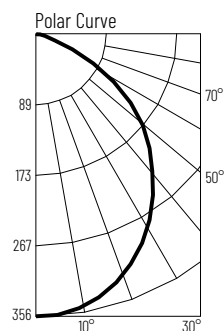
| Zone   | Lumens | % Luminaire |
|--------|--------|-------------|
| 0-30   | 287    | 33.6        |
| 0-40   | 458    | 53.7        |
| 0-60   | 760    | 89.1        |
| 0-90   | 853    | 100         |
| 90-180 | 0      | 0           |
| 0-180  | 853    | 100         |

#### Candela Table

| Vertical Angles | Candela |
|-----------------|---------|
| 0               | 381     |
| 5               | 378     |
| 15              | 360     |
| 25              | 326     |
| 35              | 276     |
| 45              | 219     |

#### Test Information

Test Number: NTR2305R1  
Part Number: NCSC-R4D1TWMPW  
Beam Spread: 99° Flood  
Lumens: 800lm  
Wattage: 9.9W  
Efficacy: 81lpw  
CCT / CRI: 5000K / 90 CRI  
Spacing Criteria (0°-180°): 1.2  
Spacing Criteria (90°-270°): 1.2



#### Illuminance at a Distance

| Distance from Luminaire | FC at Nadir | Beam Diameter |
|-------------------------|-------------|---------------|
| 4'                      | 22.3fc      | 9'-5"         |
| 6'                      | 9.9fc       | 14'-1"        |
| 8'                      | 5.6fc       | 18'-10"       |
| 10'                     | 3.6fc       | 23'-6"        |
| 12'                     | 2.5fc       | 28'-2"        |

#### Zonal Lumen Summary

| Zone   | Lumens | % Luminaire |
|--------|--------|-------------|
| 0-30   | 268    | 33.5        |
| 0-40   | 429    | 53.6        |
| 0-60   | 712    | 89          |
| 0-90   | 800    | 100         |
| 90-180 | 0      | 0           |
| 0-180  | 800    | 100         |

#### Candela Table

| Vertical Angles | Candela |
|-----------------|---------|
| 0               | 356     |
| 5               | 354     |
| 15              | 337     |
| 25              | 305     |
| 35              | 259     |
| 45              | 205     |

# PHOTOMETRICS

## 6" Can-less LED Downlight with Deep Reflector Contractor Series

Type

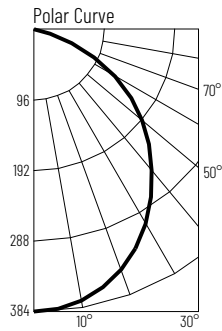
Project

Catalog No.

Notes

### Test Information

Test Number: NTR2311R1  
Part Number: NCSC-R6D1TWMPW  
Beam Spread: 100° Flood  
Lumens: 899lm  
Wattage: 11.4W  
Efficacy: 79lpw  
CCT / CRI: 2700K / 90 CRI  
Spacing Criteria (0°-180°): 1.2  
Spacing Criteria (90°-270°): 1.2



### Illuminance at a Distance

| Distance from Luminaire | FC at Nadir | Beam Diameter |
|-------------------------|-------------|---------------|
| 4'                      | 24fc        | 9'-7"         |
| 6'                      | 10.7fc      | 14'-4"        |
| 8'                      | 6fc         | 19'-1"        |
| 10'                     | 3.8fc       | 23'-11"       |
| 12'                     | 2.7fc       | 28'-8"        |

### Zonal Lumen Summary

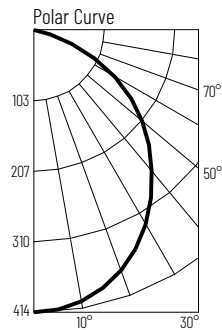
| Zone   | Lumens | % Luminaire |
|--------|--------|-------------|
| 0-30   | 290    | 32.2        |
| 0-40   | 464    | 51.5        |
| 0-60   | 777    | 86.4        |
| 0-90   | 899    | 100         |
| 90-180 | 0      | 0           |
| 0-180  | 899    | 100         |

### Candela Table

| Vertical Angles | Candela |
|-----------------|---------|
| 0               | 384     |
| 5               | 381     |
| 15              | 363     |
| 25              | 329     |
| 35              | 279     |
| 45              | 221     |

### Test Information

Test Number: NTR2312R1  
Part Number: NCSC-R6D1TWMPW  
Beam Spread: 100° Flood  
Lumens: 970lm  
Wattage: 11.24W  
Efficacy: 86lpw  
CCT / CRI: 3000K / 90 CRI  
Spacing Criteria (0°-180°): 1.2  
Spacing Criteria (90°-270°): 1.2



### Illuminance at a Distance

| Distance from Luminaire | FC at Nadir | Beam Diameter |
|-------------------------|-------------|---------------|
| 4'                      | 25.9fc      | 9'-7"         |
| 6'                      | 11.5fc      | 14'-5"        |
| 8'                      | 6.5fc       | 19'-2"        |
| 10'                     | 4.1fc       | 23'-11"       |
| 12'                     | 2.9fc       | 28'-8"        |

### Zonal Lumen Summary

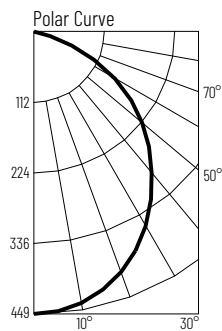
| Zone   | Lumens | % Luminaire |
|--------|--------|-------------|
| 0-30   | 312    | 32.2        |
| 0-40   | 499    | 51.5        |
| 0-60   | 838    | 86.4        |
| 0-90   | 970    | 100         |
| 90-180 | 0      | 0           |
| 0-180  | 970    | 100         |

### Candela Table

| Vertical Angles | Candela |
|-----------------|---------|
| 0               | 414     |
| 5               | 410     |
| 15              | 392     |
| 25              | 354     |
| 35              | 301     |
| 45              | 239     |

### Test Information

Test Number: NTR2313R1  
Part Number: NCSC-R6D1TWMPW  
Beam Spread: 100° Flood  
Lumens: 1052lm  
Wattage: 10.89W  
Efficacy: 97lpw  
CCT / CRI: 3500K / 90 CRI  
Spacing Criteria (0°-180°): 1.2  
Spacing Criteria (90°-270°): 1.2



### Illuminance at a Distance

| Distance from Luminaire | FC at Nadir | Beam Diameter |
|-------------------------|-------------|---------------|
| 4'                      | 28fc        | 9'-7"         |
| 6'                      | 12.5fc      | 14'-5"        |
| 8'                      | 7fc         | 19'-2"        |
| 10'                     | 4.5fc       | 24'           |
| 12'                     | 3.1fc       | 28'-10"       |

### Zonal Lumen Summary

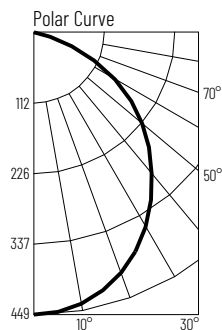
| Zone   | Lumens | % Luminaire |
|--------|--------|-------------|
| 0-30   | 338    | 32.2        |
| 0-40   | 542    | 51.5        |
| 0-60   | 909    | 86.5        |
| 0-90   | 1052   | 100         |
| 90-180 | 0      | 0           |
| 0-180  | 1052   | 100         |

### Candela Table

| Vertical Angles | Candela |
|-----------------|---------|
| 0               | 449     |
| 5               | 446     |
| 15              | 425     |
| 25              | 384     |
| 35              | 326     |
| 45              | 259     |

### Test Information

Test Number: NTR2314R1  
Part Number: NCSC-R6D1TWMPW  
Beam Spread: 100° Flood  
Lumens: 1054lm  
Wattage: 10.91W  
Efficacy: 97lpw  
CCT / CRI: 4000K / 90 CRI  
Spacing Criteria (0°-180°): 1.2  
Spacing Criteria (90°-270°): 1.2



### Illuminance at a Distance

| Distance from Luminaire | FC at Nadir | Beam Diameter |
|-------------------------|-------------|---------------|
| 4'                      | 28.1fc      | 9'-7"         |
| 6'                      | 12.5fc      | 14'-5"        |
| 8'                      | 7fc         | 19'-2"        |
| 10'                     | 4.5fc       | 24'           |
| 12'                     | 3.1fc       | 28'-10"       |

### Zonal Lumen Summary

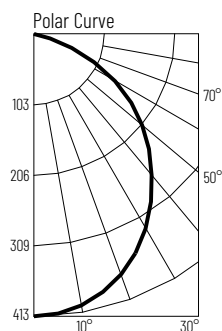
| Zone   | Lumens | % Luminaire |
|--------|--------|-------------|
| 0-30   | 339    | 32.1        |
| 0-40   | 542    | 51.5        |
| 0-60   | 910    | 86.4        |
| 0-90   | 1054   | 100         |
| 90-180 | 0      | 0           |
| 0-180  | 1054   | 100         |

### Candela Table

| Vertical Angles | Candela |
|-----------------|---------|
| 0               | 449     |
| 5               | 446     |
| 15              | 425     |
| 25              | 384     |
| 35              | 326     |
| 45              | 259     |

### Test Information

Test Number: NTR2315R1  
Part Number: NCSC-R6D1TWMPW  
Beam Spread: 100° Flood  
Lumens: 969lm  
Wattage: 11.19W  
Efficacy: 87lpw  
CCT / CRI: 5000K / 90 CRI  
Spacing Criteria (0°-180°): 1.2  
Spacing Criteria (90°-270°): 1.2



### Illuminance at a Distance

| Distance from Luminaire | FC at Nadir | Beam Diameter |
|-------------------------|-------------|---------------|
| 4'                      | 25.8fc      | 9'-7"         |
| 6'                      | 11.5fc      | 14'-5"        |
| 8'                      | 6.5fc       | 19'-2"        |
| 10'                     | 4.1fc       | 24'           |
| 12'                     | 2.9fc       | 28'-10"       |

### Zonal Lumen Summary

| Zone   | Lumens | % Luminaire |
|--------|--------|-------------|
| 0-30   | 311    | 32.1        |
| 0-40   | 498    | 51.4        |
| 0-60   | 836    | 86.3        |
| 0-90   | 969    | 100         |
| 90-180 | 0      | 0           |
| 0-180  | 969    | 100         |

### Candela Table

| Vertical Angles | Candela |
|-----------------|---------|
| 0               | 413     |
| 5               | 410     |
| 15              | 390     |
| 25              | 353     |
| 35              | 299     |
| 45              | 238     |