

# Juno®

## JunoConnect Wafer™

6" LED Tunable White Wafer Downlight  
1000 Lumen

### WF6C Series



Works with  
SmartThings

WORKS WITH  
alexa

Works with  
Hey Google

ZigBee®

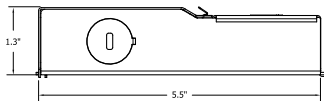
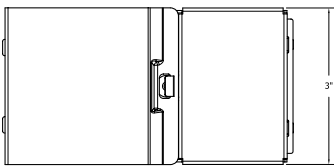
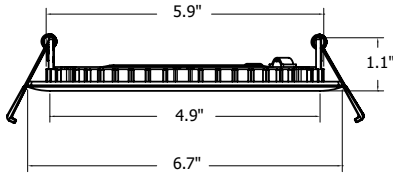
Bluetooth®

ENERGY STAR  
TITLE 24  
PART 4

WET LOCATION™

AIR-LOC

### Dimensions



### ORDERING INFORMATION

#### Downlight

Example: WF6C RD TUWH MW

| Series                                  | Trim Style      | Color Temperature                       | Finish                |
|-----------------------------------------|-----------------|-----------------------------------------|-----------------------|
| <b>WF6C</b> 6" Wafer-Thin LED Downlight | <b>RD</b> Round | <b>TUWH</b> Tunable White (2700K-5000K) | <b>MW</b> Matte White |

Project:

Fixture Type:

Location:

Contact/Phone:

### Product Features

The JunoConnect Wafer™ with Tunable White CCT's is the perfect way to get started with connected home lighting. Once commissioned, it can be controlled through an app or voice commands.

Connect the JunoConnect™ directly to any Apple or Android phone using Bluetooth or Zigbee. Commission through the free SmartThings app or Alexa and Google voice assistant apps.

Once installed, controlling the lighting from your mobile device is simple and easy to customize lighting from on/off, fine-tuning the color temperatures (2700K to 5000K), dimming to set the mood, and grouping to control an entire area's lighting at once.

Easy installation and servicing

- Low profile integrated LED downlight, no housing required
- Easy to handle compact size
- Installs into wood joists with new construction pan

### Applications

- Residential and commercial applications including multi-family, hotels, assisted living, dormitories and other multi-level construction
- Shallow plenum, new construction
- IC rated - for direct contact with insulation

### Performance

|                       |                                |
|-----------------------|--------------------------------|
| Delivered Lumens      | up to 1000L                    |
| LED Color Temperature | Tunable White (2700K to 5000K) |
| CRI                   | 90+                            |
| Voltage               | Dedicated 120V                 |
| Dimming               | Dimmable to 1%                 |

### Specifications

|                  |       |
|------------------|-------|
| Aperture:        | 4.9"  |
| Ceiling opening: | 6.25" |
| Overlap trim:    | 6.7"  |
| Height:          | 1.1"  |

Accessories: Order as separate catalog number.

| Series             |                                            |
|--------------------|--------------------------------------------|
| WF8643 PAN U       | Universal New Construction Pan             |
| WF8663 PAN U       | Universal New Construction Pan             |
| WF6 PAN R12        | 6" new construction pan, retail pack of 12 |
| WFJB U             | Remodel Joist Bar                          |
| WFEXC6 SW3PIN FT4  | 3-Pin 6ft Cable                            |
| WFEXC10 SW3PIN FT4 | 3-Pin 10ft Cable                           |
| WFEXC20 SW3PIN FT4 | 3-Pin 20ft Cable                           |



WF8643 UNIVERSAL  
New Construction Pan



WF6 PAN



Remodel Joist Bar



WFEXC6  
Cable

PERFORMANCE DATA

|                       | WF6C                                     |
|-----------------------|------------------------------------------|
| Input Voltage         | 120V                                     |
| Input Power Typical   | 13.5W (+/-5%)                            |
| Frequency             | 50/60 Hz                                 |
| EMI/RFI               | FCC Title 47, Part 15 Class B (consumer) |
| Minimum Starting Temp | -25°C                                    |
| CRI                   | 90 min.                                  |
| CCT                   | 2700K-5000K                              |

**Note:** Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25°C.



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### 1000 Lumen

WF6C



## PHOTOMETRICS

Distribution Curve

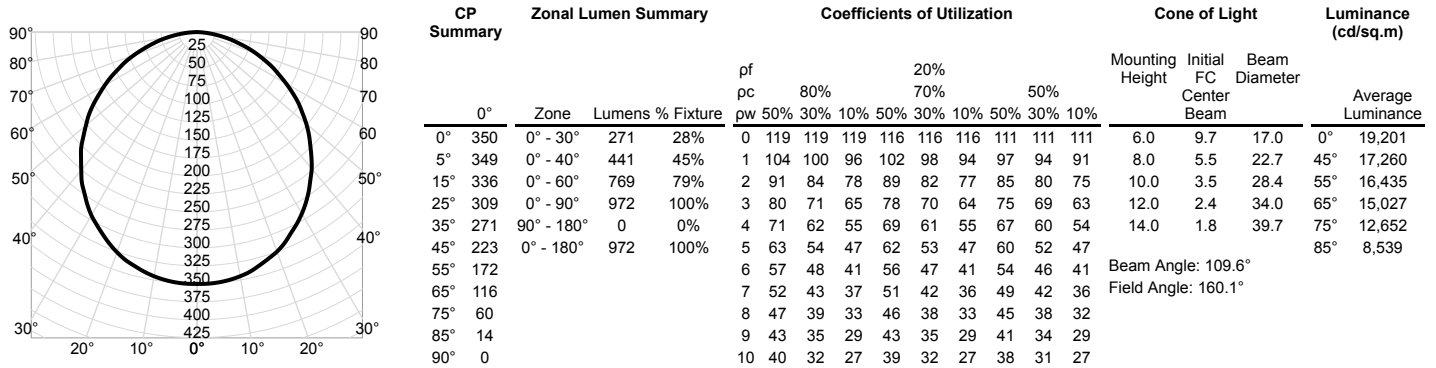
Distribution Data

Output Data

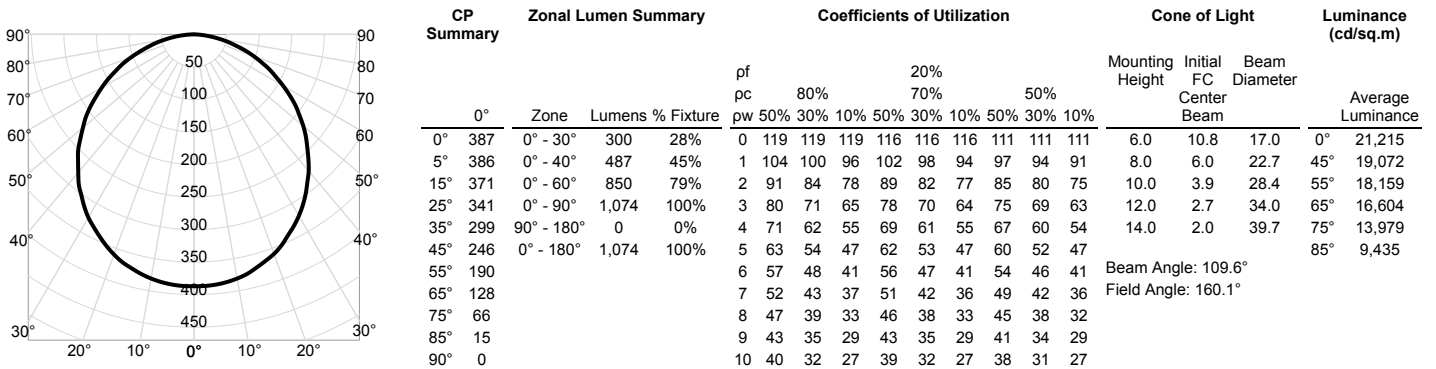
Coefficient of Utilization

Illuminance Data at 30" Above  
Floor for a Single Luminaire

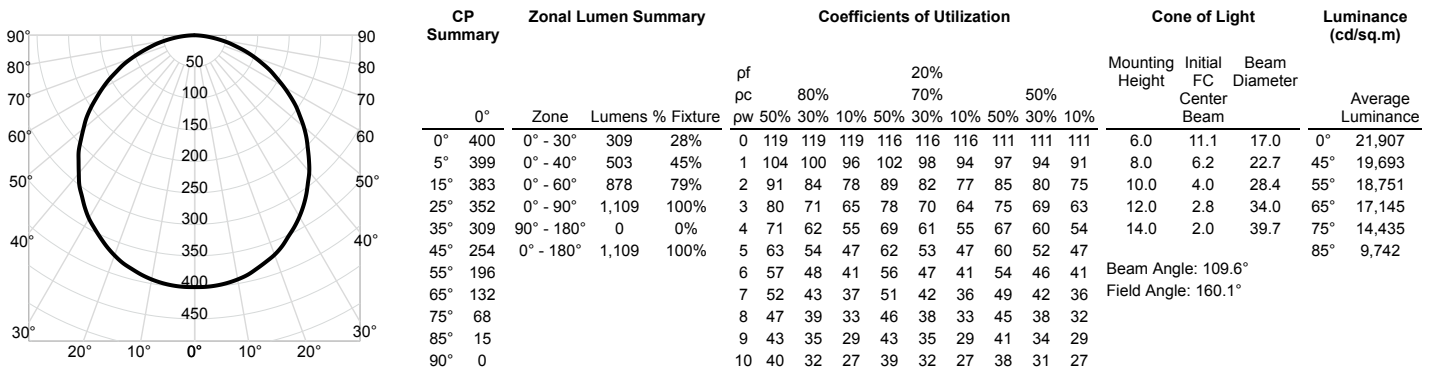
WF6C RD TUHW MW M6 \_ 2700K Input Watts: 14.6, Delivered Lumens: 972, LPW: 66.6, S/MH: 1.23, Test No: ISF 21196P2



WF6C RD TUHW MW M6 \_ 3000K Input Watts: 15.3, Delivered Lumens: 1074, LPW: 70.2, S/MH: 1.23, Test No: ISF 21196P1



WF6C RD TUHW MW M6 \_ 3500K Input Watts: 14.1, Delivered Lumens: 1109, LPW: 78.7, S/MH: 1.23, Test No: ISF 21196P3





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### 1000 Lumen



## PHOTOMETRICS

Distribution Curve

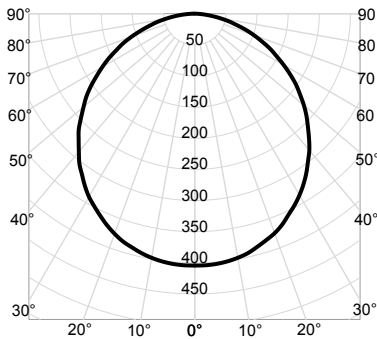
Distribution Data

Output Data

Coefficient of Utilization

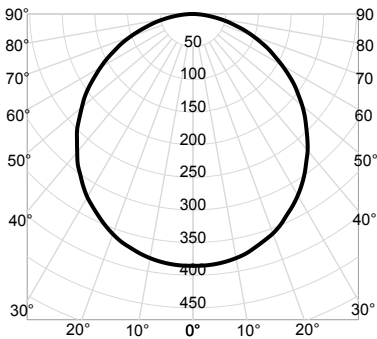
Illuminance Data at 30" Above  
Floor for a Single Luminaire

WF6C RD TUHW MW M6 \_ 4000K Input Watts: 14.0, Delivered Lumens: 1122, LPW: 80.1, S/MH: 1.23, Test No: ISF 21196P4



| CP Summary |     | Zonal Lumen Summary |        |           |    | Coefficients of Utilization |     |     |     |     |     |     |     |     |                                           | Cone of Light          |               |     | Luminance (cd/sq.m) |  |
|------------|-----|---------------------|--------|-----------|----|-----------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-------------------------------------------|------------------------|---------------|-----|---------------------|--|
|            |     |                     |        |           |    | pf                          |     |     |     |     | 20% |     |     |     | Mounting Height                           | Initial FC Center Beam | Beam Diameter |     |                     |  |
|            |     |                     |        |           | pc | 50%                         | 80% | 30% | 10% | 50% | 30% | 10% | 50% | 30% |                                           |                        |               | 10% | Average Luminance   |  |
| 0°         |     | Zone                | Lumens | % Fixture | pw | 50%                         | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% |                                           |                        |               | 0°  | 22,164              |  |
| 0°         | 404 | 0° - 30°            | 313    | 28%       | 0  | 119                         | 119 | 119 | 116 | 116 | 116 | 111 | 111 | 111 | 6.0                                       | 11.2                   | 17.0          | 0°  | 22,164              |  |
| 5°         | 403 | 0° - 40°            | 509    | 45%       | 1  | 104                         | 100 | 96  | 102 | 98  | 94  | 97  | 94  | 91  | 8.0                                       | 6.3                    | 22.7          | 45° | 19,924              |  |
| 15°        | 388 | 0° - 60°            | 888    | 79%       | 2  | 91                          | 84  | 78  | 89  | 82  | 77  | 85  | 80  | 75  | 10.0                                      | 4.0                    | 28.4          | 55° | 18,971              |  |
| 25°        | 356 | 0° - 90°            | 1,122  | 100%      | 3  | 80                          | 71  | 65  | 78  | 70  | 64  | 75  | 69  | 63  | 12.0                                      | 2.8                    | 34.0          | 65° | 17,346              |  |
| 35°        | 312 | 90° - 180°          | 0      | 0%        | 4  | 71                          | 62  | 55  | 69  | 61  | 55  | 67  | 60  | 54  | 14.0                                      | 2.1                    | 39.7          | 75° | 14,604              |  |
| 45°        | 257 | 0° - 180°           | 1,122  | 100%      | 5  | 63                          | 54  | 47  | 62  | 53  | 47  | 60  | 52  | 47  |                                           |                        |               | 85° | 9,857               |  |
| 55°        | 198 |                     |        |           | 6  | 57                          | 48  | 41  | 56  | 47  | 41  | 54  | 46  | 41  | Beam Angle: 109.6°<br>Field Angle: 160.1° |                        |               |     |                     |  |
| 65°        | 134 |                     |        |           | 7  | 52                          | 43  | 37  | 51  | 42  | 36  | 49  | 42  | 36  |                                           |                        |               |     |                     |  |
| 75°        | 69  |                     |        |           | 8  | 47                          | 39  | 33  | 46  | 38  | 33  | 45  | 38  | 32  |                                           |                        |               |     |                     |  |
| 85°        | 16  |                     |        |           | 9  | 43                          | 35  | 29  | 43  | 35  | 29  | 41  | 34  | 29  |                                           |                        |               |     |                     |  |
| 90°        | 0   |                     |        |           | 10 | 40                          | 32  | 27  | 39  | 32  | 27  | 38  | 31  | 27  |                                           |                        |               |     |                     |  |

WF6C RD TUHW MW M6 \_ 5000K Input Watts: 14.3, Delivered Lumens: 1070, LPW: 74.8, S/MH: 1.23, Test No: ISF 21196P5



| CP Summary |     | Zonal Lumen Summary |        |           |    | Coefficients of Utilization |     |     |     |     |     |     |     |     |     | Cone of Light                             |                 |                        | Luminance (cd/sq.m) |  |  |
|------------|-----|---------------------|--------|-----------|----|-----------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------------------------------------------|-----------------|------------------------|---------------------|--|--|
|            |     |                     |        |           |    | pf                          |     |     |     |     |     |     |     |     |     |                                           | Mounting Height | Initial FC Center Beam | Beam Diameter       |  |  |
| 0°         |     | Zone                | Lumens | % Fixture | pc | 50%                         | 80% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% |                                           |                 |                        | Average Luminance   |  |  |
| 0°         | 386 | 0° - 30°            | 298    | 28%       | 0  | 119                         | 119 | 119 | 116 | 116 | 116 | 111 | 111 | 111 | 111 | 6.0                                       | 10.7            | 17.0                   | 0° 21,136           |  |  |
| 5°         | 385 | 0° - 40°            | 485    | 45%       | 1  | 104                         | 100 | 96  | 102 | 98  | 94  | 97  | 94  | 91  | 91  | 8.0                                       | 6.0             | 22.7                   | 45° 19,001          |  |  |
| 15°        | 370 | 0° - 60°            | 847    | 79%       | 2  | 91                          | 84  | 78  | 89  | 82  | 77  | 85  | 80  | 75  | 75  | 10.0                                      | 3.9             | 28.4                   | 55° 18,092          |  |  |
| 25°        | 340 | 0° - 90°            | 1,070  | 100%      | 3  | 80                          | 71  | 65  | 78  | 70  | 64  | 75  | 69  | 63  | 63  | 12.0                                      | 2.7             | 34.0                   | 65° 16,542          |  |  |
| 35°        | 298 | 90° - 180°          | 0      | 0%        | 4  | 71                          | 62  | 55  | 69  | 61  | 55  | 67  | 60  | 54  | 54  | 14.0                                      | 2.0             | 39.7                   | 75° 13,927          |  |  |
| 45°        | 245 | 0° - 180°           | 1,070  | 100%      | 5  | 63                          | 54  | 47  | 62  | 53  | 47  | 60  | 52  | 47  | 47  | Beam Angle: 109.6°<br>Field Angle: 160.1° |                 |                        | 85° 9,400           |  |  |
| 55°        | 189 |                     |        |           | 6  | 57                          | 48  | 41  | 56  | 47  | 41  | 54  | 46  | 41  | 41  |                                           |                 |                        |                     |  |  |
| 65°        | 128 |                     |        |           | 7  | 52                          | 43  | 37  | 51  | 42  | 36  | 49  | 42  | 36  | 36  |                                           |                 |                        |                     |  |  |
| 75°        | 66  |                     |        |           | 8  | 47                          | 39  | 33  | 46  | 38  | 33  | 45  | 38  | 32  | 32  |                                           |                 |                        |                     |  |  |
| 85°        | 15  |                     |        |           | 9  | 43                          | 35  | 29  | 43  | 35  | 29  | 41  | 34  | 29  | 29  |                                           |                 |                        |                     |  |  |
| 90°        | 0   |                     |        |           | 10 | 40                          | 32  | 27  | 39  | 32  | 27  | 38  | 31  | 27  | 27  |                                           |                 |                        |                     |  |  |



# JunoConnect Wafer™

## 6" LED Tunable White Wafer Downlight

### 1000 Lumen



## Specifications

### Housing

Aluminum die cast outer frame • Durable, powder coat paint to prevent rust • FT4 plenum rated cable connector to connect from module to remote driver box • IC rated driver • Isolated driver integrated inside steel remote box with four 7/8" knockouts with slots for pryout • Suitable for pulling wires with the 12 cubic-inch wiring compartment to accommodate up to (6) 14 gauge insulated conductors; making the Wafer LED Downlights much easier to wire in 2in/2out (plus ground) daisy-chain applications and contractor friendly • Designed to provide 50,000 hours of life • 3-year warranty on LED components.

### LED Light Engine

LEDs are integrated to one piece high purity aluminum, thermally conductive housing to provide uninterrupted heat transfer to ensure long life of the LED • Tunable color temperature from 2700K to 5000K • 90 CRI minimum • Dimmable to 1%

### Driver

Dedicated 120 volt replaceable driver • Accommodates 120 volts AC at 50/60Hz.

### Optical System

Computer-optimized reflector design with high reflectance white finish coupled with a high transmission diffusing lens conceals the LEDs • Efficient system that can produce over 1000 lumens while using 13.5W • Replaces 75W incandescent.

### Life

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

### Labels

CSA certified to US and Canadian safety standards • Suitable for wet location • Air-Loc certified in accordance with ASTM E283-2004 • NOM Certified • Can be used to comply with California Title 24 Part 6 High Efficacy LED light Source Requirements.

### Testing

All reports are based on published industry procedures; field performance may differ from laboratory performance.

**Warranty** 3-year warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at: [www.acuitybrands.com/support/warranty/terms-and-conditions](http://www.acuitybrands.com/support/warranty/terms-and-conditions)

Specifications subject to change without notice.