

|                |
|----------------|
| Catalog Number |
| Notes          |
| Type           |

## FEATURES & SPECIFICATIONS

**INTENDED USE** — The 6" Wafer™ LED Downlight with Switchable White provides high-quality light output and efficiency featuring a switch for easy color temperature adjustment - while eliminating the need for recessed housings. The innovative, slim design allows for easy retrofit, remodel or new construction installation from below the ceiling. The Wafer LED downlight is wet location listed – making it ideal for use in a breadth of outdoor residential, hospitality, commercial and multifamily applications.

**CONSTRUCTION** — 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 with convenience and value of two remote selectable color temperature options, each with a setting choice to chose either 2700K, 3000K, and 3500K or 3000K, 4000K, and 5000K using the switch. The 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.

**PATENT PENDING.**

**INSTALLATION** — Ideal for shallow ceiling plenum; no housing required. Steel spring clip for easy installation. 6" cut out template is provided to ensure a correct sized hole is cut into ceiling for proper installation of the trim. Size of hole should not exceed 6 1/4 inches for this product. Suitable for installation in t-grid and drop ceiling applications. 2" plenum space required for installation of the remote driver box.

**OPTICS** — Edge-lit LED technology uses light guided plate to distribute light. Polycarbonate lens provides even illumination throughout the space.

**ELECTRICAL** — Connect directly to 120V power supply via provided UL recognized driver. High efficient driver with power factor > 0.9. Ambient operating temperature: -40°F (-40°C) to +104°F (+40°C). Dimming down to 10% with most standard incandescent dimmers (see list of approved dimmers). Replaces 75W incandescent for 1150L lumens and 100W incandescent for lumens.

**LISTINGS** — CSA certified to US and Canadian safety standards. ENERGY STAR® certified product. Wet location. Air Tight 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.

**WARRANTY** — 5-year limited warranty. Complete warranty terms located at: [www.acuitybrands.com/CustomerResources/Terms\\_and\\_conditions.aspx](http://www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx)

**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. Specifications subject to change without notice.

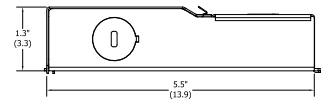
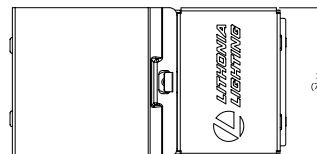
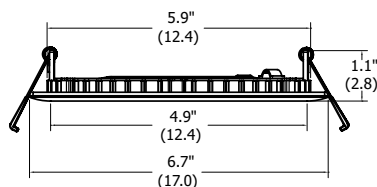
### Wafer LED Recessed Downlight

# WF6 6" LED Switchable White Color Temperature

IC/Non-IC  
New Construction/Remodel



| Specifications   |            |
|------------------|------------|
| Aperture:        | 4.9 (12.4) |
| Ceiling opening: | 6 (15.2)   |
| Overlap trim:    | 6.7 (17)   |
| Height:          | 1.1 (2.8)  |



All dimensions are in inches (centimeters) unless otherwise indicated.

### ORDERING INFORMATION

For shortest lead times, configure product using **standard options (shown in bold)**.

**Example:** WF4 LED 30K40K50K 90CRI MW

| WF6 Series                      | Lamp         | CCT/W/Lumens <sup>1</sup>  | CRI                | Finish  |
|---------------------------------|--------------|--|--------------------|---|
| WF6 6" wafer-thin LED downlight | LL Low Lumen | <b>27K30K35K</b> 2700K/10W/830L<br>3000K/10W/900L<br>3500K/10W/860L    | <b>90CRI</b> 90CRI | <b>MW</b> Matte White   |
|                                 |              | <b>30K40K50K</b> 3000K/10W/850L<br>4000K/10W/920L<br>5000K/10W/880L    |                    | <b>MB</b> Matte Black<br><b>BN</b> Brush Nickel<br><b>ORB</b> Oil-Rubbed Bronze |
|                                 | LED LED      | <b>27K30K35K</b> 2700K/14W/1040L<br>3000K/14W/1150L<br>3500K/14W/1110L |                    |   |
|                                 |              | <b>30K40K50K</b> 3000K/14W/1090L<br>4000K/14W/1190L<br>5000K/14W/1120L |                    |   |

| Accessories: Order as separate catalog number. |                                |
|--|--------------------------------|
| WF8643 Pan U                                   | Universal new construction pan |
| 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               |



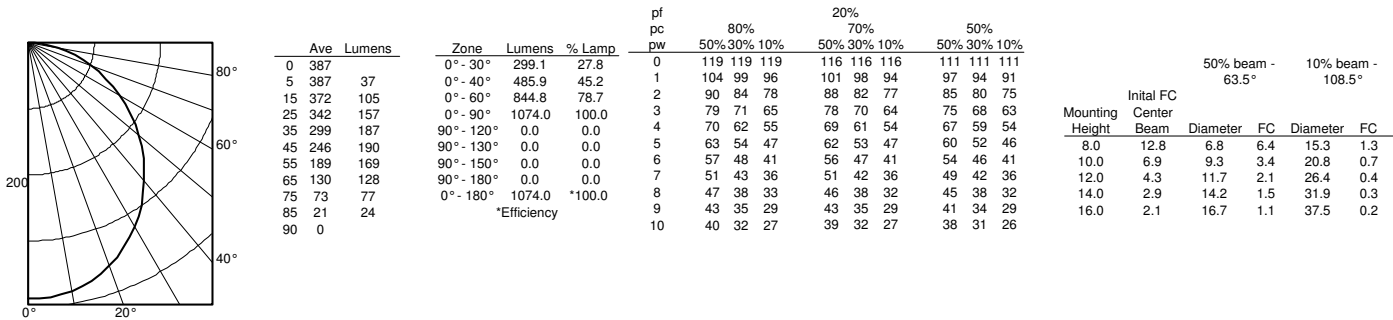
**Notes**  
1 Total system delivered lumens.

# WF6 Switchable White 6" LED Wafer Module

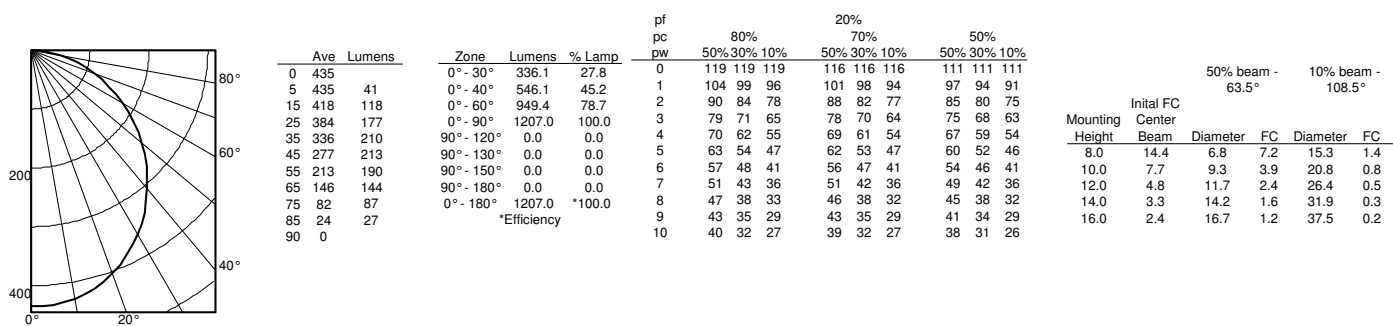
## PHOTOMETRICS

Distribution Curve      Distribution Data      Output Data      Coefficient of Utilization      Illuminance Data at 30" Above Floor for a Single Luminaire

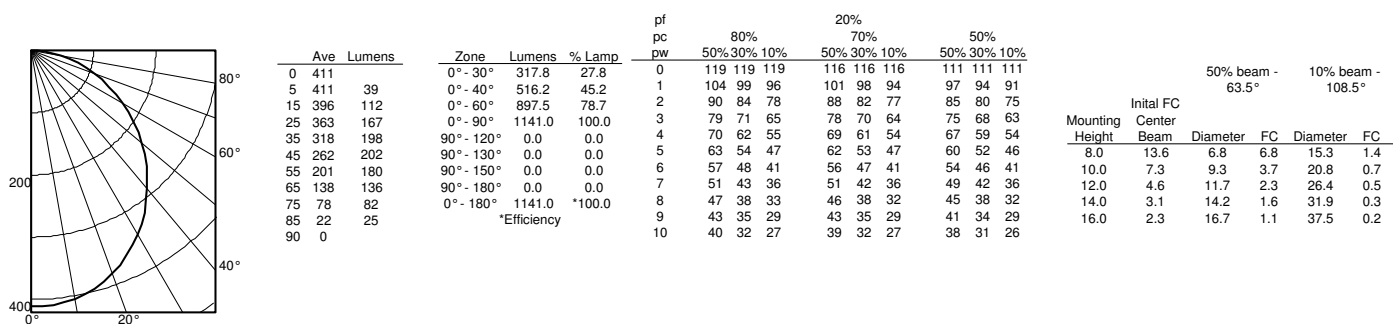
**WF6 LED 27K30K35K, 2700K LEDs, input watts: 14, delivered lumens: 1074, LM/W=77, test no. ISF 36826P7**



**WF6 LED 27K30K35K, 3000K LEDs, input watts: 13, delivered lumens: 1207, LM/W=93, test no. ISF 36826P8**



**WF6 LED 27K30K35K, 3500K LEDs, input watts: 14, delivered lumens: 1141, LM/W=82, test no. ISF 36826P9**

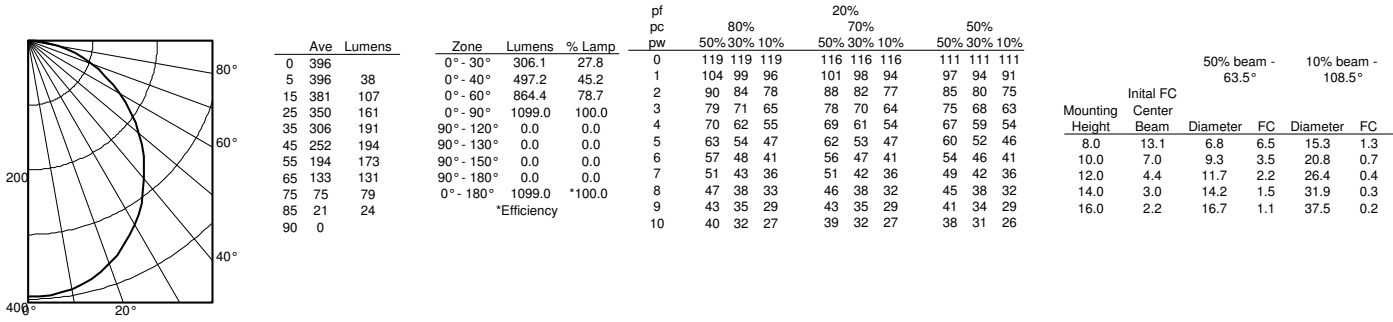


# WF6 Switchable White 6" LED Wafer Module

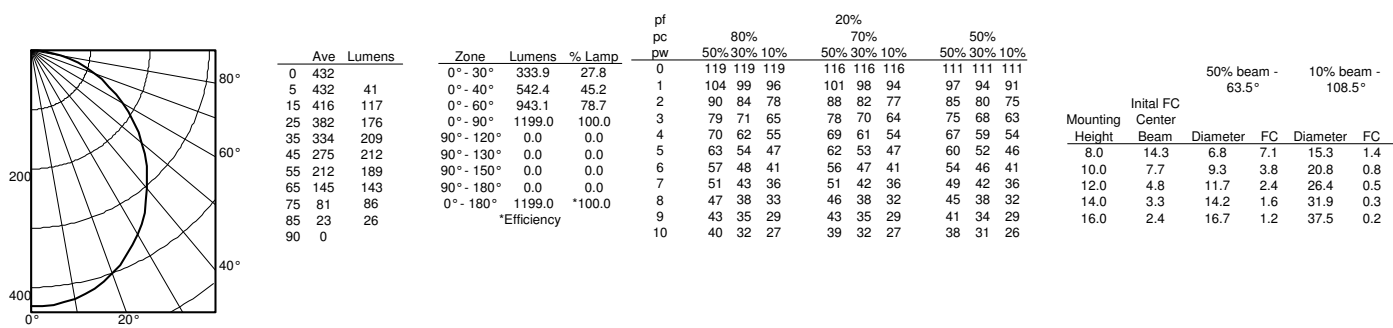
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Distribution Curve      Distribution Data      Output Data      Coefficient of Utilization      Illuminance Data at 30" Above Floor for a Single Luminaire

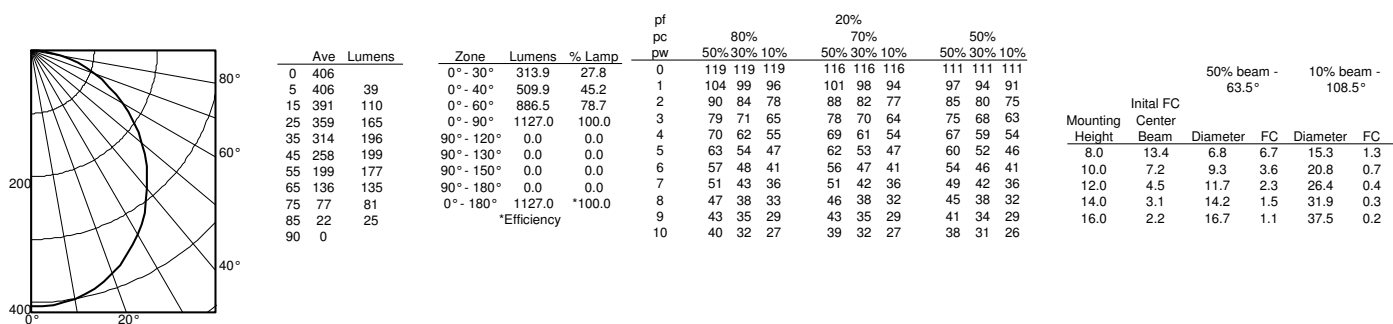
**WF6 LED 30K40K50K, 3000K LEDs, input watts: 14, delivered lumens: 1099, LM/W=79, test no. ISF 36826P10**



**WF6 LED 30K40K50K, 4000K LEDs, input watts: 13, delivered lumens: 1199, LM/W=92, test no. ISF 36826P11**



**WF6 LED 30K40K50K, 5000K LEDs, input watts: 14, delivered lumens: 1127, LM/W=81, test no. ISF 36826P12**



# WF6 Switchable White 6" LED Wafer Module

## PHOTOMETRICS

### Distribution Curve

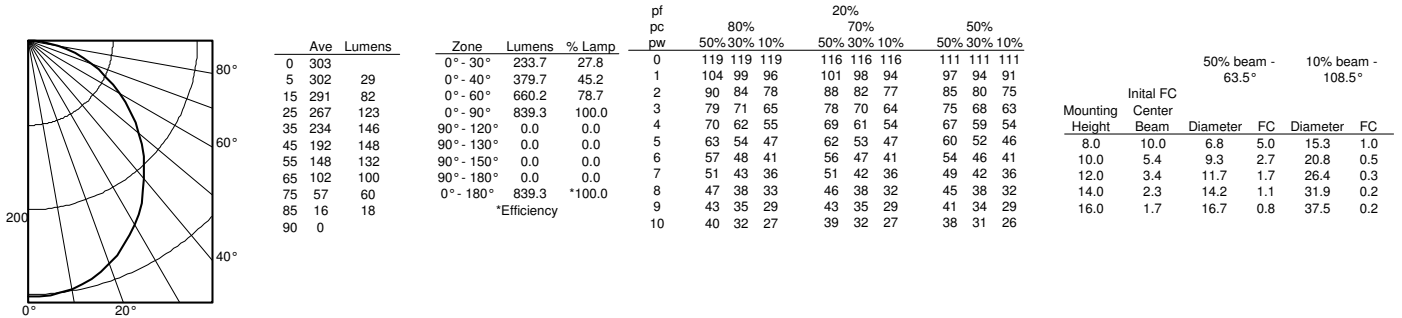
### Distribution Data

### Output Data

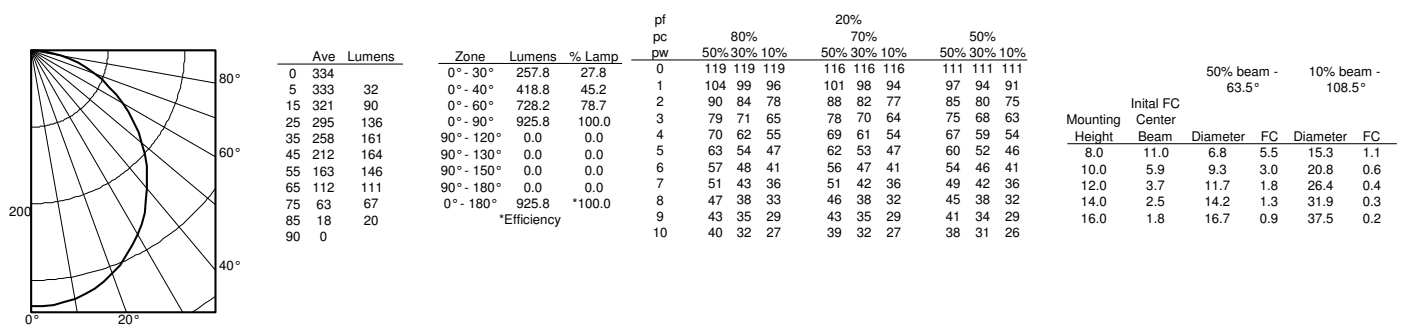
### Coefficient of Utilization

### Illuminance Data at 30" Above Floor for a Single Luminaire

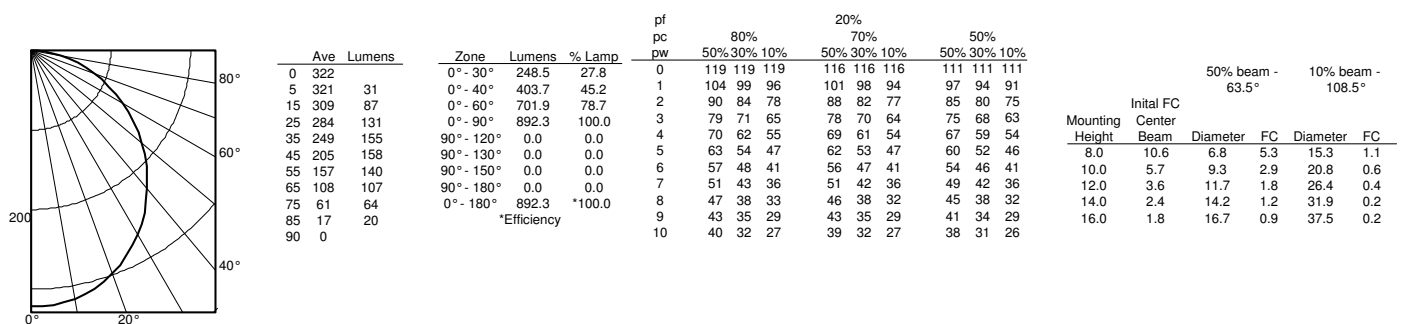
**WF6 LL LED 27K30K35K, 2700K LEDs, input watts: 10, delivered lumens: 839, LM/W=84, test no. ISF 36826P13**



**WF6 LL LED 27K30K35K, 3000K LEDs, input watts: 9.7, delivered lumens: 926, LM/W=95, test no. ISF 36826P14**



**WF6 LL LED 27K30K35K, 3500K LEDs, input watts: 9.9, delivered lumens: 893, LM/W=90, test no. ISF 36826P15**

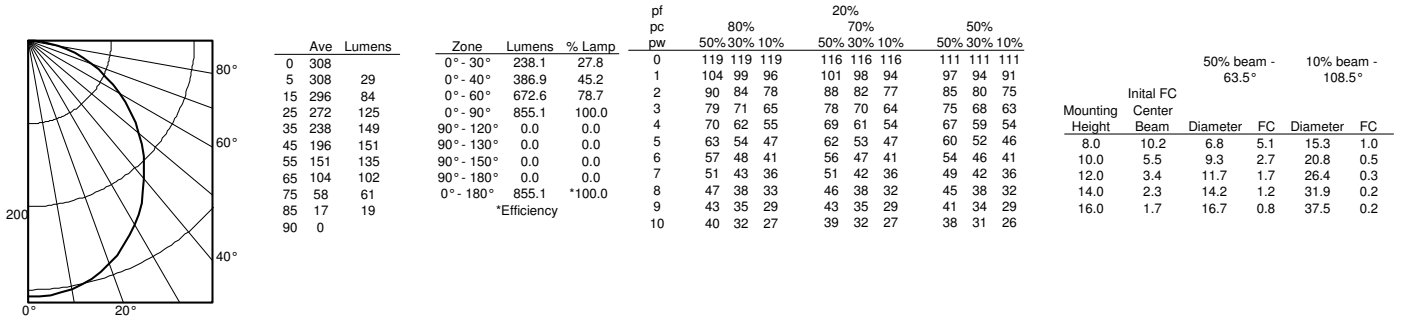


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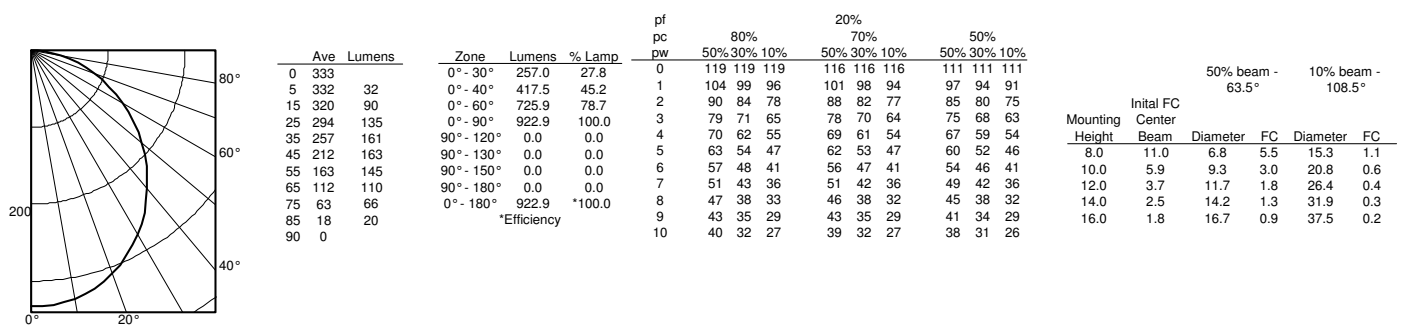
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Distribution Curve      Distribution Data      Output Data      Coefficient of Utilization      Illuminance Data at 30" Above Floor for a Single Luminaire

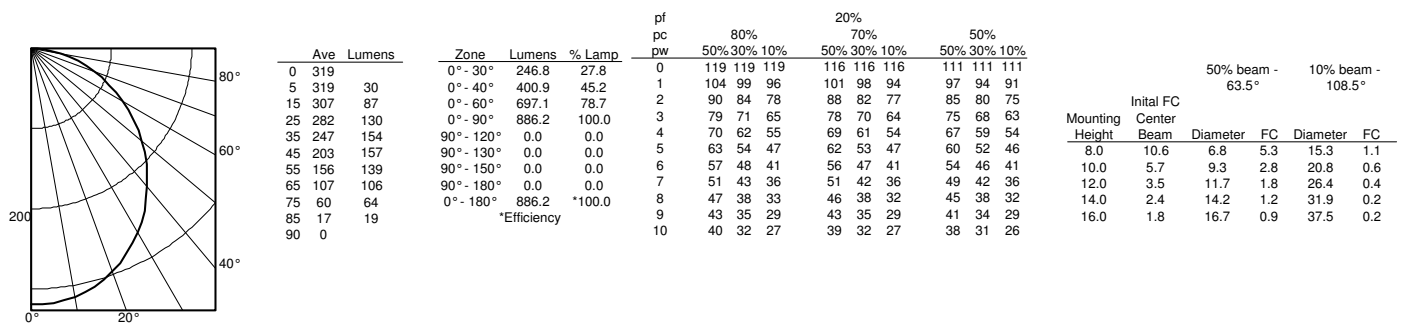
**WF6 LL LED 30K40K50K**, 3000K LEDs, input watts: 10, delivered lumens: 855, LM/W=85, test no. ISF 36826P16



**WF6 LL LED 30K40K50K**, 4000K LEDs, input watts: 10, delivered lumens: 923, LM/W=92, test no. ISF 36826P17



**WF6 LL LED 30K40K50K**, 5000K LEDs, input watts: 10, delivered lumens: 886, LM/W=87, test no. ISF 36826P18



# WF6 Switchable White 6" LED Wafer Module

## ENERGY DATA

| WF6 LED 27K30K35K  |                                    |                                    |                                    |
|--------------------|------------------------------------|------------------------------------|------------------------------------|
| Color Temperature  | 2700K                              | 3000K                              | 3500K                              |
| Lumens             | 1070                               | 1150                               | 1110                               |
| CRI                | 90                                 | 90                                 | 90                                 |
| Rated wattage      | 14.1                               | 13.4                               | 13.9                               |
| Lu/Watts           | 75.9                               | 85.8                               | 79.9                               |
| Min. starting temp | -40°C (-40°F)                      | -40°C (-40°F)                      | -40°C (-40°F)                      |
| EMI/RFI            | FCC Title 47 CFR, Part 15, Class B | FCC Title 47 CFR, Part 15, Class B | FCC Title 47 CFR, Part 15, Class B |
| Sound rating       | Class A Standards                  | Class A Standards                  | Class A Standards                  |
| Input voltage      | 120V                               | 120V                               | 120V                               |
| Min. power factor  | 0.98                               | 0.98                               | 0.98                               |
| Input frequency    | 50/60 Hz                           | 50/60 Hz                           | 50/60 Hz                           |
| Input power        | 120V                               | 120V                               | 120V                               |
| Input current      | 0.12A                              | 0.12A                              | 0.12A                              |

| WF6 LL 27K30K35K   |                                    |                                    |                                    |
|--------------------|------------------------------------|------------------------------------|------------------------------------|
| Color Temperature  | 2700K                              | 3000K                              | 3500K                              |
| Lumens             | 830                                | 900                                | 860                                |
| CRI                | 90                                 | 90                                 | 90                                 |
| Rated wattage      | 10                                 | 9.7                                | 9.9                                |
| Lu/Watts           | 83.0                               | 92.8                               | 86.9                               |
| Min. starting temp | -40°C (-40°F)                      | -40°C (-40°F)                      | -40°C (-40°F)                      |
| EMI/RFI            | FCC Title 47 CFR, Part 15, Class B | FCC Title 47 CFR, Part 15, Class B | FCC Title 47 CFR, Part 15, Class B |
| Sound rating       | Class A Standards                  | Class A Standards                  | Class A Standards                  |
| Input voltage      | 120V                               | 120V                               | 120V                               |
| Min. power factor  | 0.98                               | 0.98                               | 0.98                               |
| Input frequency    | 50/60 Hz                           | 50/60 Hz                           | 50/60 Hz                           |
| Input power        | 120V                               | 120V                               | 120V                               |
| Input current      | 0.08A                              | 0.08A                              | 0.08A                              |

| WF6 LED 30K40K50K  |                                    |                                    |                                    |
|--------------------|------------------------------------|------------------------------------|------------------------------------|
| Color Temperature  | 3000K                              | 4000K                              | 5000K                              |
| Lumens             | 1090                               | 1190                               | 1120                               |
| CRI                | 90                                 | 90                                 | 90                                 |
| Rated wattage      | 13.8                               | 13.4                               | 13.9                               |
| Lu/Watts           | 79.0                               | 88.8                               | 80.6                               |
| Min. starting temp | -40°C (-40°F)                      | -40°C (-40°F)                      | -40°C (-40°F)                      |
| EMI/RFI            | FCC Title 47 CFR, Part 15, Class B | FCC Title 47 CFR, Part 15, Class B | FCC Title 47 CFR, Part 15, Class B |
| Sound rating       | Class A Standards                  | Class A Standards                  | Class A Standards                  |
| Input voltage      | 120V                               | 120V                               | 120V                               |
| Min. power factor  | 0.98                               | 0.98                               | 0.98                               |
| Input frequency    | 50/60 Hz                           | 50/60 Hz                           | 50/60 Hz                           |
| Input power        | 120V                               | 120V                               | 120V                               |
| Input current      | 0.12A                              | 0.12A                              | 0.12A                              |

| WF6 LL 30K40K50K   |                                    |                                    |                                    |
|--------------------|------------------------------------|------------------------------------|------------------------------------|
| Color Temperature  | 3000K                              | 4000K                              | 5000K                              |
| Lumens             | 850                                | 920                                | 880                                |
| CRI                | 90                                 | 90                                 | 90                                 |
| Rated wattage      | 9.9                                | 9.8                                | 10                                 |
| Lu/Watts           | 85.9                               | 93.9                               | 88.0                               |
| Min. starting temp | -40°C (-40°F)                      | -40°C (-40°F)                      | -40°C (-40°F)                      |
| EMI/RFI            | FCC Title 47 CFR, Part 15, Class B | FCC Title 47 CFR, Part 15, Class B | FCC Title 47 CFR, Part 15, Class B |
| Sound rating       | Class A Standards                  | Class A Standards                  | Class A Standards                  |
| Input voltage      | 120V                               | 120V                               | 120V                               |
| Min. power factor  | 0.98                               | 0.98                               | 0.98                               |
| Input frequency    | 50/60 Hz                           | 50/60 Hz                           | 50/60 Hz                           |
| Input power        | 120V                               | 120V                               | 120V                               |
| Input current      | 0.08A                              | 0.08A                              | 0.08A                              |

# WF6 Switchable White 6" LED Wafer Module

## LIGHTING PERFORMANCE DATA



### LOW LUMEN

| LIGHTING PERFORMANCE DATA<br>DONNÉES SUR LE RENDEMENT<br>DE L'ÉCLAIRAGE |    |
|---|----|
| Light Appearance (CCT)<br>Aspect de la lumière (CCT)                    |    |
| 2700K soft white   blanc doux   |    |
| 830 lumens   83 lumens per watt   |    |
| 3000K warm white   blanc chaud  |    |
| 900 lumens   90 lumens per watt   |    |
| 3500K neutral white   blanc neutre                                      |    |
| 860 lumens   86 lumens per watt   |    |
| Watts   | 10 |
| Color Accuracy (CRI)  | 90 |
| Précision des couleurs (CRI)  |    |

| LIGHTING PERFORMANCE DATA<br>DONNÉES SUR LE RENDEMENT<br>DE L'ÉCLAIRAGE |    |
|---|----|
| Light Appearance (CCT)<br>Aspect de la lumière (CCT)                    |    |
| 3000K warm white   blanc chaud  |    |
| 850 lumens   85 lumens per watt   |    |
| 4000K cool white   blanc froid  |    |
| 920 lumens   92 lumens per watt   |    |
| 5000K daylight   blanc neutre   |    |
| 880 lumens   88 lumens per watt   |    |
| Watts   | 10 |
| Color Accuracy (CRI)  | 90 |
| Précision des couleurs (CRI)  |    |



### HIGH LUMEN

| LIGHTING PERFORMANCE DATA<br>DONNÉES SUR LE RENDEMENT<br>DE L'ÉCLAIRAGE |    |
|---|----|
| Light Appearance (CCT)<br>Aspect de la lumière (CCT)                    |    |
| 2700K soft white   blanc doux   |    |
| 1070 lumens   76 lumens per watt  |    |
| 3000K warm white   blanc chaud  |    |
| 1150 lumens   82 lumens per watt  |    |
| 3500K neutral white   blanc neutre                                      |    |
| 1110 lumens   79 lumens per watt  |    |
| Watts   | 14 |
| Color Accuracy (CRI)  | 90 |
| Précision des couleurs (CRI)  |    |

| LIGHTING PERFORMANCE DATA<br>DONNÉES SUR LE RENDEMENT<br>DE L'ÉCLAIRAGE |    |
|---|----|
| Light Appearance (CCT)<br>Aspect de la lumière (CCT)                    |    |
| 3000K warm white   blanc chaud  |    |
| 1090 lumens   78 lumens per watt  |    |
| 4000K cool white   blanc froid  |    |
| 1190 lumens   85 lumens per watt  |    |
| 5000K daylight   blanc neutre   |    |
| 1120 lumens   80 lumens per watt  |    |
| Watts   | 14 |
| Color Accuracy (CRI)  | 90 |
| Précision des couleurs (CRI)  |    |