

## FEATURES & SPECIFICATIONS

**INTENDED USE** — The 6" Wafer™ LED Square 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.

**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 dimers (see list of approved dimmers). Replaces 65W incandescent.

**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.

**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 Square 6" LED Switchable White Color Temperature

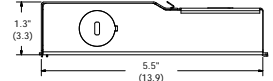
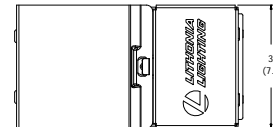
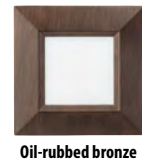
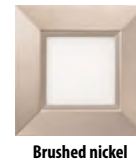
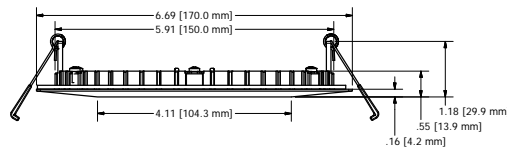


IC/Non-IC  
New Construction/Remodel



### Specifications

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



All dimensions are inches (centimeters) unless otherwise indicated.

### ORDERING INFORMATION

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

**Example:** WF6 SQ B LED 30K40K50K 90CRI MW

| WF8 | Series                                 | Trim Style       | Lamp                               | Lamp           | CCT/W/Lumens   | CRI                | Finish   |
|-----|--|------------------|------------------------------------|----------------|--|--------------------|--|
|     | <b>WF6</b> 6" wafer-thin LED downlight | <b>SQ</b> Square | <b>B</b> Baffle<br><b>S</b> Smooth | <b>LED</b> LED | <b>27K30K35K</b> 2700K/12.7W/800L<br>3000K/12.4W/870L<br>3500K/12.9W/840L<br><b>30K40K50K</b> 3000K/12.6W/810L<br>4000K/12.3W/890L<br>5000K/12.8W/860L | <b>90CRI</b> 90CRI | <b>MW</b> Matte White<br><b>MB</b> Matte Black<br><b>BN</b> Brush Nickel<br><b>ORB</b> Oil-Rubbed Bronze |

### Accessories: Order as separate catalog number.

|              |                                |
|--------------|--------------------------------|
| WF8643 Pan U | Universal new construction pan |
| WFJB U       | Remodel joist bar              |



### Notes

1 Total system delivered lumens.

# WF6 SQ Switchable White 6" LED Wafer Module

## PHOTOMETRICS

### Distribution Curve

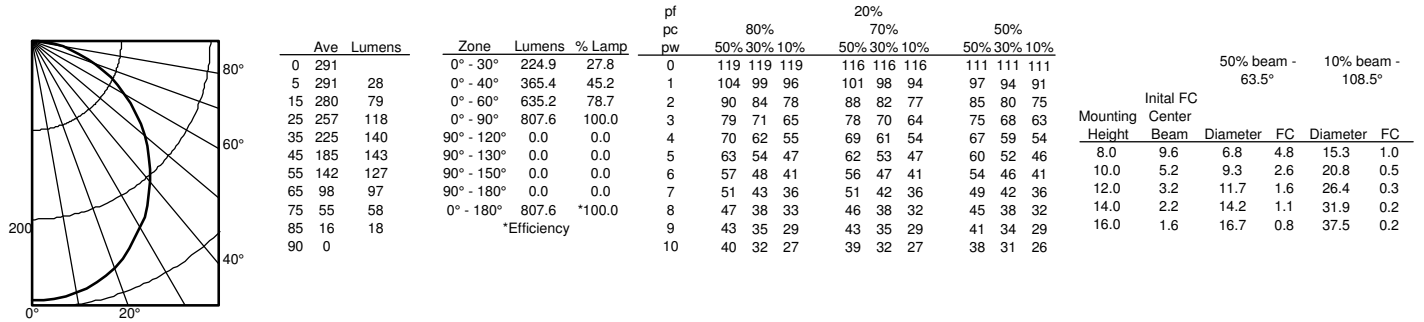
### Distribution Data

### Output Data

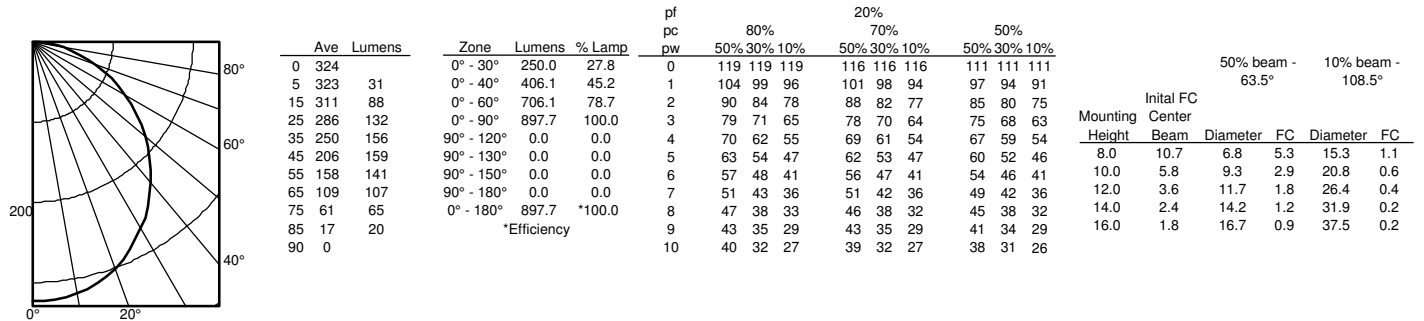
### Coefficient of Utilization

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

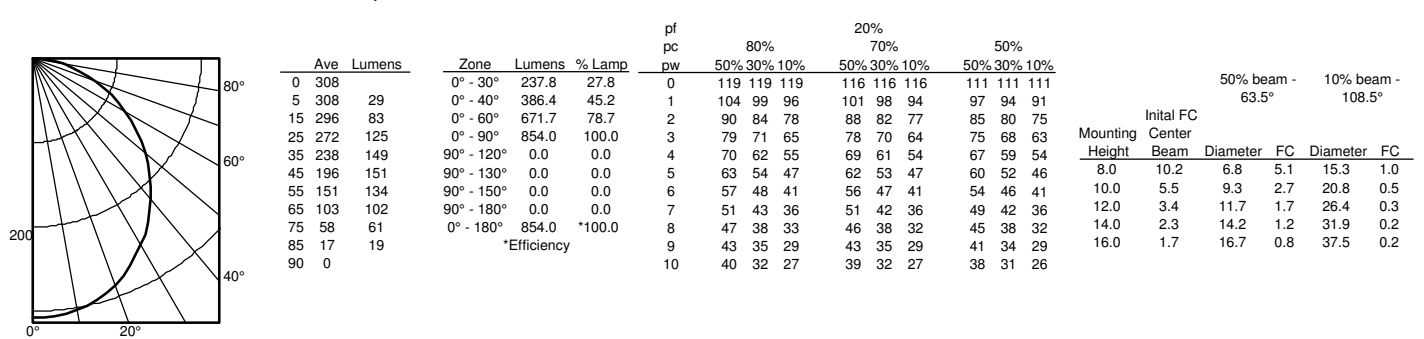
**WF6 SQ S LED 27K30K35K \_ 2700K LED's**, input watts 13, delivered lumens: 808, LM/W=62, Test No. ISF 36826P31



**WF6 SQ S LED 27K30K35K \_ 3000K LED's**, input watts 12, delivered lumens: 898, LM/W=75, test no. ISF 36826P32



**WF6 SQ S LED 27K30K35K \_ 3500K LED's**, input watts 13, delivered lumens: 854, LM/W=66, test no. ISF 36826P33



# WF6 SQ Switchable White 6" LED Wafer Module

## PHOTOMETRICS

### Distribution Curve

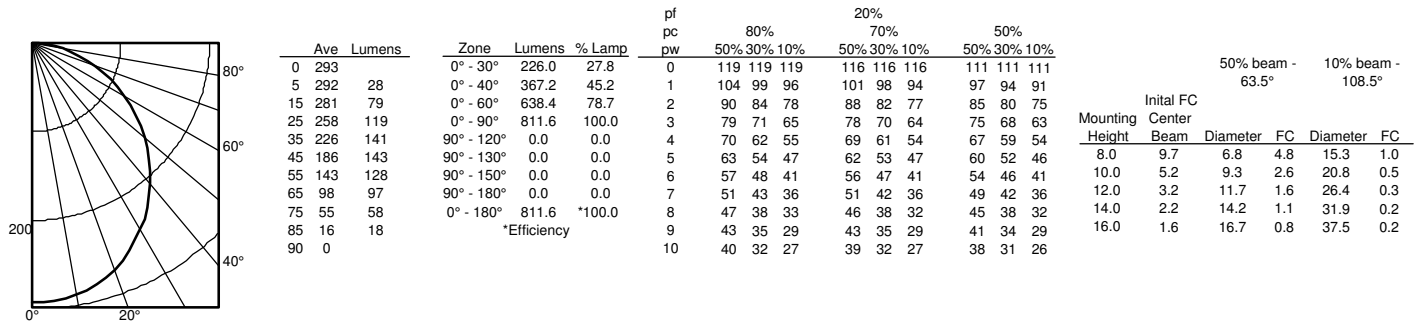
### Distribution Data

### Output Data

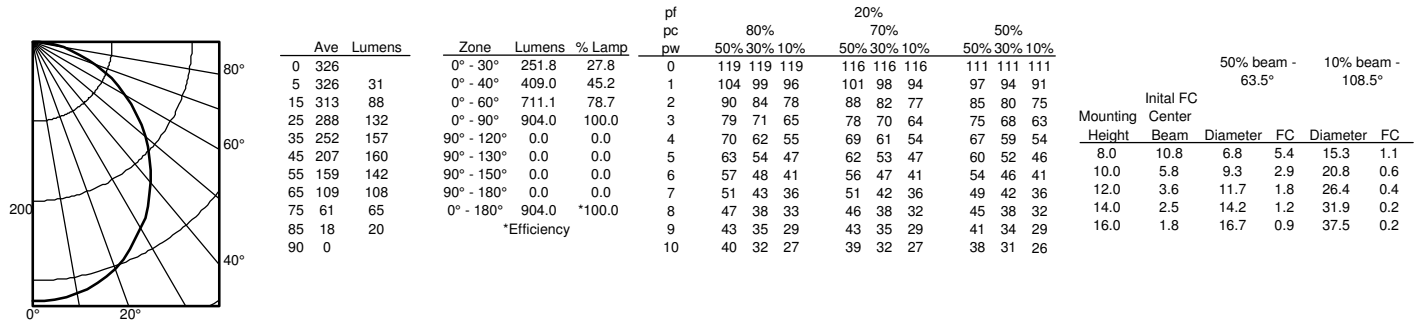
### Coefficient of Utilization

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

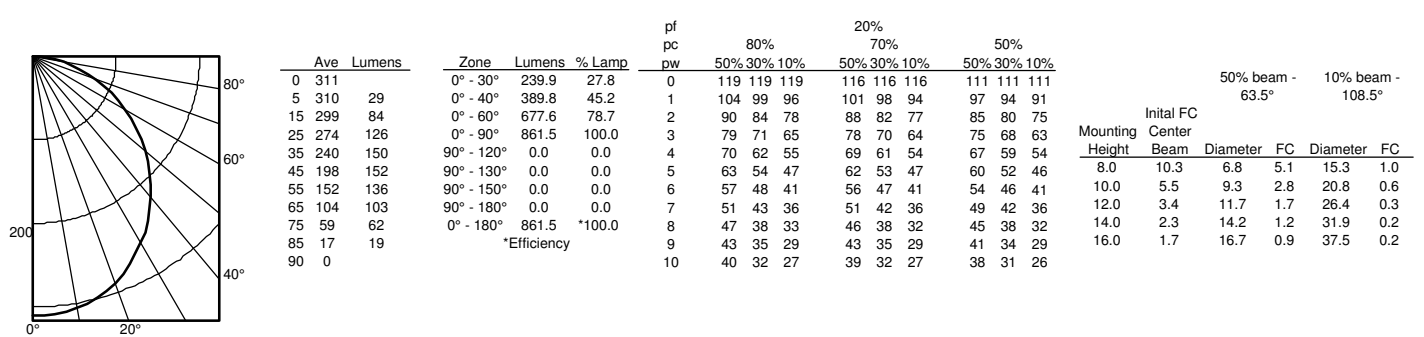
**WF6 SQ S LED 30K40K50K \_ 3000K LED's**, input watts 13, delivered lumens: 811, LM/W=62, Test No. ISF 36826P34



**WF6 SQ S LED 30K40K50K \_ 4000K LED's**, input watts: 12, delivered lumens: 904, LM/W=75, test no. ISF 36826P35



**WF6 SQ S LED 30K40K50K \_ 5000K LED's**, input watts: 13, delivered lumens: 862, LM/W=66, test no. ISF 36826P36



# WF6 SQ Switchable White 6" LED Wafer Module

## PHOTOMETRICS

### Distribution Curve

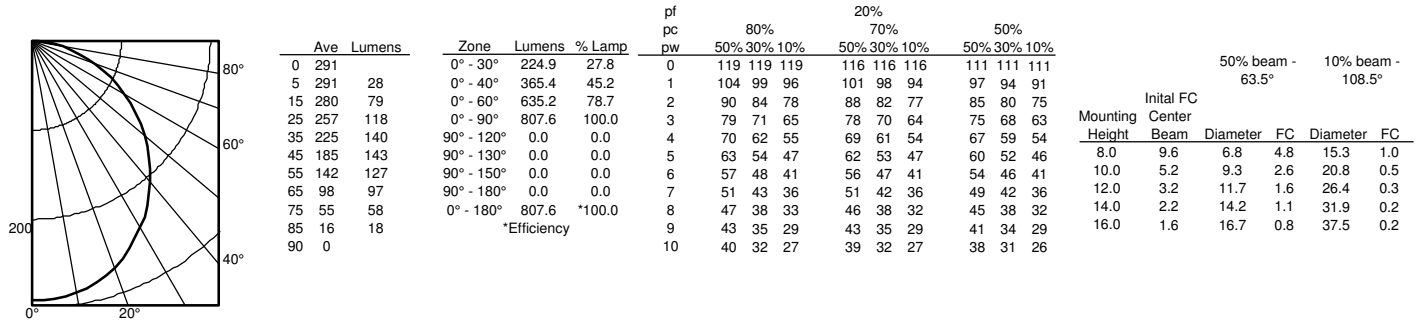
### Distribution Data

### Output Data

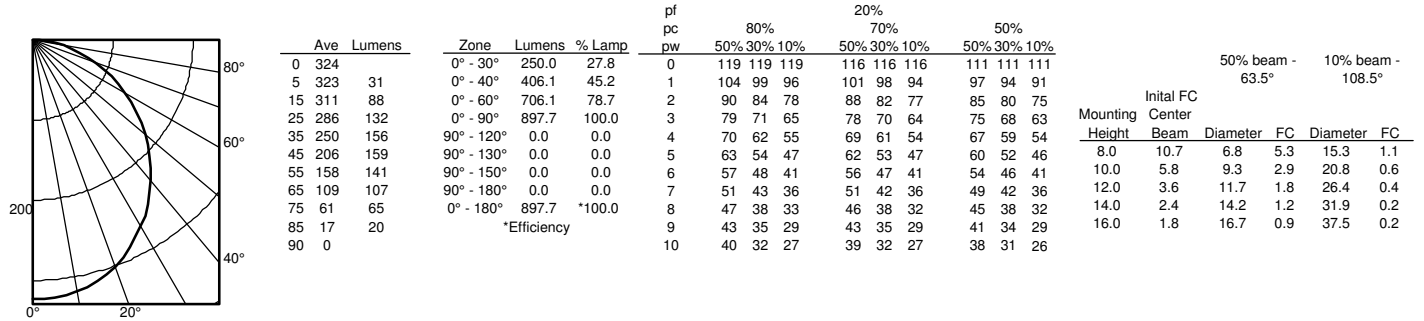
### Coefficient of Utilization

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

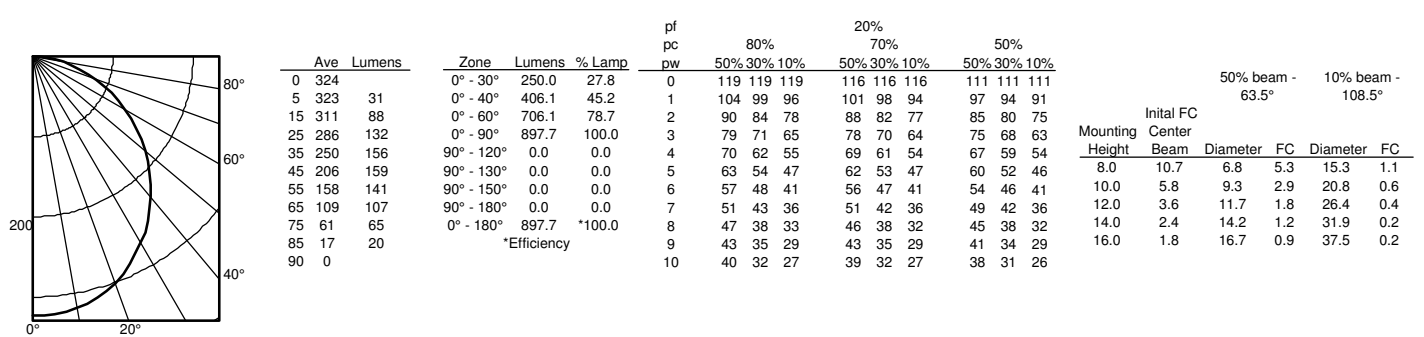
**WF6 SQ B LED 27K30K35K \_ 2700K LED's**, input watts 13, delivered lumens: 807, LM/W=62, Test No. ISF 36826P37



**WF6 SQ B LED 27K30K35K \_ 3000K LED's**, input watts: 12, delivered lumens: 898, LM/W=75, test no. ISF 36826P38



**WF6 SQ B LED 27K30K35K \_ 3500K LED's**, input watts: 13, delivered lumens: 854, LM/W=66, test no. ISF 36826P39

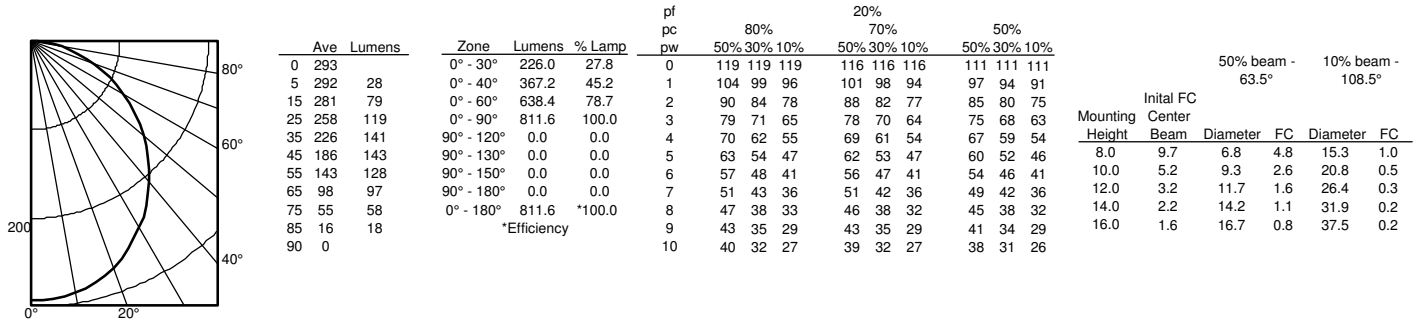


# WF6 SQ Switchable White 6" LED Wafer Module

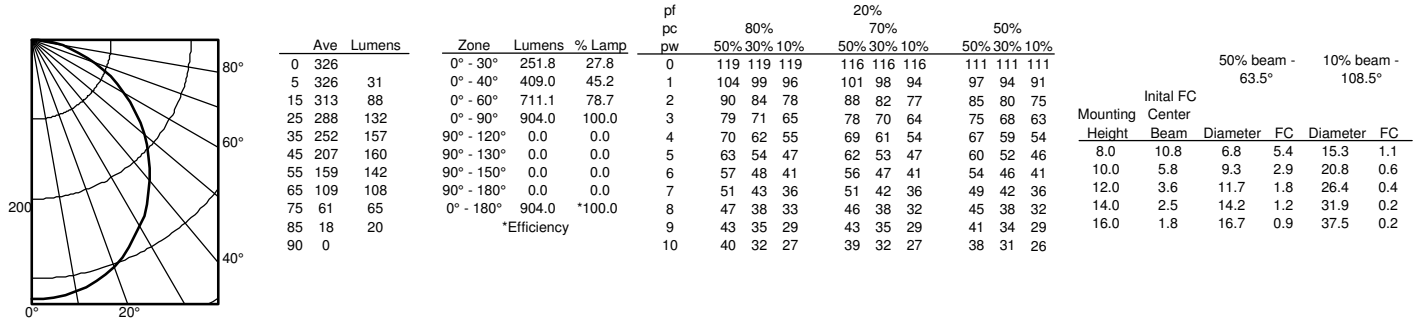
## PHOTOMETRICS

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

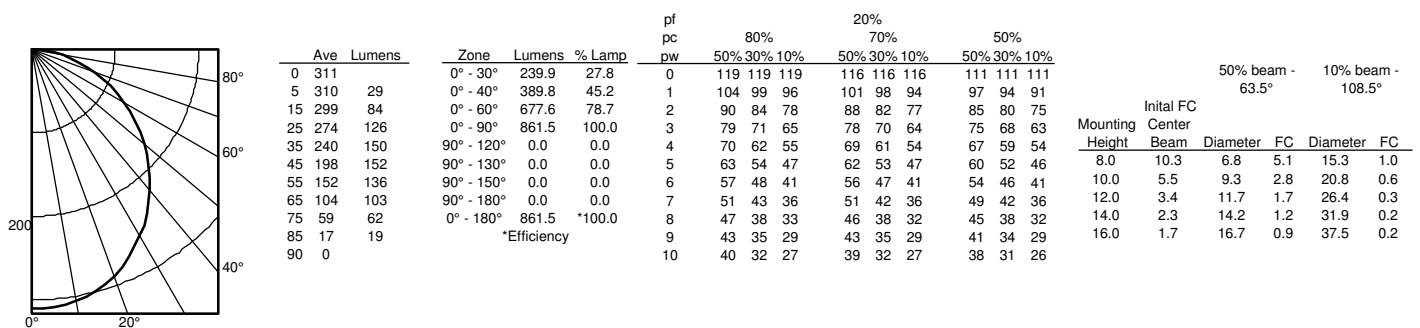
**WF6 SQ B LED 30K40K50K \_ 3000K LED's**, input watts 13, delivered lumens: 811, LM/W=62, Test No. ISF 36826P40



**WF6 SQ B LED 30K40K50K \_ 4000K LED's**, input watts: 12, delivered lumens: 904, LM/W=75, test no. ISF 36826P41



**WF6 SQ B LED 30K40K50K \_ 5000K LED's**, input watts: 13, delivered lumens: 862, LM/W=66, test no. ISF 36826P42



# WF6 SQ Switchable White 6" LED Wafer Module

## ENERGY DATA

| WF6 SQ S (OR B) LED 27K30K35K |                                    |                                    |                                    |
|-------------------------------|------------------------------------|------------------------------------|------------------------------------|
| Color Temperature             | 2700K                              | 3000K                              | 3500K                              |
| Lumens                        | 800                                | 870                                | 840                                |
| CRI                           | 90                                 | 90                                 | 90                                 |
| Rated wattage                 | 12.7                               | 12.4                               | 12.9                               |
| Lu/Watts                      | 63.0                               | 70.2                               | 65.1                               |
| 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                 | 0.11A                              | 0.11A                              | 0.11A                              |

| WF6 SQ S (OR B) LED 30K40K50K |                                    |                                    |                                    |
|-------------------------------|------------------------------------|------------------------------------|------------------------------------|
| Color Temperature             | 3000K                              | 4000K                              | 5000K                              |
| Lumens                        | 810                                | 890                                | 860                                |
| CRI                           | 90                                 | 90                                 | 90                                 |
| Rated wattage                 | 12.6                               | 12.3                               | 12.8                               |
| Lu/Watts                      | 64.3                               | 72.4                               | 67.2                               |
| 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                 | 0.11A                              | 0.11A                              | 0.11A                              |

# WF6 SQ Switchable White 6" LED Wafer Module

## LIGHTING PERFORMANCE DATA - BAFFLE AND SMOOTH SQUARE TRIM



### LIGHTING PERFORMANCE DATA DONNÉES SUR LE RENDEMENT DE L'ÉCLAIRAGE

Light Appearance (CCT)  
Aspect de la lumière (CCT)

2700K soft white | blanc doux

800 lumens | 64 lumens per watt

3000K warm white | blanc chaud

870 lumens | 70 lumens per watt

3500K neutral white | blanc neutre

840 lumens | 67 lumens per watt

Watts 12.5

Color Accuracy (CRI) 90  
Précision des couleurs (CRI)



### LIGHTING PERFORMANCE DATA DONNÉES SUR LE RENDEMENT DE L'ÉCLAIRAGE

Light Appearance (CCT)  
Aspect de la lumière (CCT)

3000K warm white | blanc chaud

810 lumens | 65 lumens per watt

4000K cool white | blanc froid

890 lumens | 71 lumens per watt

5000K daylight | blanc neutre

860 lumens | 69 lumens per watt

Watts 12.5

Color Accuracy (CRI) 90  
Précision des couleurs (CRI)