

Catalog Number
Notes
Type

## FEATURES & SPECIFICATIONS

**INTENDED USE** — The 6" Wafer-Thin LED recessed downlight with remote driver box combines high quality light output and efficiency while eliminating the pot light housing for competitive affordability. This innovative wafer-slim Type IC design allows easy installation for new construction or remodel from below the ceiling without the requirement of a pot light housing. The LED module maintains at least 70% light output for 36,000 hours. These LED Wafer downlights are intended for closets, attics, hallways, bathrooms, kitchens, basements, soffits, entry ways, porches, garages, stairwells, corridors, nursing/retirement homes, condos, elevators, apartments, and any other small areas.

**CONSTRUCTION** — Ideal for shallow ceiling plenum since a pot light housing is NOT required. IC rated driver and fixture - approved for direct contact with insulation. Aluminum die cast outer frame. Durable, powder coat paint to prevent rust. Round fixture with integral edge-lit LED's. Steel spring clip for easy installation. Plenum rated cable connector to connect from module to remote driver box. Isolated driver integrated inside steel remote box with four 7/8" knockouts with slots for pryout. Not suitable for pulling wires.

**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.

**OPTICS** — Wafer-Thin downlight edge-lit LED technology uses light guided plate to distribute light. Polycarbonate lens provides even illumination throughout the space. Utilized 3000K and 4000K color temperature LEDs.

**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% (See page 2 for recommended dimmers). Standard input wattage is 13W, 79 lumens per watt.

**LISTINGS** — CSA certified to US and Canadian safety standards. ENERGY STAR® certified product. Wet location. Air Tight certified in accordance with ASTM E283-2004.

**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 Module

IC/Non-IC  
New Construction/Remodel



Matte black



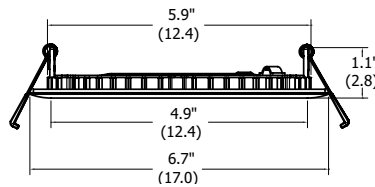
Brushed nickel



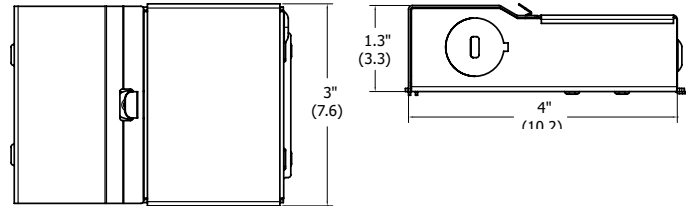
Oil-rubbed bronze

### 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:** WF6 LED 30K MW

Series	Lamp	CCT/CRI/W/Lumens <sup>1</sup>	Finish
<b>WF6</b> 6" wafer-thin LED downlight	<b>LED</b> LED	<b>30K</b> 3000K/80CRI/13W/1020L	<b>MW</b> Matte white
		<b>40K</b> 4000K/80CRI/13.6W/1200L	<b>MB</b> Matte black
	<b>LL LED</b> Low Lumen LED	<b>30K</b> 3000K/80CRI/12.6W/865L	<b>BN</b> Brushed nickel
		<b>40K</b> 4000K/80CRI/12.9W/944L	<b>ORB</b> Oil-rubbed bronze

### Accessories: Order as separate catalog number.

WF6 PAN R12	6" new construction pan, retail pack of 12
WFJB R4	Remodel joist bar, retail pack of 4
WFEXC6 U	6' FT4 cable
WFEXC10 U	10' FT4 cable
WFEXC20 U	20' FT4 cable



### Notes

1 Total system delivered lumens.

# WF6 6" LED Wafer Module

## PHOTOMETRICS

### Distribution Curve

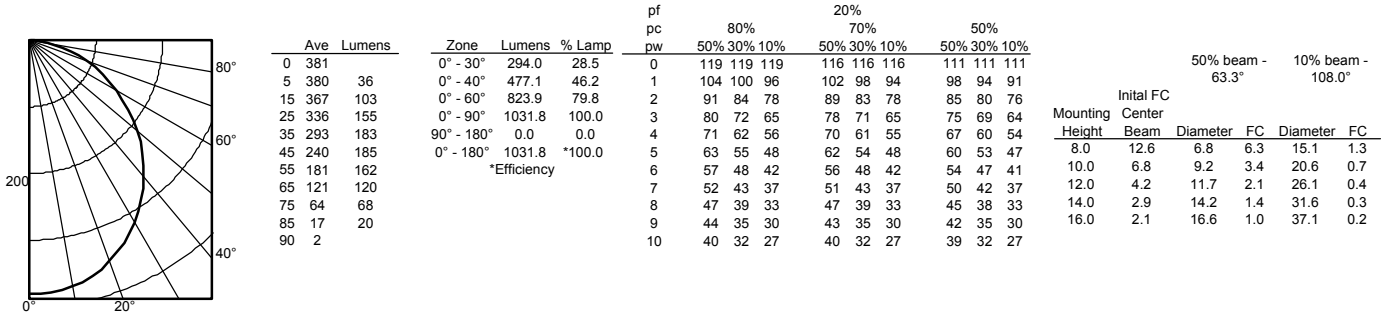
### Distribution Data

### Output Data

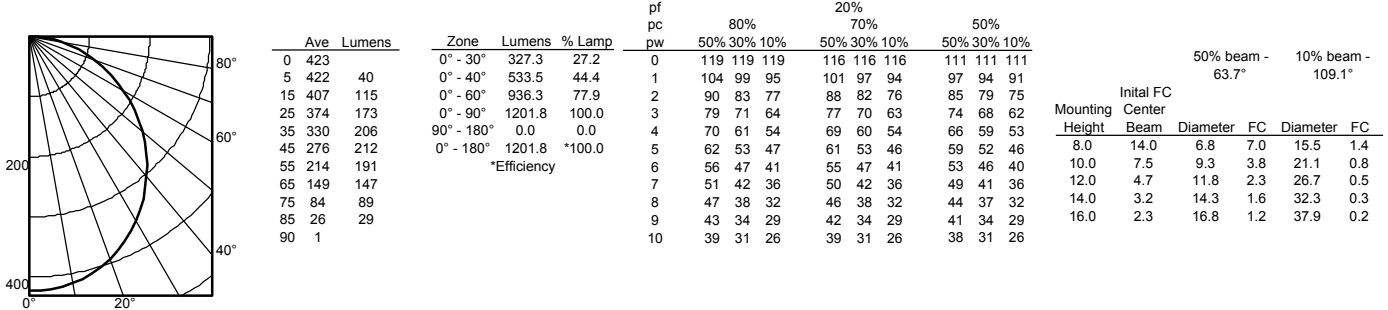
### Coefficient of Utilization

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

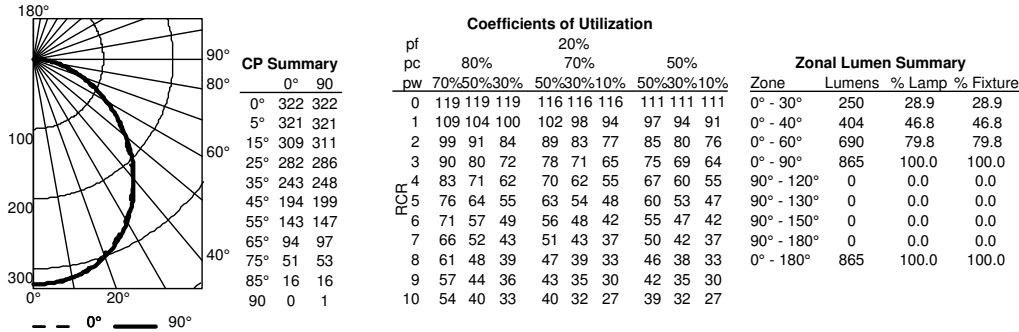
**WF6 LED 30K**, 3000 K LEDs, input watts: 13, delivered lumens: 1020, LM/W=78.5, test no. ISF 30024



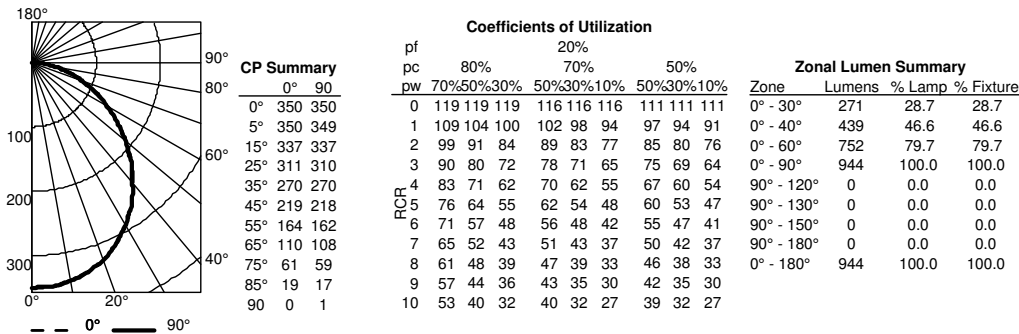
**WF6 LED 40K**, 4000 K LEDs, input watts: 13.6, delivered lumens: 1200, LM/W=88.2, test no. ISF 30376



**WF6 LL LED 30K**, 3000 K LEDs, input watts: 12.6, delivered lumens: 865, LM/W=68.7, test no. ISF 32781



**WF6 LL LED 40K**, 4000 K LEDs, input watts: 12.9, delivered lumens: 944, LM/W=73.2, test no. ISF 32780



## ENERGY DATA & DIMMING CAPABILITY

6" ENERGY DATA		
Color Temperature	3000K	4000K
Lumens	1020	1200
CRI	80	80
Lumens/Watt	78.5	88.2
Min. starting temperature	-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
Sound rating	Class A Standards	Class A Standards
Input voltage	120V	120V
Total Harmonic Distortion	17.9%	17.9%
Min. power factor	0.99	0.99
Input frequency	50/60 Hz	50/60 Hz
Rated wattage	13W	13.6W
Input power	13W	13.6W
Input current	0.11A	0.11A

6" LOW LUMEN ENERGY DATA		
Color Temperature	3000K	4000K
Lumens	865	944
CRI	80	80
Lumens/Watt	68.7	73.2
Min. starting temperature	-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
Sound rating	Class A Standards	Class A Standards
Input voltage	120V	120V
Total Harmonic Distortion	15.0%	11.6%
Min. power factor	0.99	0.99
Input frequency	50/60 Hz	50/60 Hz
Rated wattage	12.6W	12.9W
Input power	12.6W	12.9W
Input current	0.11A	0.11A

COMPATIBLE DIMMERS				
Insteon	Leviton	Lutron	Sensorswitch	Synergy/Leviton
2477D	6633-PA	CTCL-153P-WH	nSP5 PCD 2W	ISD 600 I 120/IP106
	IPL06-LED/INC mode	DV-603P-LA	nSP5 PCD ELV 120	ISD 400 ELV 120/IPE04
	6615-P	CT-603PR-WH		
		DVELV-300P		
		NTELV-300P		
		NLV600		
		300P-SELV		
		DV-600P		
		AYCL-153P-WH		
		CTCL-153P-WH		

## LIGHTING FACTS

**LED lighting facts**  
A Program of the U.S. DOE

**Light Output (Lumens)** 1020  
**Watts** 13  
**Lumens per Watt (Efficacy)** 78.46

**Color Accuracy**  
Color Rendering Index (CRI) 80

**Light Color**  
Correlated Color Temperature (CCT) 3000 (Bright White)

2700K 3000K 4500K 6500K

All results are according to IESNA LM-79-2008: *Approved Method for the Electrical and Photometric Testing of Solid-State Lighting*. The U.S. Department of Energy (DOE) verifies product test data and results.

Visit [www.lightingfacts.com](http://www.lightingfacts.com) for the *Label Reference Guide*.

Registration Number: NJSM-DA1SC6 (3/15/2016)  
Model Number: WF6 LED 30K  
Type: Luminaire - Downlight

**LED lighting facts**  
A Program of the U.S. DOE

**Light Output (Lumens)** 1200  
**Watts** 13.6  
**Lumens per Watt (Efficacy)** 88.24

**Color Accuracy**  
Color Rendering Index (CRI) 80

**Light Color**  
Correlated Color Temperature (CCT) 4000 (Bright White)

2700K 3000K 4500K 6500K

All results are according to IESNA LM-79-2008: *Approved Method for the Electrical and Photometric Testing of Solid-State Lighting*. The U.S. Department of Energy (DOE) verifies product test data and results.

Visit [www.lightingfacts.com](http://www.lightingfacts.com) for the *Label Reference Guide*.

Registration Number: NJSM-WQ6E6W (3/15/2016)  
Model Number: WF6 LED 40K  
Type: Luminaire - Downlight

**LED lighting facts**  
A Program of the U.S. DOE

**Light Output (Lumens)** 800  
**Watts** 12.6  
**Lumens per Watt (Efficacy)** 63.49

**Color Accuracy**  
Color Rendering Index (CRI) 80

**Light Color**  
Correlated Color Temperature (CCT) 3000 (Bright White)

2700K 3000K 4500K 6500K

All results are according to IESNA LM-79-2008: *Approved Method for the Electrical and Photometric Testing of Solid-State Lighting*. The U.S. Department of Energy (DOE) verifies product test data and results.

Visit [www.lightingfacts.com](http://www.lightingfacts.com) for the *Label Reference Guide*.

Registration Number: NJSM-A64855 (12/1/2016)  
Model Number: WF6 LLED 30K  
Type: Luminaire - Downlight

**LED lighting facts**  
A Program of the U.S. DOE

**Light Output (Lumens)** 850  
**Watts** 12.9  
**Lumens per Watt (Efficacy)** 65.89

**Color Accuracy**  
Color Rendering Index (CRI) 80

**Light Color**  
Correlated Color Temperature (CCT) 4000 (Bright White)

2700K 3000K 4500K 6500K

All results are according to IESNA LM-79-2008: *Approved Method for the Electrical and Photometric Testing of Solid-State Lighting*. The U.S. Department of Energy (DOE) verifies product test data and results.

Visit [www.lightingfacts.com](http://www.lightingfacts.com) for the *Label Reference Guide*.

Registration Number: NJSM-PKWQC4 (12/1/2016)  
Model Number: WF6 LLED 40K  
Type: Luminaire - Downlight