

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.

**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.

**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.

**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



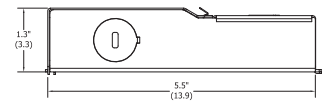
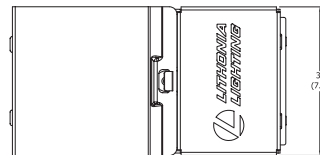
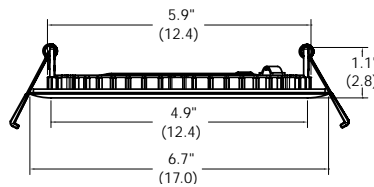
Brushed nickel



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**

WF6 Series	Lamp	CCT/CRI/W/Lumens <sup>1</sup>	Finish
<b>WF6</b> <b>6" wafer-thin LED downlight</b>	<b>LED</b> <b>LED</b>	<b>30K</b> 3000K/80CRI/13W/1020L	<b>MW</b> <b>Matte white</b> <b>MB</b> Matte black <b>BN</b> Brushed nickel <b>ORB</b> Oil-rubbed bronze
		<b>40K</b> 4000K/80CRI/13.6W/1200L	
	<b>LL LED</b> Low Lumen LED	<b>27K</b> <b>2700K/80CRI/12.7W/780L</b>	
		<b>30K</b> 3000K/80CRI/12.6W/865L	
		<b>40K</b> 4000K/80CRI/12.9W/944L	

**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



WF6\_Pan



Joist



Extension Cable

**Notes**

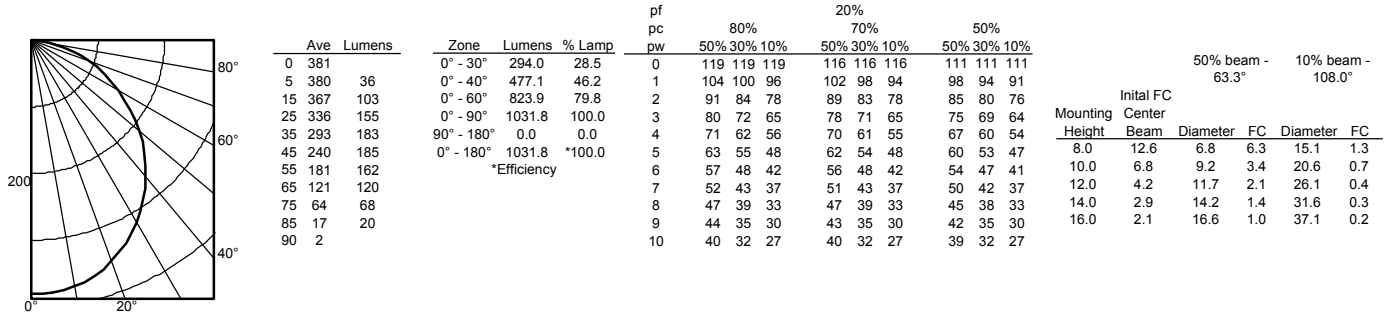
1 Total system delivered lumens.

# WF6 6" LED Wafer Module

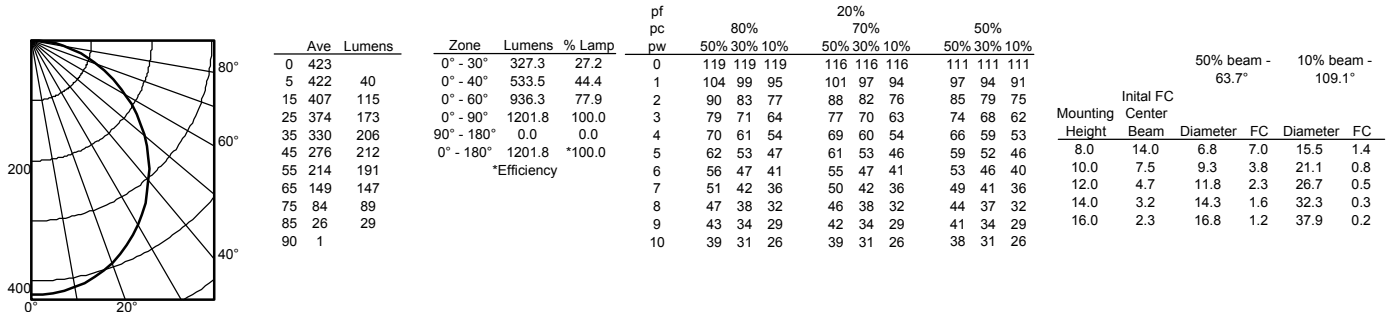
## PHOTOMETRICS

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

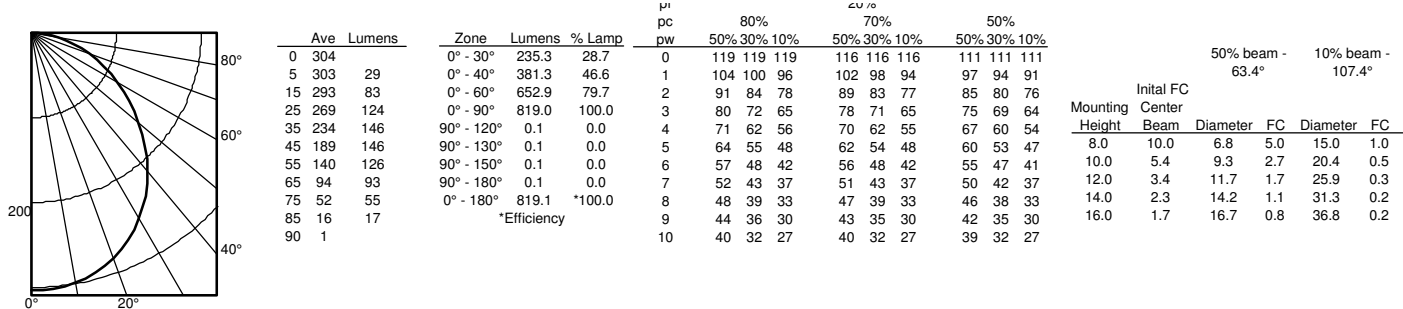
**WF6 LED 30K**, 3000 K LEDs, input watts: 13, delivered lumens: 1020, LM/W=78.5, test no. ISF 30024



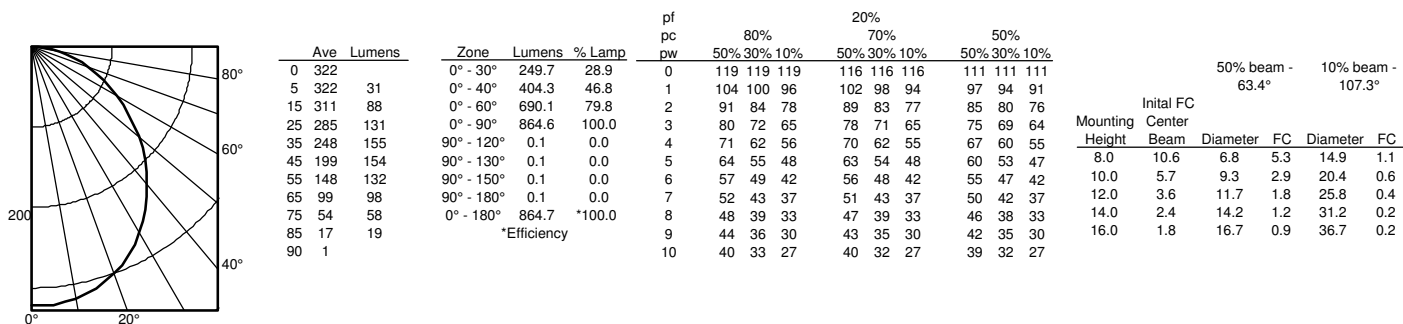
**WF6 LED 40K**, 4000 K LEDs, input watts: 13.6, delivered lumens: 1200, LM/W=88.2, test no. ISF 30376



**WF6 LL LED 27K**, 2700 K LEDs, input watts: 12.7, delivered lumens: 819, LM/W=64.4, test no. ISF 32780P1

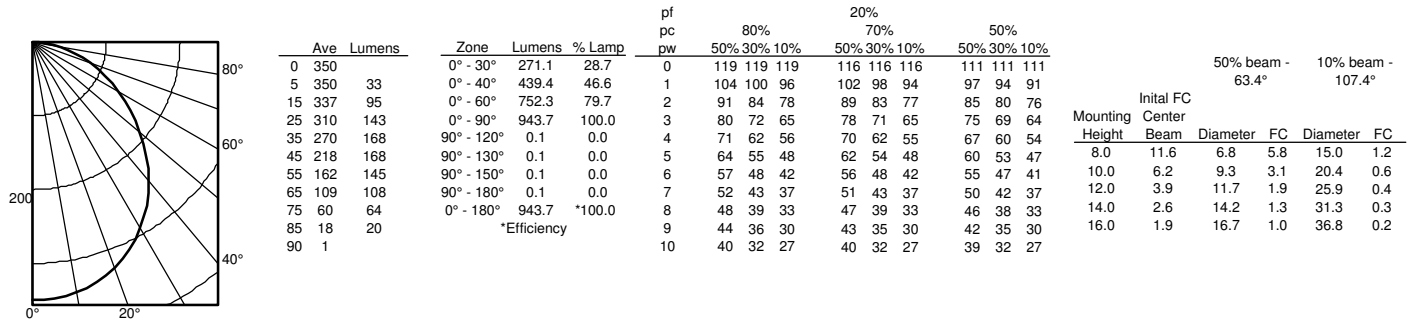


**WF6 LL LED 30K**, 3000 K LEDs, input watts: 12.6, delivered lumens: 865, LM/W=68.7, test no. ISF 32781



# WF6 6" LED Wafer Module

**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	2700K	3000K	4000K
Lumens	780	865	944
CRI	80	80	80
Lumens/Watt	61.3	68.7	73.2
Min. starting temperature	-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
Total Harmonic Distortion	12%	15.0%	11.6%
Min. power factor	0.99	0.99	0.99
Input frequency	50/60 Hz	50/60 Hz	50/60 Hz
Rated wattage	12.7W	12.6W	12.9W
Input power	12.7W	12.6W	12.9W
Input current	0.11A	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.

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Registration Number: NJSM-W06E6W (3/15/2016)  
Model Number: WF6 LED 40K  
Type: Luminaire - Downlight

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

**Light Output (Lumens)** 780  
**Watts** 12.73  
**Lumens per Watt (Efficacy)** 61.27

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

**Light Color**  
Correlated Color Temperature (CCT) 2700 (Warm 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.

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Registration Number: NJSM-OBTA5U (11/5/2017)  
Model Number: WF6 LLED 27K  
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.

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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