

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. Suitable for pulling wires with the 12 cubic-inch wiring compartment to accommodate up to (8) 14 gauge insulated conductors, or (6) 12 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** — Wafer-Thin downlight edge-lit LED technology uses light guided plate to distribute light. Polycarbonate lens provides even illumination throughout the space. Utilized 2700K, 3000K, 3500K, 4000K, and 5000K 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. Replaces 75W incandescent for 865 lumens and 100W incandescent for 1020 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.

**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

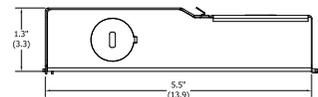
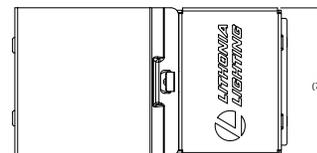
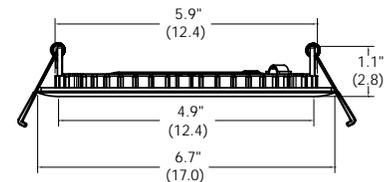


Oil-rubbed bronze



### Specifications

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



All dimensions are inches (centimeters) unless otherwise indicated.

# WF6 6" LED Wafer Module

## 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
WF6 6" wafer-thin LED downlight	<b>LED</b> <b>LED</b>	<b>27K<sup>2</sup></b> 2700K/80CRI/13.8W/1000L	<b>MW</b> <b>Matte white</b> <b>MB</b> Matte black <b>BN</b> Brushed nickel <b>ORB</b> Oil-rubbed bronze
		<b>30K</b> <b>3000k/80CRI/13W/1020L</b>	
		<b>35K<sup>2</sup></b> 3500k/80CRI/13.4W/1100L	
		<b>40K</b> 4000K/80CRI/13.6W/1200L	
		<b>50K<sup>2</sup></b> 5000K/80CRI/14.4W/1210L	
	<b>LL LED</b> Low Lumen LED	<b>27K</b> 2700K/80CRI/12.7W/780L	
		<b>30K</b> 3000k/80CRI/12.6W/800L	
		<b>35K<sup>2</sup></b> 3500k/80CRI/12W/840L	
		<b>40K</b> 4000k/80CRI/12.9W/850L	
		<b>50K<sup>2</sup></b> 5000k/80CRI/12W/900L	

### Accessories: Order as separate catalog number.

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



WF6\_Pan



Remodel Joist Bar



Extension Cable

### Notes

- Total system delivered lumens.
- Only stocked in Matte White finish, enter non-stock order for other color finishes.

## PHOTOMETRICS

### Distribution Curve

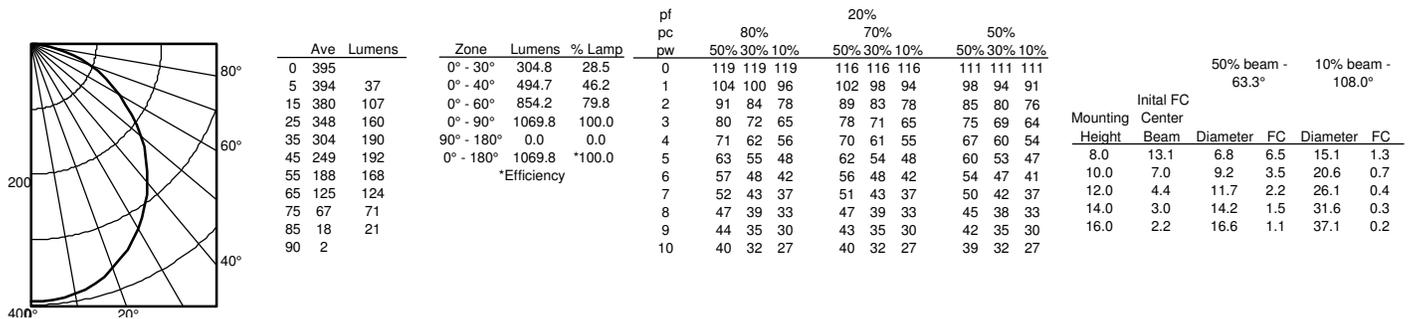
### Distribution Data

### Output Data

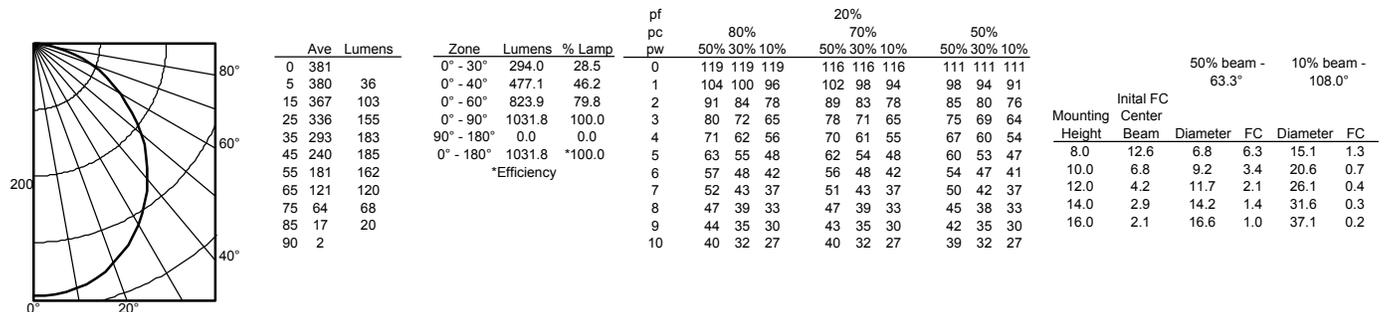
### Coefficient of Utilization

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

**WF6 LED27K**, 2700 K LEDs, input watts: 13.7, delivered lumens: 1069, LM/W=78, test no. ISF 30024P2



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

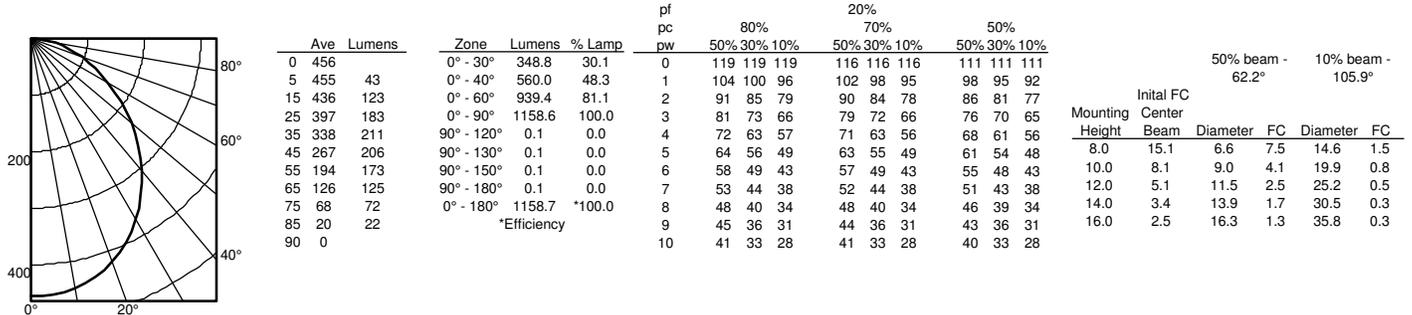


# WF6 6" LED Wafer Module

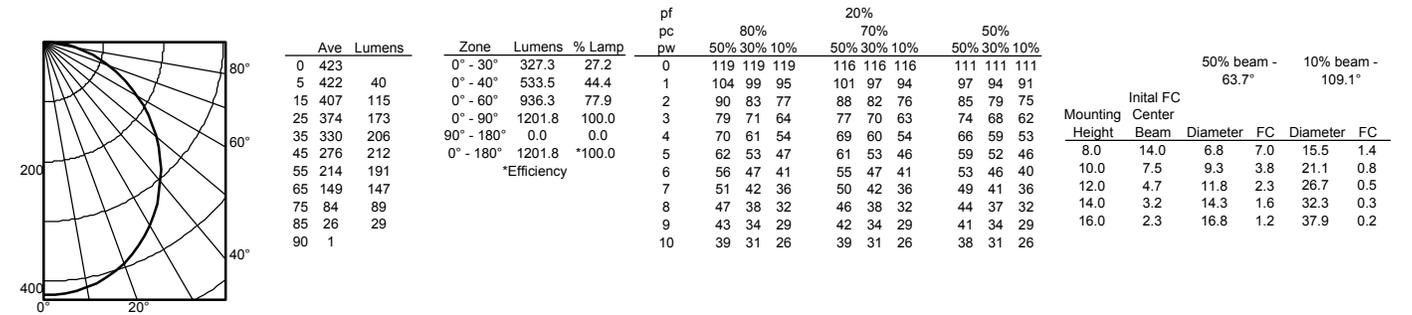
## PHOTOMETRICS

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

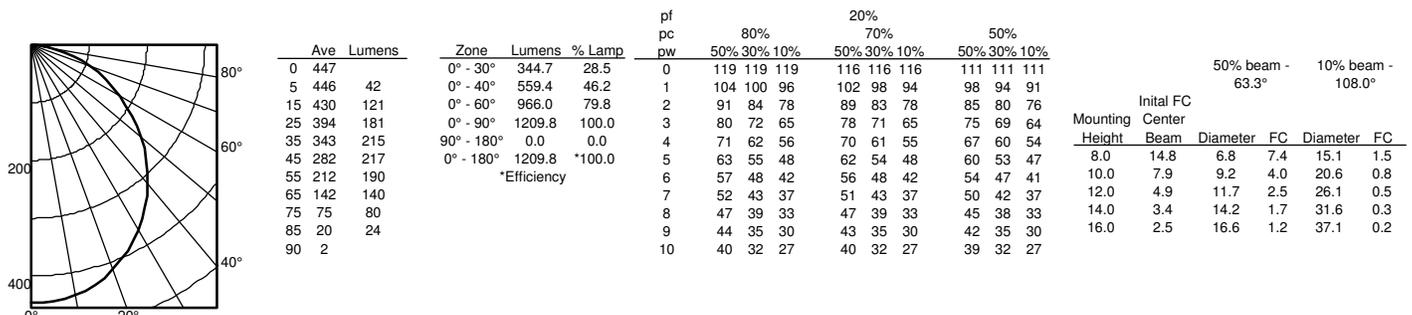
**WF6 LED 35K, 3500K LEDs, input watts: 13.4, delivered lumens: 1158, LM/W=86, test no. ISF 35161**



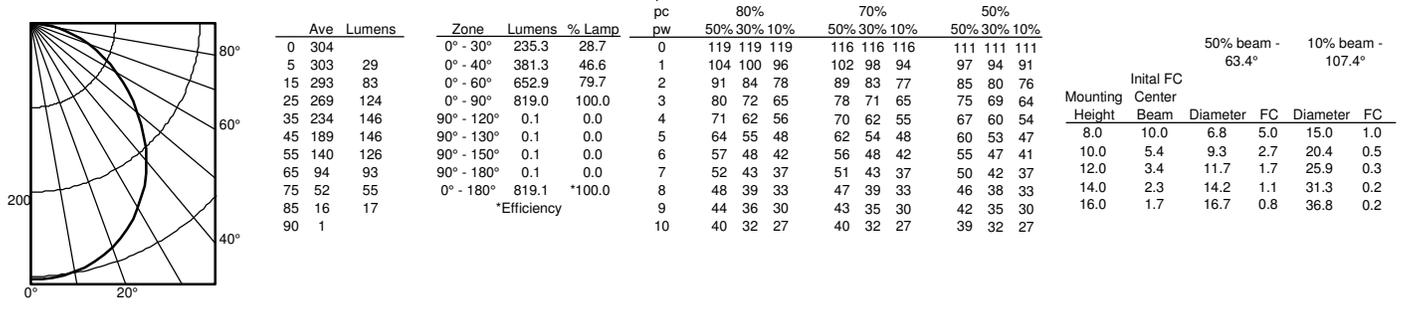
**WF6 LED 40K, 4000 K LEDs, input watts: 13.6, delivered lumens: 1200, LM/W=88.2, test no. ISF 30376**



**WF6 LED 50K, 5000K LEDs, input watts: 14.31, delivered lumens: 1209, LM/W=84, test no. ISF 30024P3**



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

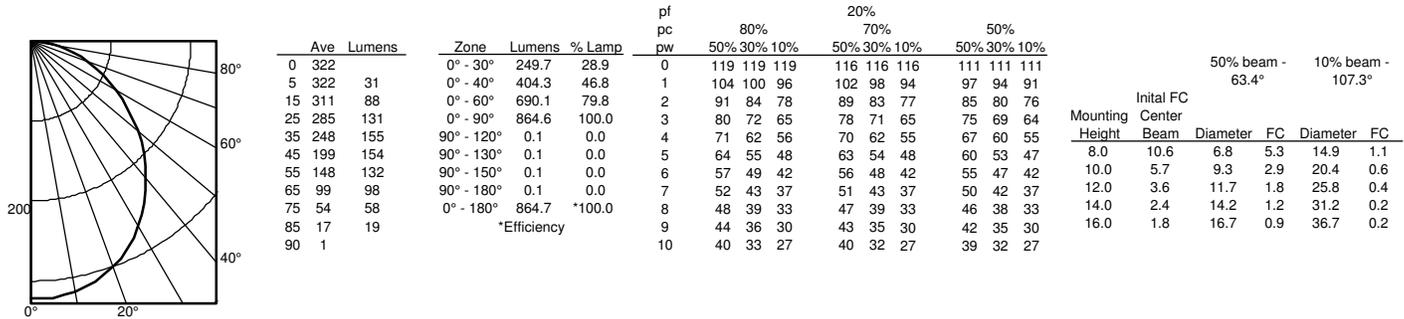


# WF6 6" LED Wafer Module

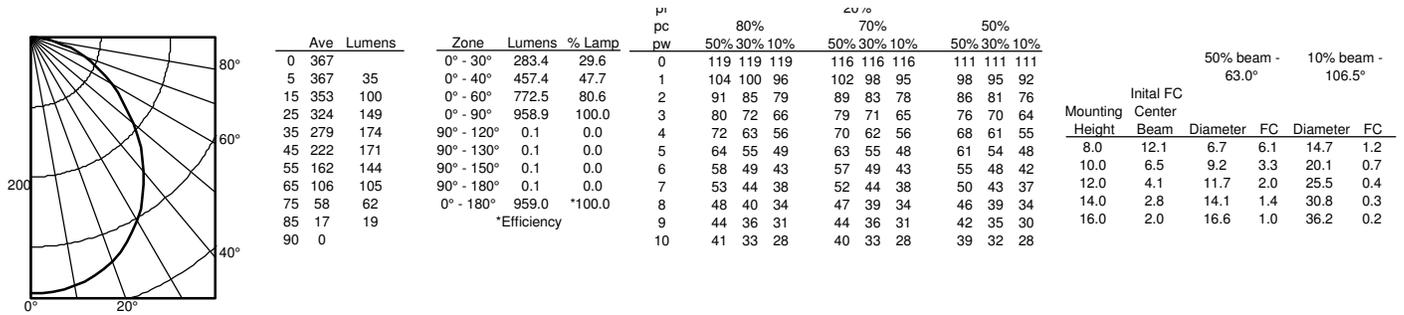
## PHOTOMETRICS

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

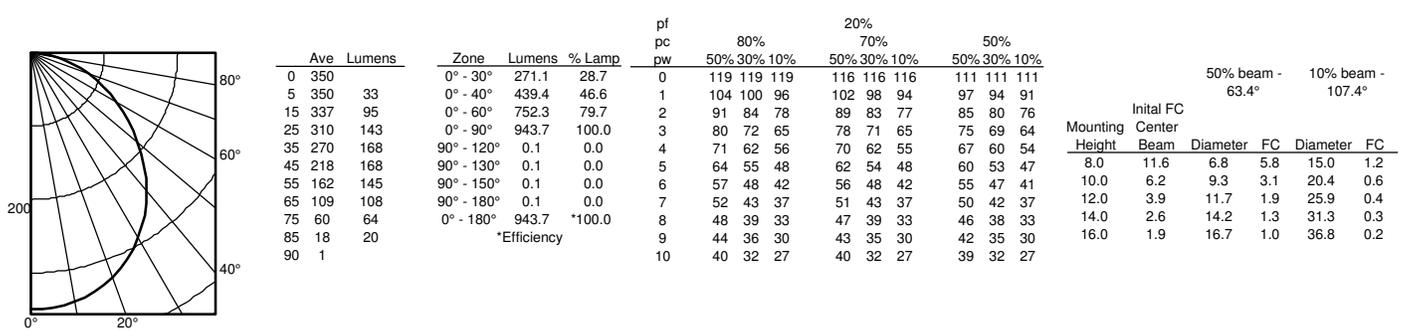
**WF6 LL LED 30K**, 3000 K LEDs, input watts: 12.6, delivered lumens: 865, LM/W=68.7, test no. ISF 32781



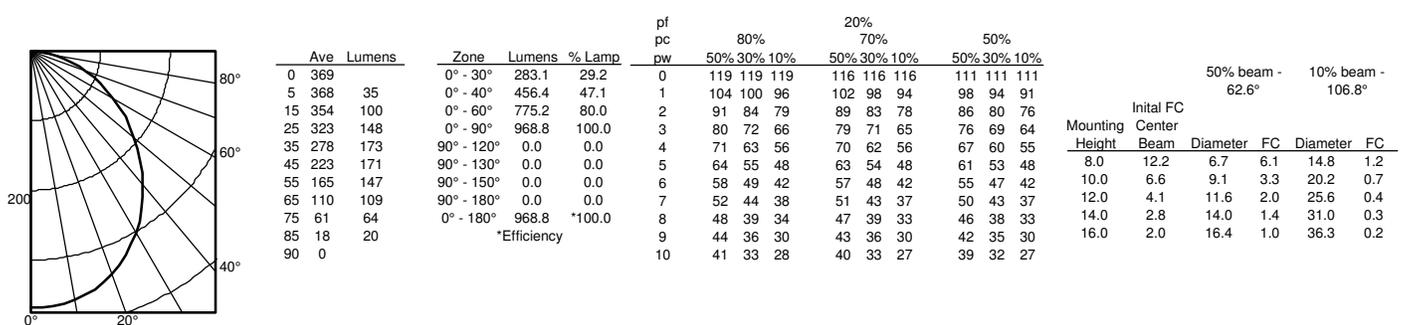
**WF6 LL LED 35K**, 3500K LEDs, input watts: 12, delivered lumens: 959, LM/W=80, test no. ISF 35160



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



**WF6 LL LED 50K**, 5000K LEDs, input watts: 12, delivered lumens: 968, LM/W=80, test no. ISF 35159



## ENERGY DATA & DIMMING CAPABILITY

6" ENERGY DATA					
Color Temperature	2700K	3000K	3500K	4000K	5000K
Lumens	1000	1020	1100	1200	1210
CRI	80	80	80	80	80
Lumens/Watt	72.5	78.5	82	88.2	84
Min. starting temperature	-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	FCC Title 47 CFR, Part 15, Class B	FCC Title 47 CFR, Part 15, Class B
Sound rating	Class A Standards				
Input voltage	120V	120V	120V	120V	120V
Min. power factor	.99	.99	.99	.99	.99
Input frequency	50/60 Hz				
Rated wattage	13.8W	13W	13.4W	13.6W	14.4W
Input power	13.8W	13W	13.4W	13.6W	14.4W
Input current	0.12A	0.11A	0.12A	0.11A	0.12A

6" LOW LUMEN ENERGY DATA					
Color Temperature	2700K	3000K	3500K	4000K	5000K
Lumens	780	800	840	850	900
CRI	80	80	80	80	80
Lumens/Watt	61.3	63.5	70	65.9	75
Min. starting temperature	-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	FCC Title 47 CFR, Part 15, Class B	FCC Title 47 CFR, Part 15, Class B
Sound rating	Class A Standards				
Input voltage	120V	120V	120V	120V	120V
Min. power factor	0.99	0.99	.99	0.99	0.99
Input frequency	50/60 Hz				
Rated wattage	12.7W	12.6W	12W	12.9W	12W
Input power	12.7W	12.6W	12W	12.9W	12W
Input current	0.11A	0.11A	0.10A	0.11A	0.10A

COMPATIBLE DIMMERS			
Leviton	Lutron	Sensorswitch	Synergy/Leviton
6633-PA	DV-603P-LA	nSP5 PCD 2W	ISD 600 I 120/IPI06
IPL06-LED/INC mode	CT-603PR-WH	nSP5 PCD ELV 120	ISD 400 ELV 120/IPE04
6615-P	DVELV-300P		
	NTELV-300P		
	NLV600		
	300P-SELV		
	DV-600P		
	Caseta PD-6WCL*		

\*Requires Lutron Smart Bridge L-BDG2-WH (sold separately)

# WF6 6" LED Wafer Module

## LIGHTING FACTS

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

**Light Output (Lumens)** 1000  
**Watts** 13.8  
**Lumens per Watt (Efficacy)** 72.46

**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.

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

Registration Number: NJSM-QRE1B3 (6/20/2017)  
Model Number: WF6 LED 27K  
Type: Luminaire - Downlight

**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

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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)** 1100  
**Watts** 13.4  
**Lumens per Watt (Efficacy)** 82.09

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

**Light Color**  
Correlated Color Temperature (CCT) 3500 (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-ZZFC1V (6/28/2017)  
Model Number: WF6 LED 35K  
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-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)** 1210  
**Watts** 14.4  
**Lumens per Watt (Efficacy)** 84.03

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

**Light Color**  
Correlated Color Temperature (CCT) 5000 (Daylight)

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-C14WHV (6/20/2017)  
Model Number: WF6 LED 50K  
Type: Luminaire - Downlight

## LIGHTING FACTS

**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
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**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
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**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-A6485S (12/1/2016)  
Model Number: WF6 LLED 30K  
Type: Luminaire - Downlight

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

Light Output (Lumens)	840
Watts	12
Lumens per Watt (Efficacy)	70

Color Accuracy Color Rendering Index (CRI)	80
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**Light Color**  
Correlated Color Temperature (CCT) **3500 (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-SN25W5 (6/28/2017)  
Model Number: WF6 LLED 35K  
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
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**Light Color**  
Correlated Color Temperature (CCT) **4000 (Bright White)**

2700K 3000K 4500K 6500K

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

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

Light Output (Lumens)	900
Watts	12
Lumens per Watt (Efficacy)	75

Color Accuracy Color Rendering Index (CRI)	80
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**Light Color**  
Correlated Color Temperature (CCT) **5000 (Daylight)**

2700K 3000K 4500K 6500K

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Registration Number: NJSM-UDNCEH (6/28/2017)  
Model Number: WF6 LLED 50K  
Type: Luminaire - Downlight