

Catalog Number
Notes
Type

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.

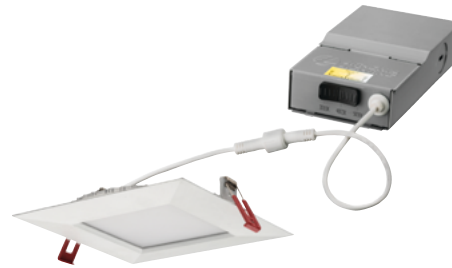
WARRANTY — 5-year limited warranty. Complete warranty terms located at: www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx

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 Square 6" LED Switchable White Color Temperature

IC/Non-IC
New Construction/Remodel



Matte black



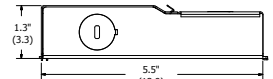
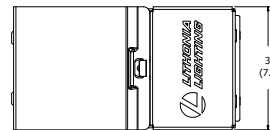
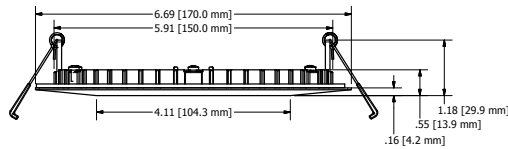
Brushed nickel



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 SQ B LED 30K40K50K 90CRI MW

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

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



WF8643 Universal New Construction Pan



Remodel Joist Bar



WFEXC6 Cable

Notes

- 1 Total system delivered lumens.

WF6 SQ Switchable White 6" LED Wafer Module

PHOTOMETRICS

Distribution Curve

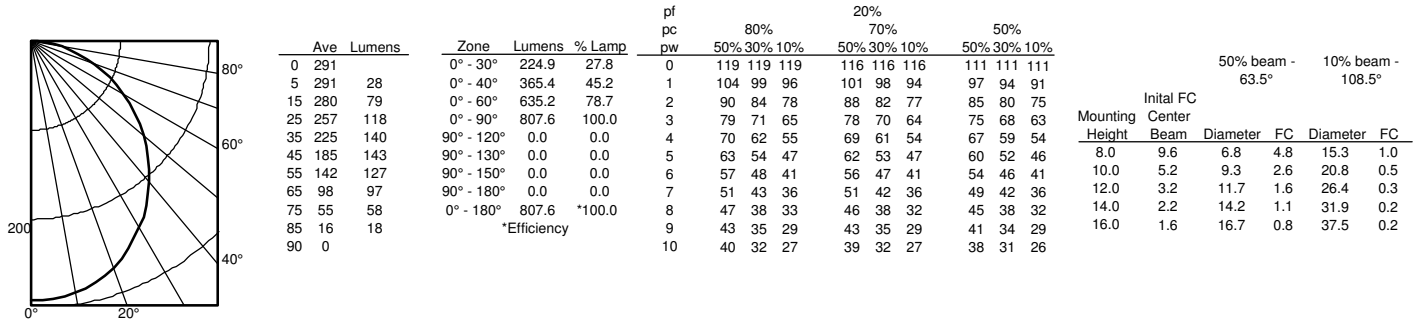
Distribution Data

Output Data

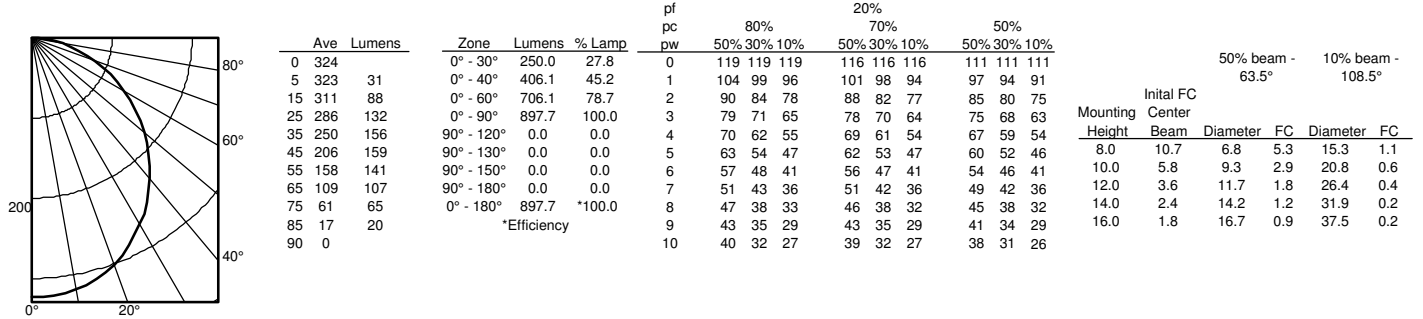
Coefficient of Utilization

Illuminance Data at 30" Above Floor for a Single Luminaire

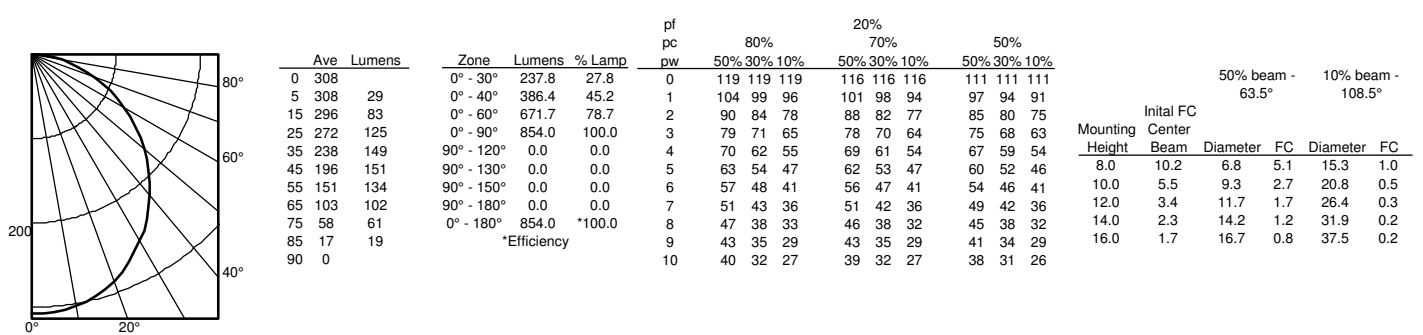
WF6 SQ S LED 27K30K35K _ 2700K LED's, input watts 13, delivered lumens: 808, LM/W=62, Test No. ISF 36826P31



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

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WF6 SQ S LED 30K40K50K_4000K LED's, input watts: 12, delivered lumens: 904, LM/W=75, test no. ISF 36826P35

Distribution Curve	Distribution Data	Output Data	Coefficient of Utilization	Illuminance Data at 30" Above Floor for a Single Luminaire																																																																																																																																																																																																																			
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WF6 SQ S LED 30K40K50K_5000K LED's, input watts: 13, delivered lumens: 862, LM/W=66, test no. ISF 36826P36

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WF6 SQ Switchable White 6" LED Wafer Module

PHOTOMETRICS

Distribution Curve

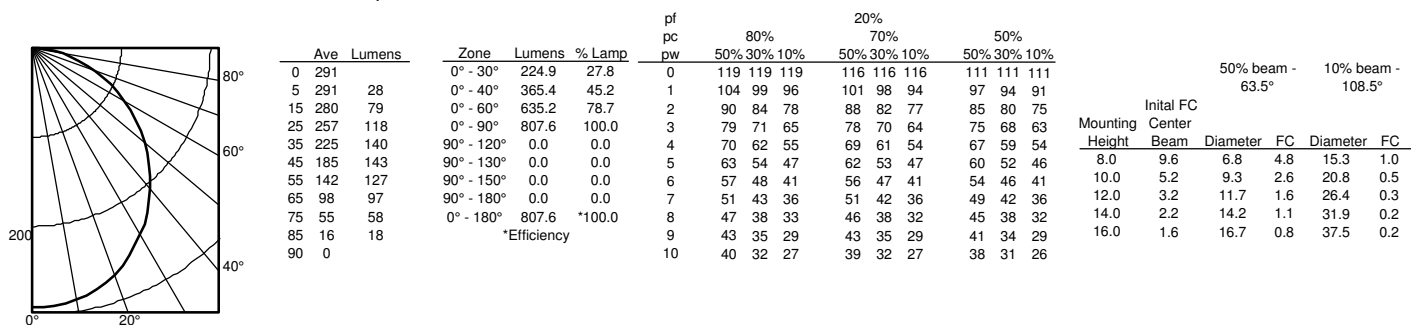
Distribution Data

Output Data

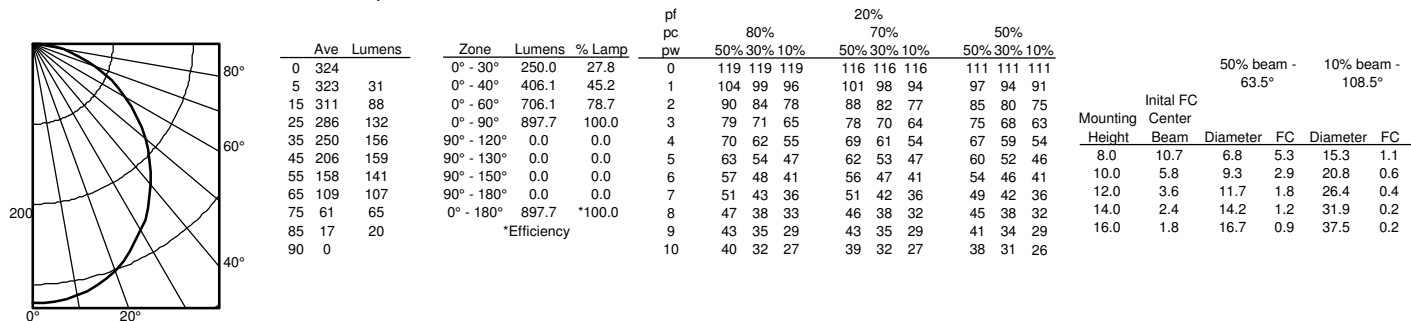
Coefficient of Utilization

Illuminance Data at 30" Above Floor for a Single Luminaire

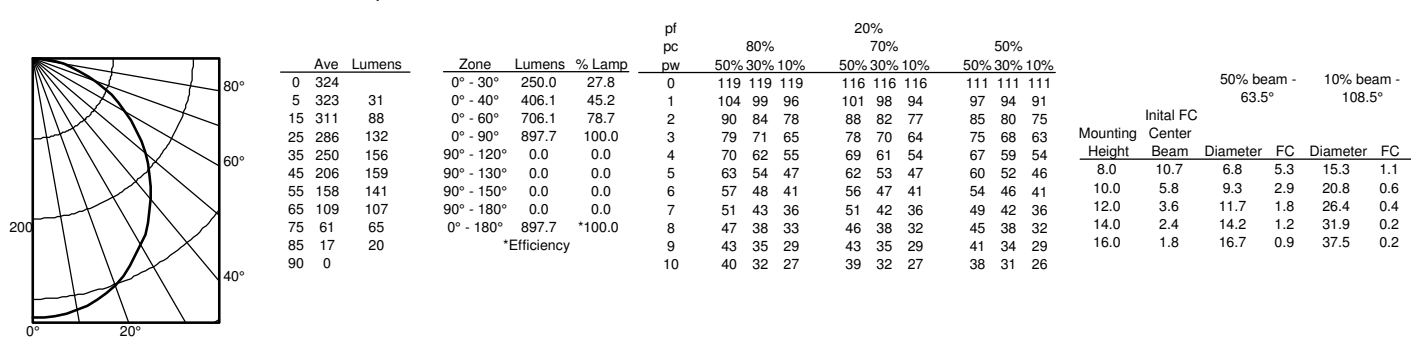
WF6 SQ B LED 27K30K35K _ 2700K LED's, input watts 13, delivered lumens: 807, LM/W=62, Test No. ISF 36826P37



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

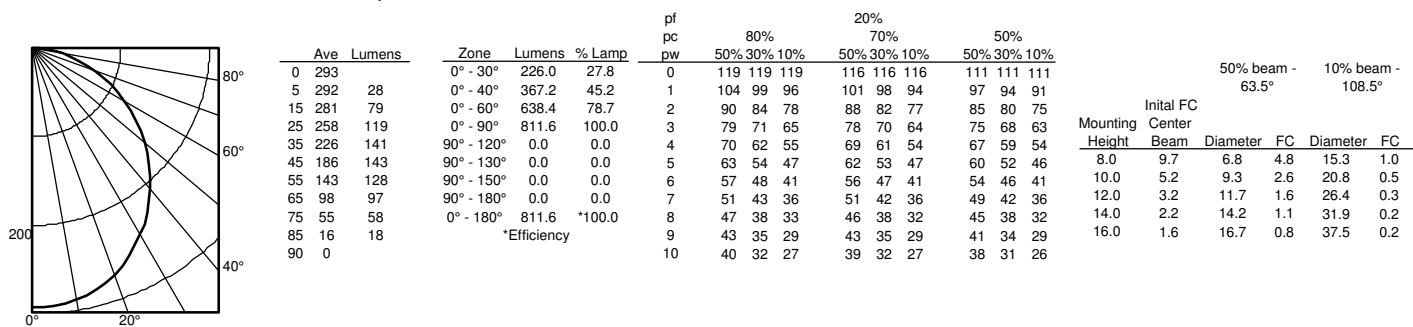
Distribution Data

Output Data

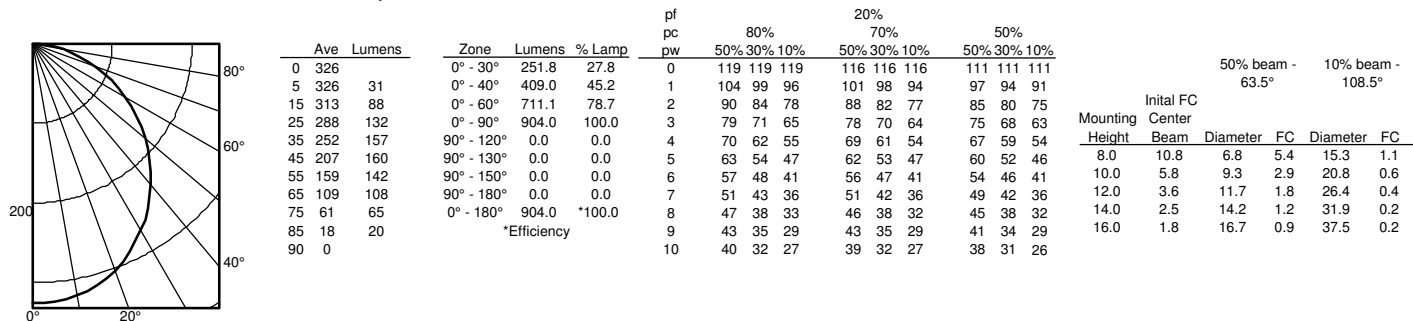
Coefficient of Utilization

Illuminance Data at 30" Above Floor for a Single Luminaire

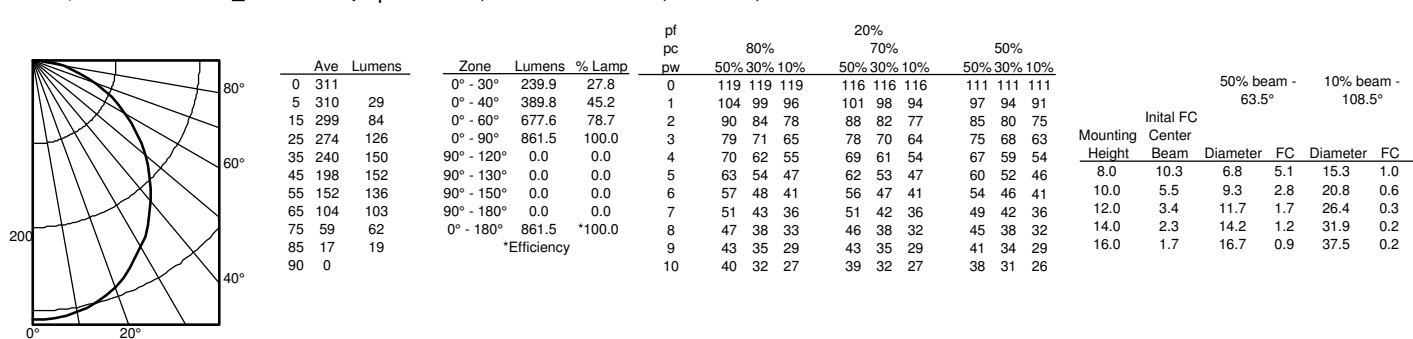
WF6 SQ B LED 30K40K50K _ 3000K LED's, input watts 13, delivered lumens: 811, LM/W=62, Test No. ISF 36826P40



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)