

## FEATURES & SPECIFICATIONS

**INTENDED USE** — The 6" Wafer™ LED Downlight with Switchable White provides high-quality light output and efficiency featuring a need 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 LED module maintains at least 70% light output for 50,000 hours. 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 choose 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.

**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** — Edge-lit LED technology uses light guided plate to distribute light. Polycarbonate lens provides even illumination throughout the space.

**ELECTRICAL** — Connect directly to 120V Class-2 (CAN ICES-005 (B) / NMB-005 (B)) LED 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 75W incandescent for 850L and 100W incandescent for 1150 lumens.

**LISTINGS** — CSA certified to US and Canadian safety standards. 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.

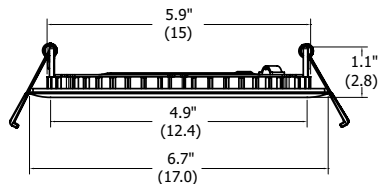
**WARRANTY** — 5-year limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at:

[www.acuitybrands.com/support/warranty/terms-and-conditions](http://www.acuitybrands.com/support/warranty/terms-and-conditions)

**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.

*Specifications*

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



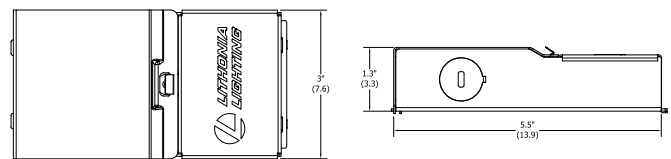
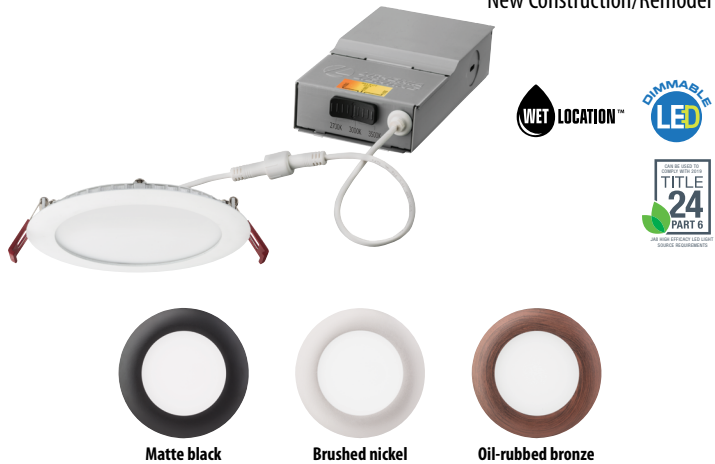
All dimensions are in inches (centimeters) unless otherwise indicated.

Catalog Number
Notes
Type

Wafer LED Recessed Downlight

# WF6 6" LED Switchable White Color Temperature

IC/Non-IC  
New Construction/Remodel



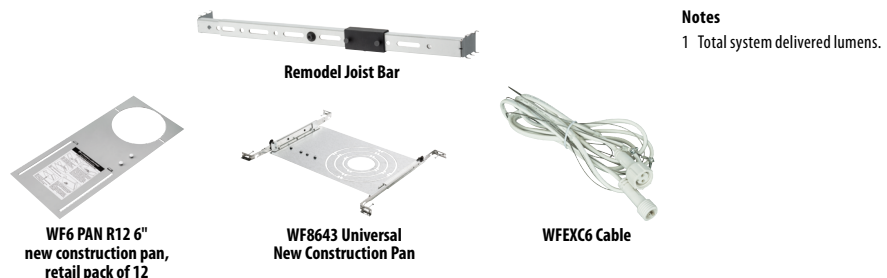
**ORDERING INFORMATION**

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

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

WF6 Series	Lamp	CCT/W/Lumens <sup>1</sup>	CRI	Finish
WF6 6" wafer-thin LED downlight	LED LED	<b>27K30K35K</b> 2700K/14W/1040L 3000K/14W/1150L 3500K/14W/1110L <b>30K40K50K</b> 3000K/14W/1090L 4000K/14W/1190L 5000K/14W/1120L	<b>90CRI</b> 90CRI	<b>MW</b> Matte White <b>MB</b> Matte Black <b>BN</b> Brush Nickel <b>ORB</b> Oil Rubbed Bronze

Accessories: Order as separate catalog number.	
WF6 PAN R12	6" new construction pan, retail pack of 12
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
WF6GR MW JZ	6" round oversized trim ring

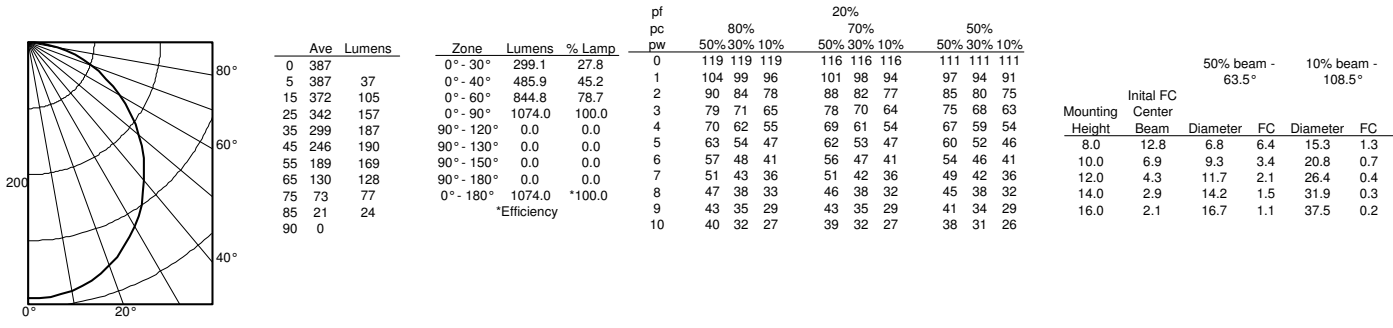


# WF6 Switchable White 6" LED Wafer Module

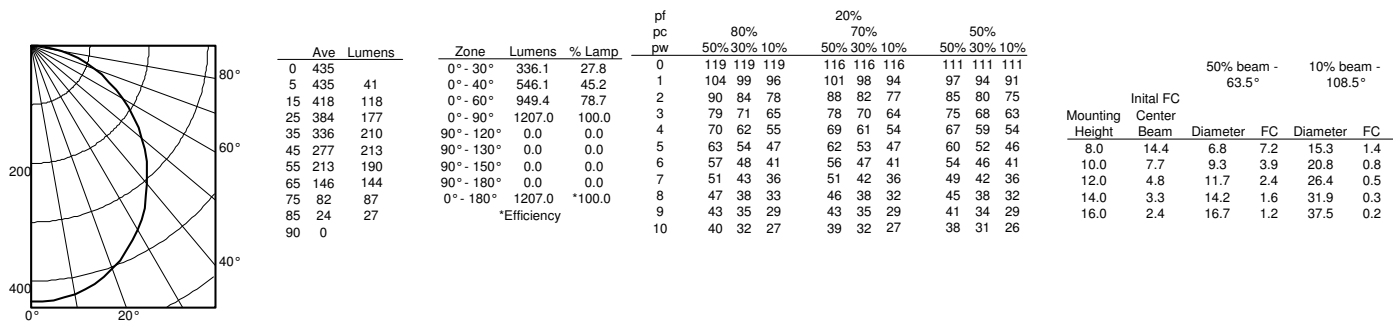
## PHOTOMETRICS

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

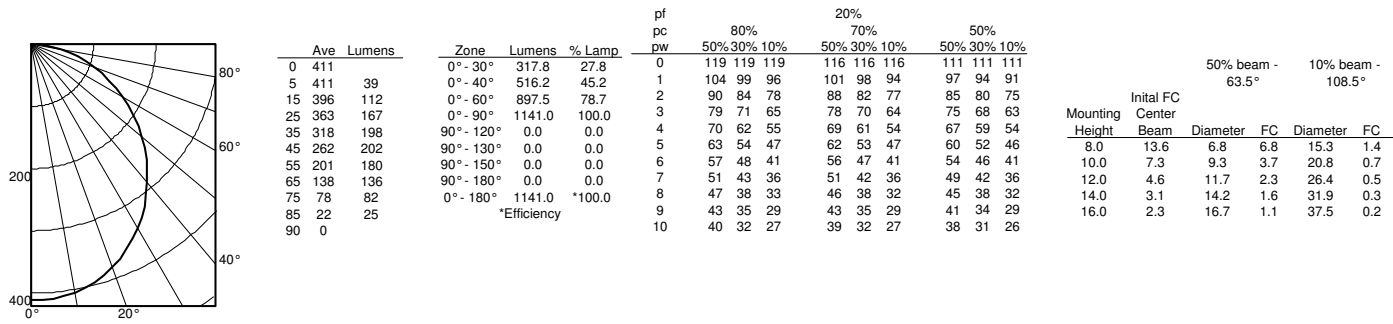
**WF6 LED 27K30K35K, 2700K LEDs, input watts: 14, delivered lumens: 1074, LM/W=77, test no. ISF 36826P7**



**WF6 LED 27K30K35K, 3000K LEDs, input watts: 13, delivered lumens: 1207, LM/W=93, test no. ISF 36826P8**



**WF6 LED 27K30K35K, 3500K LEDs, input watts: 14, delivered lumens: 1141, LM/W=82, test no. ISF 36826P9**



# WF6 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				
<b>WF6 LED 30K40K50K, 3000K LEDs, input watts: 14, delivered lumens: 1099, LM/W=79, test no. ISF 36826P10</b>								
	Ave Lumens	Zone Lumens % Lamp	pf pc pw	80% 50% 30% 10%	20% 50% 30% 10%	50% 50% 30% 10%	50% beam - 63.5°	10% beam - 108.5°
	0 396	0° - 30° 306.1 27.8	0	119 119 119	116 116 116	111 111 111		
	5 396 38	0° - 40° 497.2 45.2	1	104 99 96	101 98 94	97 94 91		
	15 381 107	0° - 60° 864.4 78.7	2	90 84 78	88 82 77	85 80 75		
	25 350 161	0° - 90° 1099.0 100.0	3	79 71 65	78 70 64	75 68 63		
	35 306 191	90° - 120° 0.0 0.0	4	70 62 55	69 61 54	67 59 54		
	45 252 194	90° - 130° 0.0 0.0	5	63 54 47	62 53 47	60 52 46		
	55 194 173	90° - 150° 0.0 0.0	6	57 48 41	56 47 41	54 46 41		
	65 133 131	90° - 180° 0.0 0.0	7	51 43 36	51 42 36	49 42 36		
	75 75 79	0° - 180° 1099.0 *100.0	8	47 38 33	46 38 32	45 38 32		
	85 21 24	*Efficiency	9	43 35 29	43 35 29	41 34 29		
90 0		10	40 32 27	39 32 27	38 31 26			
Mounting Height	Initial FC Center Beam	Diameter FC	Diameter FC	Diameter FC	FC			
8.0	13.1	6.8 6.5	15.3 1.3					
10.0	7.0	9.3 3.5	20.8 0.7					
12.0	4.4	11.7 2.2	26.4 0.4					
14.0	3.0	14.2 1.5	31.9 0.3					
16.0	2.2	16.7 1.1	37.5 0.2					

Distribution Curve	Distribution Data	Output Data	Coefficient of Utilization	Illuminance Data at 30" Above Floor for a Single Luminaire				
<b>WF6 LED 30K40K50K, 4000K LEDs, input watts: 13, delivered lumens: 1199, LM/W=92, test no. ISF 36826P11</b>								
	Ave Lumens	Zone Lumens % Lamp	pf pc pw	80% 50% 30% 10%	20% 50% 30% 10%	50% 50% 30% 10%	50% beam - 63.5°	10% beam - 108.5°
	0 432	0° - 30° 333.9 27.8	0	119 119 119	116 116 116	111 111 111		
	5 432 41	0° - 40° 542.4 45.2	1	104 99 96	101 98 94	97 94 91		
	15 416 117	0° - 60° 943.1 78.7	2	90 84 78	88 82 77	85 80 75		
	25 382 176	0° - 90° 1199.0 100.0	3	79 71 65	78 70 64	75 68 63		
	35 334 209	90° - 120° 0.0 0.0	4	70 62 55	69 61 54	67 59 54		
	45 275 212	90° - 130° 0.0 0.0	5	63 54 47	62 53 47	60 52 46		
	55 212 189	90° - 150° 0.0 0.0	6	57 48 41	56 47 41	54 46 41		
	65 145 143	90° - 180° 0.0 0.0	7	51 43 36	51 42 36	49 42 36		
	75 81 86	0° - 180° 1199.0 *100.0	8	47 38 33	46 38 32	45 38 32		
	85 23 26	*Efficiency	9	43 35 29	43 35 29	41 34 29		
90 0		10	40 32 27	39 32 27	38 31 26			
Mounting Height	Initial FC Center Beam	Diameter FC	Diameter FC	Diameter FC	FC			
8.0	14.3	6.8 7.1	15.3 1.4					
10.0	7.7	9.3 3.8	20.8 0.8					
12.0	4.8	11.7 2.4	26.4 0.5					
14.0	3.3	14.2 1.6	31.9 0.3					
16.0	2.4	16.7 1.2	37.5 0.2					

Distribution Curve	Distribution Data	Output Data	Coefficient of Utilization	Illuminance Data at 30" Above Floor for a Single Luminaire				
<b>WF6 LED 30K40K50K, 5000K LEDs, input watts: 14, delivered lumens: 1127, LM/W=81, test no. ISF 36826P12</b>								
	Ave Lumens	Zone Lumens % Lamp	pf pc pw	80% 50% 30% 10%	20% 50% 30% 10%	50% 50% 30% 10%	50% beam - 63.5°	10% beam - 108.5°
	0 406	0° - 30° 313.9 27.8	0	119 119 119	116 116 116	111 111 111		
	5 406 39	0° - 40° 509.9 45.2	1	104 99 96	101 98 94	97 94 91		
	15 391 110	0° - 60° 886.5 78.7	2	90 84 78	88 82 77	85 80 75		
	25 359 165	0° - 90° 1127.0 100.0	3	79 71 65	78 70 64	75 68 63		
	35 314 196	90° - 120° 0.0 0.0	4	70 62 55	69 61 54	67 59 54		
	45 258 199	90° - 130° 0.0 0.0	5	63 54 47	62 53 47	60 52 46		
	55 199 177	90° - 150° 0.0 0.0	6	57 48 41	56 47 41	54 46 41		
	65 136 135	90° - 180° 0.0 0.0	7	51 43 36	51 42 36	49 42 36		
	75 77 81	0° - 180° 1127.0 *100.0	8	47 38 33	46 38 32	45 38 32		
	85 22 25	*Efficiency	9	43 35 29	43 35 29	41 34 29		
90 0		10	40 32 27	39 32 27	38 31 26			
Mounting Height	Initial FC Center Beam	Diameter FC	Diameter FC	Diameter FC	FC			
8.0	13.4	6.8 6.7	15.3 1.3					
10.0	7.2	9.3 3.6	20.8 0.7					
12.0	4.5	11.7 2.3	26.4 0.4					
14.0	3.1	14.2 1.5	31.9 0.3					
16.0	2.2	16.7 1.1	37.5 0.2					

# WF6 Switchable White 6" LED Wafer Module

## ENERGY DATA

WF6 LED 27K30K35K			
Color Temperature	2700K	3000K	3500K
Lumens	1070	1150	1110
CRI	90	90	90
Rated wattage	14.1	13.4	13.9
Lu/Watts	75.9	85.8	79.9
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	0.12A	0.12A	0.12A

WF6 LED 30K40K50K			
Color Temperature	3000K	4000K	5000K
Lumens	1090	1190	1120
CRI	90	90	90
Rated wattage	13.8	13.4	13.9
Lu/Watts	79.0	88.8	80.6
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	0.12A	0.12A	0.12A

## LIGHTING PERFORMANCE DATA



### HIGH LUMEN

LIGHTING PERFORMANCE DATA DONNÉES SUR LE RENDEMENT DE L'ÉCLAIRAGE	
Light Appearance (CCT) Aspect de la lumière (CCT)	
<b>2700K</b> soft white   blanc doux	
1070 lumens   76 lumens per watt	
<b>3000K</b> warm white   blanc chaud	
1150 lumens   82 lumens per watt	
<b>3500K</b> neutral white   blanc neutre	
1110 lumens   79 lumens per watt	
Watts	14
Color Accuracy (CRI) Précision des couleurs (CRI)	90

LIGHTING PERFORMANCE DATA DONNÉES SUR LE RENDEMENT DE L'ÉCLAIRAGE	
Light Appearance (CCT) Aspect de la lumière (CCT)	
<b>3000K</b> warm white   blanc chaud	
1090 lumens   78 lumens per watt	
<b>4000K</b> cool white   blanc froid	
1190 lumens   85 lumens per watt	
<b>5000K</b> daylight   blanc neutre	
1120 lumens   80 lumens per watt	
Watts	14
Color Accuracy (CRI) Précision des couleurs (CRI)	90