

Catalog Number
Notes
Type

FEATURES & SPECIFICATIONS

INTENDED USE — The 6" Wafer™ LED 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 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 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.

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.

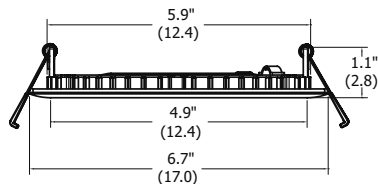
ELECTRICAL — Connect directly to 120V Class-2 (CAN ICES-005 (B) / NMB-005 (B)) LED driver. High efficient driver with power factor > 0.9. Ambient operating temperature: -40°F (-40°C) to +104°F (+40°C). Dimming down to 10% with most standard incandescent dimers (see list of approved dimmers). Replaces 75W incandescent for 850L and 100W incandescent for 1150 lumens.

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



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 ¹	CRI	Finish
WF6 6" wafer-thin LED downlight	LL LED Low Lumen	27K30K35K 2700K/10W/830L 3000K/10W/900L 3500K/10W/860L 30K40K50K 3000K/10W/850L 4000K/10W/920L 5000K/10W/880L	90CRI 90CRI	MW Matte White MB Matte Black BN Brush Nickel ORB Oil Rubbed Bronze
	LED LED	27K30K35K 2700K/14W/1040L 3000K/14W/1150L 3500K/14W/1110L 30K40K50K 3000K/14W/1090L 4000K/14W/1190L 5000K/14W/1120L		

Notes
1 Total system delivered lumens.

See Accessories next page.

WF6 Switchable White 6" LED Wafer Module

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 PAN R12 6" new construction pan, retail pack of 12



WF8643 Universal New Construction Pan



Remodel Joist Bar



WFEXC6 Cable

PHOTOMETRICS

Distribution Curve

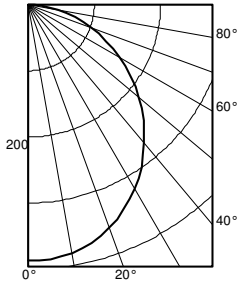
Distribution Data

Output Data

Coefficient of Utilization

Illuminance Data at 30" Above Floor for a Single Luminaire

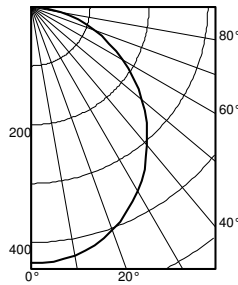
WF6 LED 27K30K35K, 2700K LEDs, input watts: 14, delivered lumens: 1074, LM/W=77, test no. ISF 36826P7



Ave Lumens	Zone	Lumens	% Lamp	pf	80%			70%			50%		
					pc	pw	50%	30%	10%	50%	30%	10%	50%
0	0° - 30°	299.1	27.8	0	119	119	119	116	116	116	111	111	111
5	0° - 40°	485.9	45.2	1	104	99	96	101	98	94	97	94	91
15	0° - 60°	844.8	78.7	2	90	84	78	88	82	77	85	80	75
25	0° - 90°	1074.0	100.0	3	79	71	65	78	70	64	75	68	63
35	90° - 120°	0.0	0.0	4	70	62	55	69	61	54	67	59	54
45	90° - 130°	0.0	0.0	5	63	54	47	62	53	47	60	52	46
55	90° - 150°	0.0	0.0	6	57	48	41	56	47	41	54	46	41
65	90° - 180°	0.0	0.0	7	51	43	36	51	42	36	49	42	36
75	0° - 180°	1074.0	*100.0	8	47	38	33	46	38	32	45	38	32
85				9	43	35	29	43	35	29	41	34	29
90				10	40	32	27	39	32	27	38	31	26

Mounting Height	Initial Center Beam	50% beam - 63.5°		10% beam - 108.5°	
		Diameter	FC	Diameter	FC
8.0	12.8	6.8	6.4	15.3	1.3
10.0	6.9	9.3	3.4	20.8	0.7
12.0	4.3	11.7	2.1	26.4	0.4
14.0	2.9	14.2	1.5	31.9	0.3
16.0	2.1	16.7	1.1	37.5	0.2

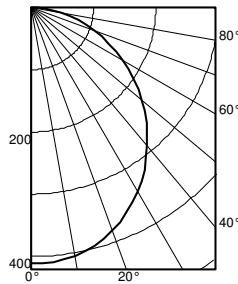
WF6 LED 27K30K35K, 3000K LEDs, input watts: 13, delivered lumens: 1207, LM/W=93, test no. ISF 36826P8



Ave Lumens	Zone	Lumens	% Lamp	pf	80%			70%			50%		
					pc	pw	50%	30%	10%	50%	30%	10%	50%
0	0° - 30°	336.1	27.8	0	119	119	119	116	116	116	111	111	111
5	0° - 40°	546.1	45.2	1	104	99	96	101	98	94	97	94	91
15	0° - 60°	949.4	78.7	2	90	84	78	88	82	77	85	80	75
25	0° - 90°	1207.0	100.0	3	79	71	65	78	70	64	75	68	63
35	90° - 120°	0.0	0.0	4	70	62	55	69	61	54	67	59	54
45	90° - 130°	0.0	0.0	5	63	54	47	62	53	47	60	52	46
55	90° - 150°	0.0	0.0	6	57	48	41	56	47	41	54	46	41
65	90° - 180°	0.0	0.0	7	51	43	36	51	42	36	49	42	36
75	0° - 180°	1207.0	*100.0	8	47	38	33	46	38	32	45	38	32
85				9	43	35	29	43	35	29	41	34	29
90				10	40	32	27	39	32	27	38	31	26

Mounting Height	Initial Center Beam	50% beam - 63.5°		10% beam - 108.5°	
		Diameter	FC	Diameter	FC
8.0	14.4	6.8	7.2	15.3	1.4
10.0	7.7	9.3	3.9	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

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



Ave Lumens	Zone	Lumens	% Lamp	pf	80%			70%			50%		
					pc	pw	50%	30%	10%	50%	30%	10%	50%
0	0° - 30°	317.8	27.8	0	119	119	119	116	116	116	111	111	111
5	0° - 40°	516.2	45.2	1	104	99	96	101	98	94	97	94	91
15	0° - 60°	897.5	78.7	2	90	84	78	88	82	77	85	80	75
25	0° - 90°	1141.0	100.0	3	79	71	65	78	70	64	75	68	63
35	90° - 120°	0.0	0.0	4	70	62	55	69	61	54	67	59	54
45	90° - 130°	0.0	0.0	5	63	54	47	62	53	47	60	52	46
55	90° - 150°	0.0	0.0	6	57	48	41	56	47	41	54	46	41
65	90° - 180°	0.0	0.0	7	51	43	36	51	42	36	49	42	36
75	0° - 180°	1141.0	*100.0	8	47	38	33	46	38	32	45	38	32
85				9	43	35	29	43	35	29	41	34	29
90				10	40	32	27	39	32	27	38	31	26

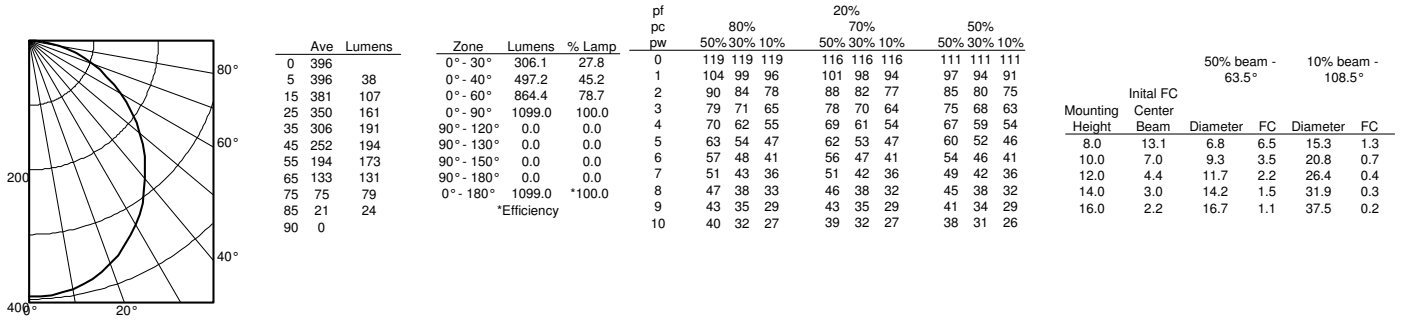
Mounting Height	Initial Center Beam	50% beam - 63.5°		10% beam - 108.5°	
		Diameter	FC	Diameter	FC
8.0	13.6	6.8	6.8	15.3	1.4
10.0	7.3	9.3	3.7	20.8	0.7
12.0	4.6	11.7	2.3	26.4	0.5
14.0	3.1	14.2	1.6	31.9	0.3
16.0	2.3	16.7	1.1	37.5	0.2

WF6 Switchable White 6" LED Wafer Module

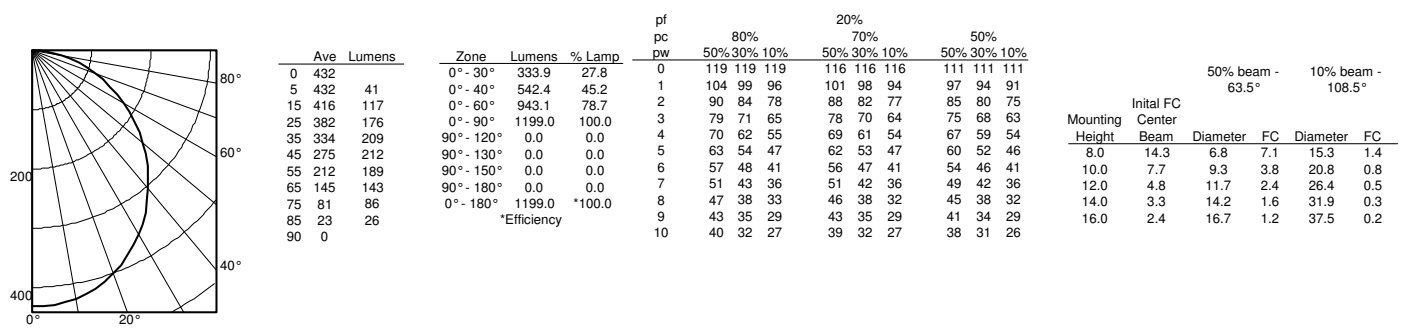
PHOTOMETRICS

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

WF6 LED 30K40K50K, 3000K LEDs, input watts: 14, delivered lumens: 1099, LM/W=79, test no. ISF 36826P10



WF6 LED 30K40K50K, 4000K LEDs, input watts: 13, delivered lumens: 1199, LM/W=92, test no. ISF 36826P11



WF6 LED 30K40K50K, 5000K LEDs, input watts: 14, delivered lumens: 1127, LM/W=81, test no. ISF 36826P12

