

FEATURES & SPECIFICATIONS

INTENDED USE — The 4", 6" and 8" 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 Wafer LED downlight is wet location listed - making it ideal for use in a breadth of outdoor residential, hospitality, commercial and multifamily applications. The LED module maintains at least 70% light output for 50,000 hours.

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.

INSTALLATION — Ideal for shallow ceiling plenum; no housing required. Steel spring clip for easy installation. 4", 6" or 8" 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 4-1/4" for the WF4, 6-1/4" for the WF6 and 8-1/4" for the WF8. Suitable for installation in t-grid and drop ceiling applications WF8643 Pan. 3" 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.

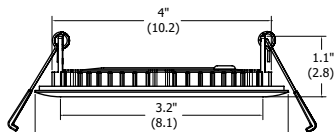
ELECTRICAL — Connect directly to 120V Class-2 (CAN ICES-005 (B) / NMB-005 (B)) LED driver. High efficient driver with power factor > 0.9. Ambient operating temperature: -40°F (-40°C) to +104°F (+40°C). Dimming down to 10% with most standard incandescent dimmers (see list of approved dimmers). Replaces 65W incandescent (WF4), 75W incandescent (WF6) or 100W incandescent (WF8).

LISTINGS — CSA certified to US and Canadian safety standards. ENERGY STAR® certified. Suitable for wet location, covered ceiling. 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.

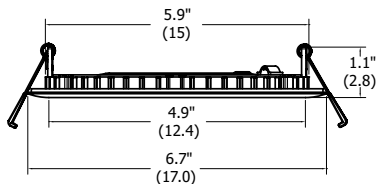
WARRANTY — 5-year limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at: www.acuitybrands.com/support/warranty/terms-and-conditions

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.

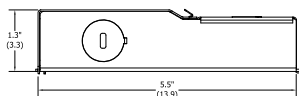
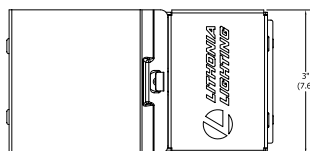
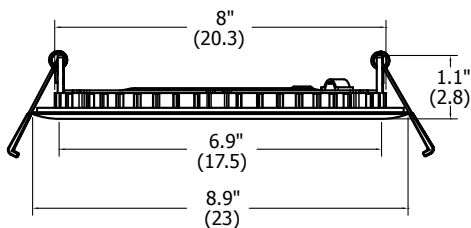
WF4



WF6



WF8



Catalog Number
Notes
Type

Wafer LED Recessed Downlight

WF4/WF6/WF8

4", 6" and 8" LED

Switchable White

Color Temperature

IC/Non-IC

New Construction/Remodel



WF4 Specifications

Aperture:	3.2 (8.1)
Ceiling opening:	4.2 (10.7)
Overlap trim:	4.7 (12.0)
Height:	1.1 (2.8)

WF6 Specifications

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

WF8 Specifications

Aperture:	6.9" (17.5)
Ceiling opening:	8" (20.4)
Overlap trim:	8.9" (22.5)
Height:	1.1" (2.8)

All dimensions are inches (centimeters) unless otherwise indicated.

WF4/WF6/WF8 Switchable White 4", 6" or 8" LED Wafer Module

ORDERING INFORMATION

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

Example: WF4 LED 30K40K50K 90CRI MW

WF4	LED			
Series	Lamp	CCT/W/Lumens ¹	CRI	Finish
WF4 4" wafer-thin LED downlight	LED LED	27K30K35K 2700K/10.5W/730L 3000K/10.5W/800L 3500K/10.5W/780L 30K40K50K 3000K/10.5W/750L 4000K/10.5W/810L 5000K/10.5W/790L	90CRI 90CRI	MW Matte White MB Matte Black BN Brush Nickel ORB Oil-Rubbed Bronze

ORDERING INFORMATION

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

Example: WF6 LED 30K40K50K 90CRI MW

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

ORDERING INFORMATION

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

Example: WF8 LED 30K40K50KT 90CRI MW

WF8	LED			
Series	Lamp	CCT/W/Lumens ¹	CRI	Finish
WF8 8" wafer-thin LED downlight	LED LED	30K40K50K 3000K/20W/1690L 4000K/20W/1850L 5000K/20W/1820L	90CRI 90CRI	MW Matte white

Notes

1 Total system delivered lumens.

Accessories: Order as separate catalog number.

WF4 PAN R12	4" new construction pan, retail pack of 12
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
WF4GR MW JZ	4" Wafer Goof Ring 4.2" ID x 6.2" OD
WF6GR MW JZ	6" Wafer Goof Ring 6" ID x 8" OD
WF8GR MW JZ	8" Wafer Goof Ring 8.1" ID x 10.1 OD

*Goof rings are made of 22 gauge steel and painted white.



WF8643 New Construction Pan



Remodel Joist Bar



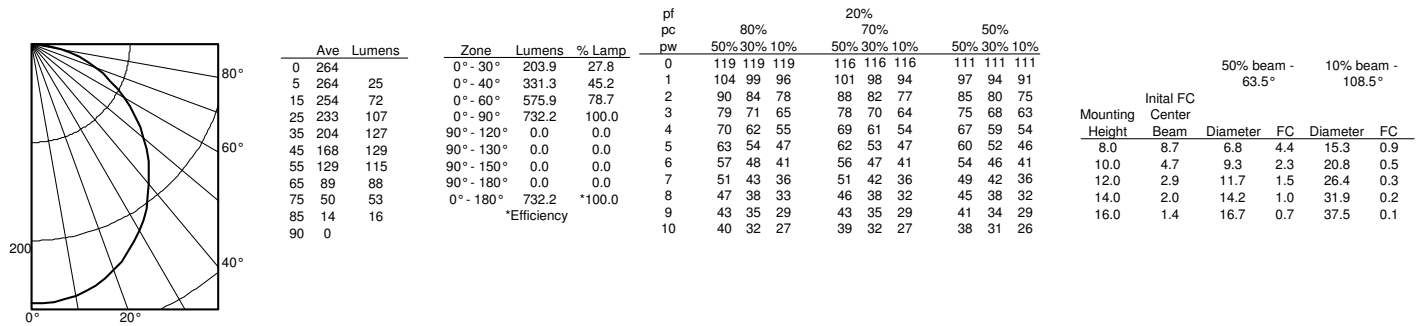
WFEXC6 Cable

WF4/WF6/WF8 Switchable White 4", 6" or 8" LED Wafer Module

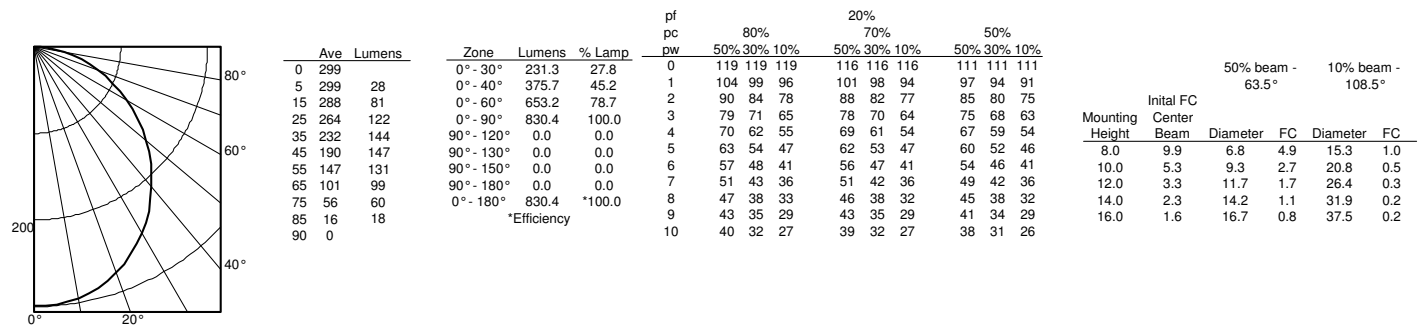
PHOTOMETRICS

Distribution Curve	Distribution Data	Output Data	Coefficient of Utilization	Illuminance Data at 30" Above Floor for a Single Luminaire
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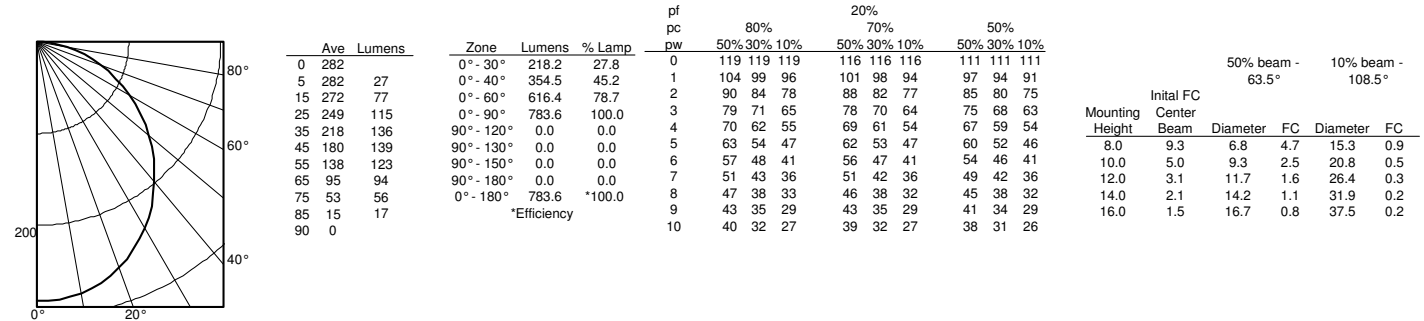
WF4 LED 27K30K35K, 2700 K LEDs, input watts: 11, delivered lumens: 732, LM/W=67, test no. ISF 36826P1



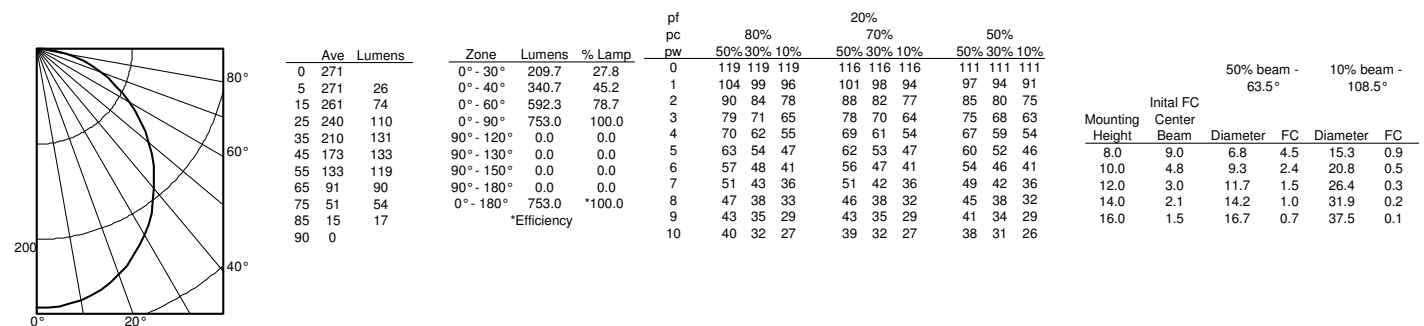
WF4 LED 27K30K35K, 3000 K LEDs, input watts: 10, delivered lumens: 830, LM/W=83, test no. ISF 36826P2



WF4 LED 27K30K35K, 3500 K LEDs, input watts: 10, delivered lumens: 784, LM/W=78, test no. ISF 36826P3



WF4 LED 30K40K50K, 3000 K LEDs, input watts: 11, delivered lumens: 753, LM/W=68, test no. ISF 36826P4

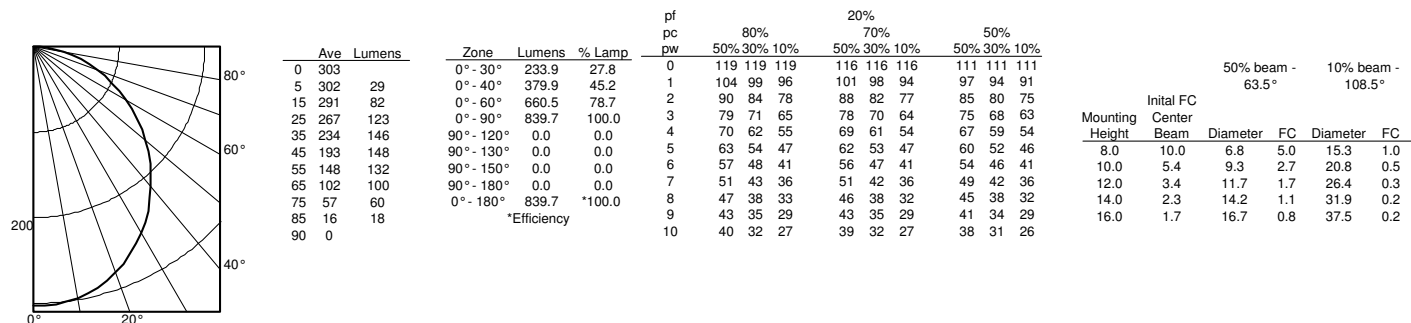


WF4/WF6/WF8 Switchable White 4", 6" or 8" LED Wafer Module

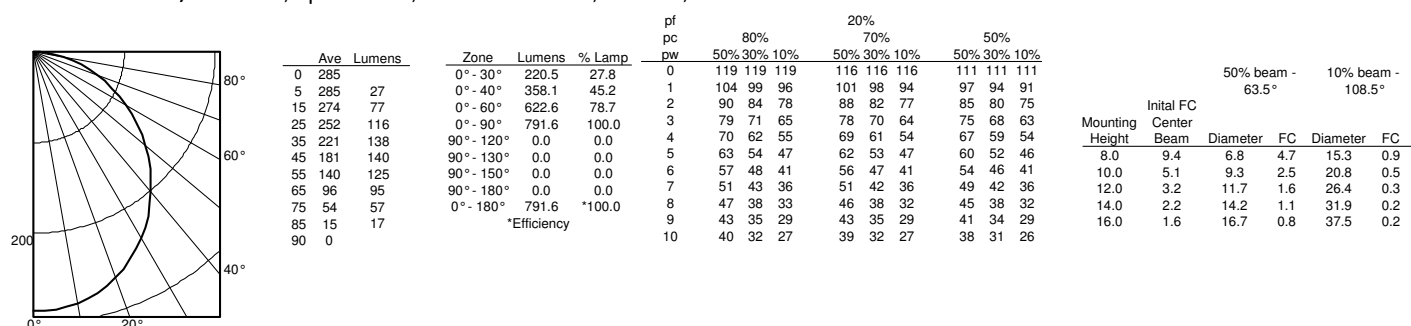
PHOTOMETRICS

Distribution Curve	Distribution Data	Output Data	Coefficient of Utilization	Illuminance Data at 30" Above Floor for a Single Luminaire
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WF4 LED 30K40K50K, 4000 K LEDs, input watts: 11, delivered lumens: 840, LM/W=76, test no. ISF 36826P5



WF4 LED 30K40K50K, 5000 K LEDs, input watts: 10, delivered lumens: 791, LM/W=79, test no. ISF 36826P6



ENERGY DATA

WF4 LED 27K30K35K			
Color Temperature	2700K	3000K	3500K
Lumens	730	800	780
CRI	90	90	90
Rated wattage	10.7	10.1	10.4
Lu/Watts	68.2	79.2	75.0
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	0.97	0.97	0.97
Input frequency	50/60 Hz	50/60 Hz	50/60 Hz
Input power	120V	120V	120V
Input current	0.09A	0.09A	0.09A

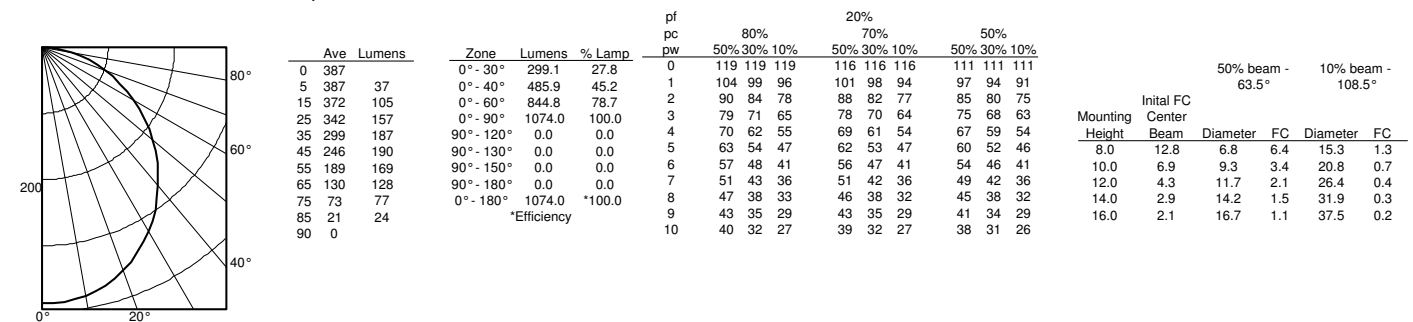
WF4 LED 30K40K50K			
Color Temperature	3000K	4000K	5000K
Lumens	750	810	790
CRI	90	90	90
Rated wattage	10.6	10.6	10.1
Lu/Watts	70.8	76.4	78.2
Min. starting temp	-40°C (-40°F)	-40°C (-40°F)	-40°C (-40°F)
EMI/RFI	FCC Title 47 CFR, Part 15, Class B	FCC Title 47 CFR, Part 15, Class B	FCC Title 47 CFR, Part 15, Class B
Sound rating	Class A Standards	Class A Standards	Class A Standards
Input voltage	120V	120V	120V
Min. power factor	0.97	0.97	0.97
Input frequency	50/60 Hz	50/60 Hz	50/60 Hz
Input power	120V	120V	120V
Input current	0.09A	0.09A	0.09A

WF4/WF6/WF8 Switchable White 4", 6" or 8" LED Wafer Module

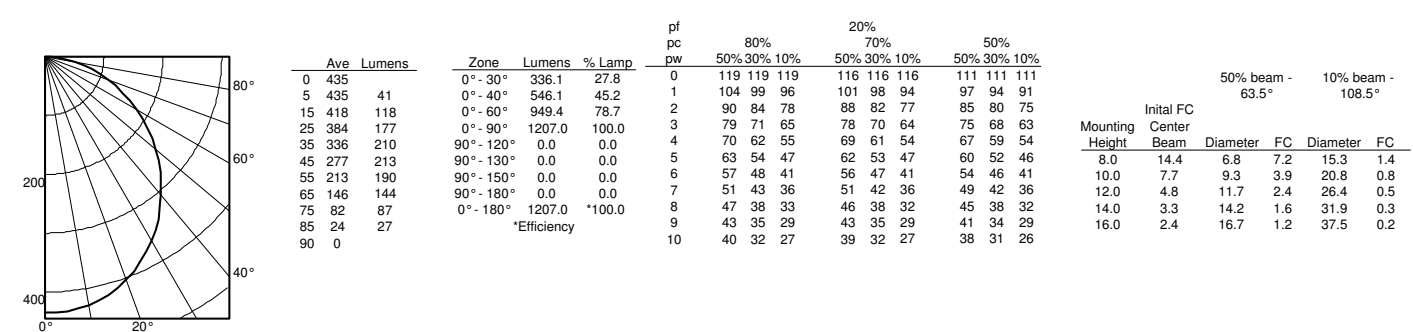
PHOTOMETRICS

Distribution Curve	Distribution Data	Output Data	Coefficient of Utilization	Illuminance Data at 30" Above Floor for a Single Luminaire
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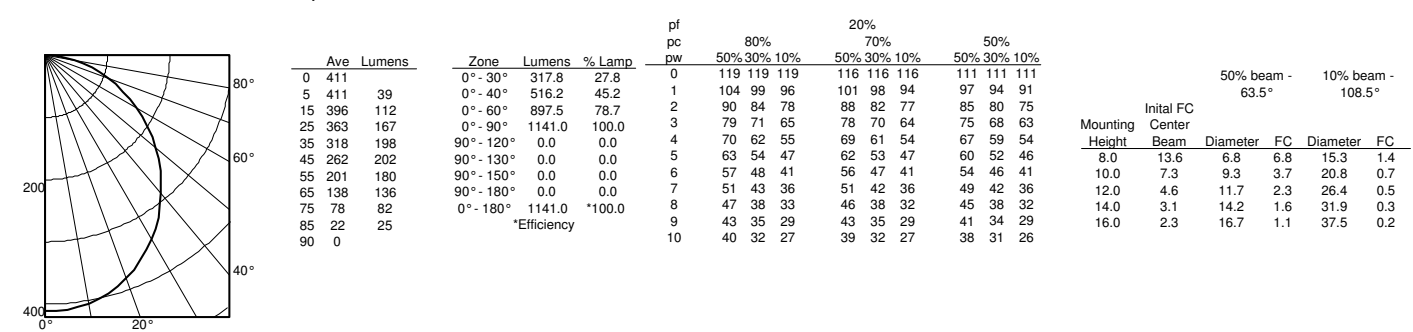
WF6 LED 27K30K35K, 2700K LEDs, input watts: 14, delivered lumens: 1074, LM/W=77, test no. ISF 36826P7



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

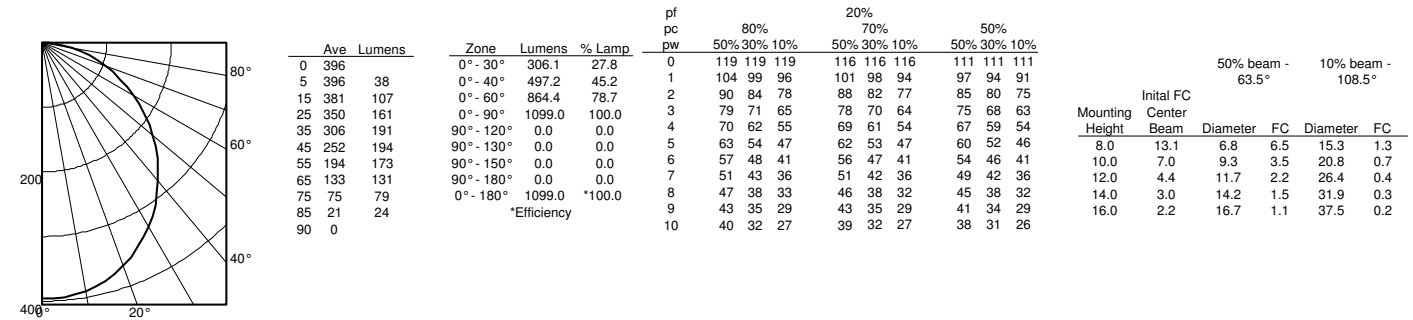


WF4/WF6/WF8 Switchable White 4", 6" or 8" LED Wafer Module

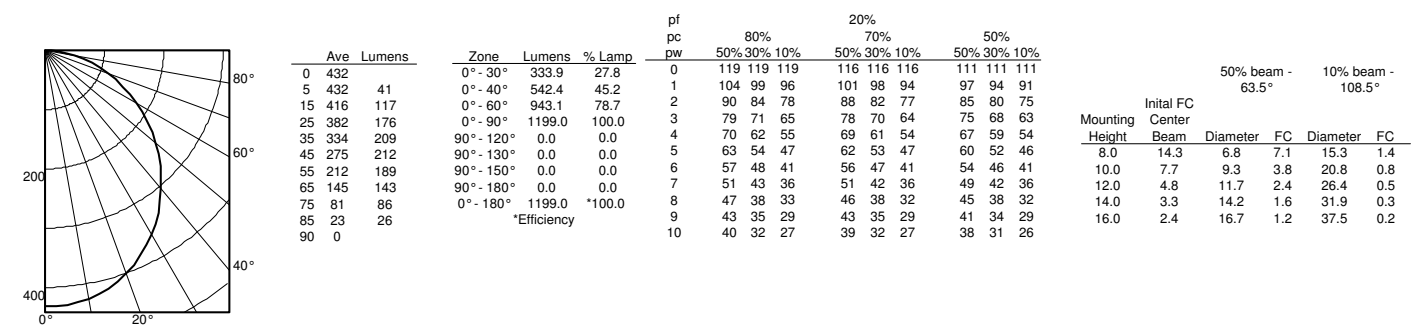
PHOTOMETRICS

Distribution Curve	Distribution Data	Output Data	Coefficient of Utilization	Illuminance Data at 30" Above Floor for a Single Luminaire
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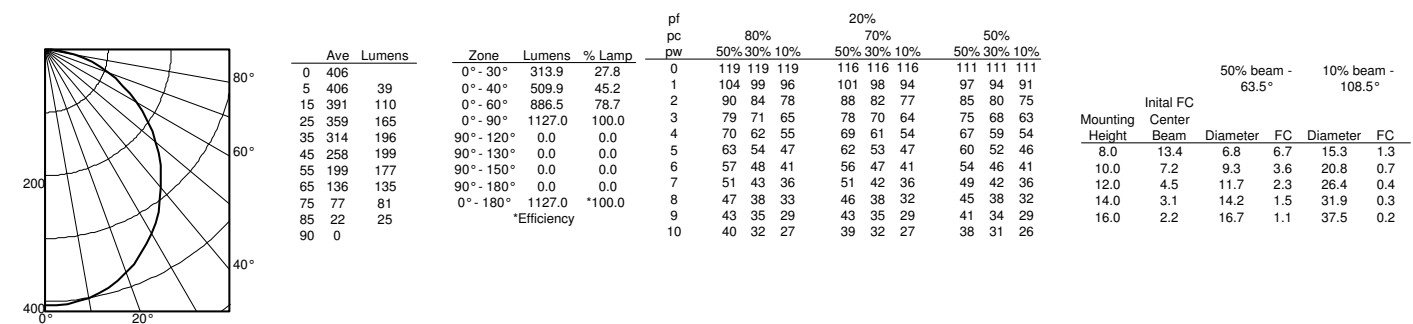
WF6 LED 30K40K50K, 3000K LEDs, input watts: 14, delivered lumens: 1099, LM/W=79, test no. ISF 36826P10



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



WF4/WF6/WF8 Switchable White 4", 6" or 8" 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

WF4/WF6/WF8 Switchable White 4", 6" or 8" LED Wafer Module

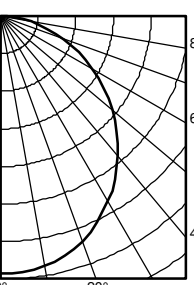
PHOTOMETRICS

Distribution Curve	Distribution Data	Output Data	Coefficient of Utilization	Illuminance Data at 30" Above Floor for a Single Luminaire
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WF8 LED 30K40K50K_3000K LED's, input watts: 20, delivered lumens: 1698, LM/W=85, test no. ISF 36826P46

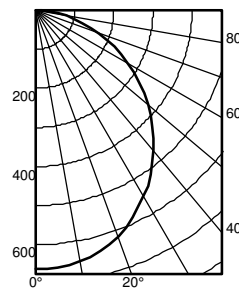
	Ave Lumens		Zone	Lumens	% Lamp	pf	80%			70%			50%			Initial FC					
						pc	50%	30%	10%	50%	30%	10%	50%	30%	10%	Mounting Height	Center Beam	Diameter	FC	Diameter	FC
	0	612	0° - 30°	472.9	27.8	0	119	119	119	116	116	116	111	111	111	50% beam - 63.5° 10% beam - 108.5°					
	5	612	0° - 40°	768.2	45.2	1	104	99	96	101	98	94	97	94	91						
	15	589	0° - 60°	1335.6	78.7	2	90	84	78	88	82	77	85	80	75						
	25	540	0° - 90°	1698.0	100.0	3	79	71	65	78	70	64	75	68	63						
	35	473	90° - 120°	0.0	0.0	4	70	62	55	69	61	54	67	59	54						
	45	389	90° - 130°	0.0	0.0	5	63	54	47	62	53	47	60	52	46						
	55	300	90° - 150°	0.0	0.0	6	57	48	41	56	47	41	54	46	41						
	65	206	90° - 180°	0.0	0.0	7	51	43	36	51	42	36	49	42	36						
	75	115	0° - 180°	1698.0	*100.0	8	47	38	33	46	38	32	45	38	32						
85	33	*Efficiency			9	43	35	29	43	35	29	41	34	29							
90	0				10	40	32	27	39	32	27	38	31	26							

WF8 LED 30K40K50K_4000K LED's, input watts: 19.64, delivered lumens: 1900, LM/W=97, test no. ISF 36826P47

	Ave Lumens		Zone Lumens % Lamp		pf	80%			20%			50%								
					pc				70%											
					pw	50%	30%	10%	50%	30%	10%	50%	30%	10%						
	0	685	0° - 30°	529.2 27.8	0	119	119	119	116	116	116	111	111	111	50% beam - 63.5° 10% beam - 108.5°					
	5	684	0° - 40°	859.6 45.2	1	104	99	96	101	98	94	97	94	91						
	15	659	0° - 60°	1494.5 78.7	2	90	84	78	88	82	77	85	80	75						
	25	605	0° - 90°	1900.0 100.0	3	79	71	65	78	70	64	75	68	63						
	35	530	90° - 120°	0.0 0.0	4	70	62	55	69	61	54	67	59	54						
	45	436	90° - 130°	0.0 0.0	5	63	54	47	62	53	47	60	52	46						
	55	335	90° - 150°	0.0 0.0	6	57	48	41	56	47	41	54	46	41						
	65	230	90° - 180°	0.0 0.0	7	51	43	36	51	42	36	49	42	36						
75	129	0° - 180°	1900.0 *100.0	8	47	38	33	46	38	32	45	38	32							
85	37	*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						50% beam - 63.5°						10% beam - 108.5°					
	Diameter	FC	Diameter	FC	Diameter	FC	Diameter	FC	Diameter	FC	Diameter	FC	Diameter	FC				
	8.0	22.6	6.8	11.3	15.3	2.3												
	10.0	12.2	9.3	6.1	20.8	1.2												
	12.0	7.6	11.7	3.8	26.4	0.8												
14.0	5.2	14.2	2.6	31.9	0.5													
16.0	3.8	16.7	1.9	37.5	0.4													

WF8 LED 30K40K50K_5000K LED's, input watts 21, delivered lumens: 1839, LM/W=88, test no. ISF 36826P48

	Ave	Lumens	Zone	Lumens	% Lamp	pf pc pw	80%			20%			50%			Initial FC										
							50%			70%			50%			Mounting Height	Center Beam	Diameter	FC	Diameter	FC					
							50%	30%	10%	50%	30%	10%	50%	30%	10%											
	0	663	0° - 30°	512.2	27.8	0	119	119	119	116	116	116	111	111	111	50% beam - 63.5° 10% beam - 108.5°										
	5	662	0° - 40°	832.0	45.2	1	104	99	96	101	98	94	97	94	91											
	15	637	0° - 60°	1446.5	78.7	2	90	84	78	88	82	77	85	80	75											
	25	585	0° - 90°	1839.0	100.0	3	79	71	65	78	70	64	75	68	63											
	35	513	90° - 120°	0.0	0.0	4	70	62	55	69	61	54	67	59	54											
	45	422	90° - 130°	0.0	0.0	5	63	54	47	62	53	47	60	52	46											
	55	324	90° - 150°	0.0	0.0	6	57	48	41	56	47	41	54	46	41											
	65	223	90° - 180°	0.0	0.0	7	51	43	36	51	42	36	49	42	36											
	75	125	0° - 180°	1839.0	*100.0	8	47	38	33	46	38	32	45	38	32											
	85	36	*Efficiency			9	43	35	29	43	35	29	41	34	29											
	90	0				10	40	32	27	39	32	27	38	31	26											

WF4/WF6/WF8 Switchable White 4", 6" or 8" LED Wafer Module

WF8 LED 27K30K35K			
Color Temperature	2700K	3000K	3500K
Lumens	1630	1800	1740
CRI	90	90	90
Rated wattage	20.7	19.8	20.8
Lu/Watts	78.7	90.9	83.7
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	0.17A	0.17A	0.17A

WF8 LED 30K40K50K			
Color Temperature	3000K	4000K	5000K
Lumens	1690	1850	1820
CRI	90	90	90
Rated wattage	20.4	19.6	20.6
Lu/Watts	82.8	94.4	88.3
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	0.17A	0.17A	0.17A

WF4/WF6/WF8 Switchable White 4", 6" or 8" LED Wafer Module

LIGHTING PERFORMANCE DATA

WF4



LIGHTING PERFORMANCE DATA DONNÉES SUR LE RENDEMENT DE L'ÉCLAIRAGE	
Light Appearance (CCT) Aspect de la lumière (CCT)	
2700K soft white blanc doux	
730 lumens 70 lumens per watt	
3000K warm white blanc chaud	
800 lumens 76 lumens per watt	
3500K neutral white blanc neutre	
780 lumens 74 lumens per watt	
Watts	10.5
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)	
3000K warm white blanc chaud	
750 lumens 71 lumens per watt	
4000K cool white blanc froid	
810 lumens 77 lumens per watt	
5000K daylight lumière du jour	
790 lumens 75 lumens per watt	
Watts	10.5
Color Accuracy (CRI) Précision des couleurs (CRI)	90

WF6



LIGHTING PERFORMANCE DATA DONNÉES SUR LE RENDEMENT DE L'ÉCLAIRAGE	
Light Appearance (CCT) Aspect de la lumière (CCT)	
2700K soft white blanc doux	
1070 lumens 76 lumens per watt	
3000K warm white blanc chaud	
1150 lumens 82 lumens per watt	
3500K 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)	
3000K warm white blanc chaud	
1090 lumens 78 lumens per watt	
4000K cool white blanc froid	
1190 lumens 85 lumens per watt	
5000K daylight blanc neutre	
1120 lumens 80 lumens per watt	
Watts	14
Color Accuracy (CRI) Précision des couleurs (CRI)	90

WF8



LIGHTING PERFORMANCE DATA DONNÉES SUR LE RENDEMENT DE L'ÉCLAIRAGE	
Light Appearance (CCT) Aspect de la lumière (CCT)	
2700K soft white blanc doux	
1630 lumens 82 lumens per watt	
3000K warm white blanc chaud	
1800 lumens 90 lumens per watt	
3500K neutral white blanc neutre	
1740 lumens 87 lumens per watt	
Watts	20
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)	
3000K warm white blanc chaud	
1690 lumens 85 lumens per watt	
4000K cool white blanc froid	
1850 lumens 93 lumens per watt	
5000K daylight lumière du jour	
1820 lumens 91 lumens per watt	
Watts	20
Color Accuracy (CRI) Précision des couleurs (CRI)	90