

Catalog Number
Notes
Type

FEATURES & SPECIFICATIONS

INTENDED USE — The 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.

CONSTRUCTION — Aluminum die cast outer frame. Durable, powder coat paint to prevent rust. FT6 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. 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. 8" cut out template is provided to ensure the correct size hole is cut into ceiling for proper installation of the trim. Size of hole should not exceed 8 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 100W incandescent.

LISTINGS — CSA certified to US and Canadian safety standards. Wet location listed. Air Tight certified in accordance with ASTM E283-2004. 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/customer-support/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.

Wafer™ LED Recessed Downlight

WF8 8" LED Switchable White Color Temperature

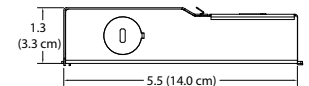
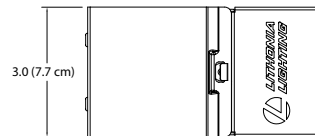
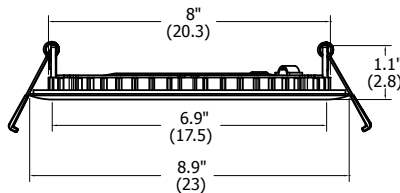
IC/Non-IC
New Construction/Remodel



Specifications

Aperture:	6.9"
Ceiling opening:	8"
Over lamp trim:	8.9"
Height:	1.1"

All dimensions are inches (centimeters) unless otherwise indicated.



ORDERING INFORMATION

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

Example: WF8 LED 30K40K50KT 90CRI MW

WF8 Series	Lamp	CCT/W/Lumens	CRI	Finish
WF8 8" wafer-thin LED downlight	LED LED	27K30K35K 2700K/20W/1630L 3000K/20W/1800L 3500K/20W/1740L	90CRI 90CRI	MW Matte white
		30K40K50K 3000K/20W/1690L 4000K/20W/1850L 5000K/20W/1820L		MB Matte black

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



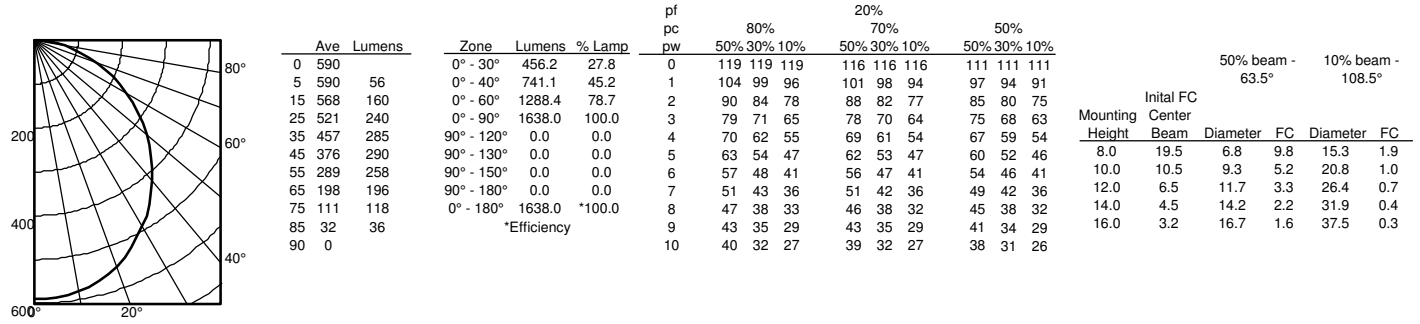
WFEXC6 Cable

WF8 Switchable White 8" LED Wafer Module

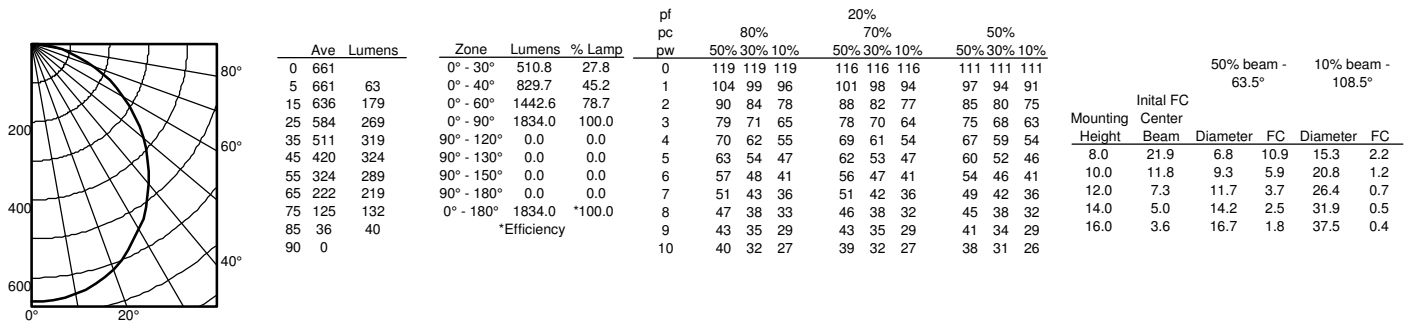
PHOTOMETRICS

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

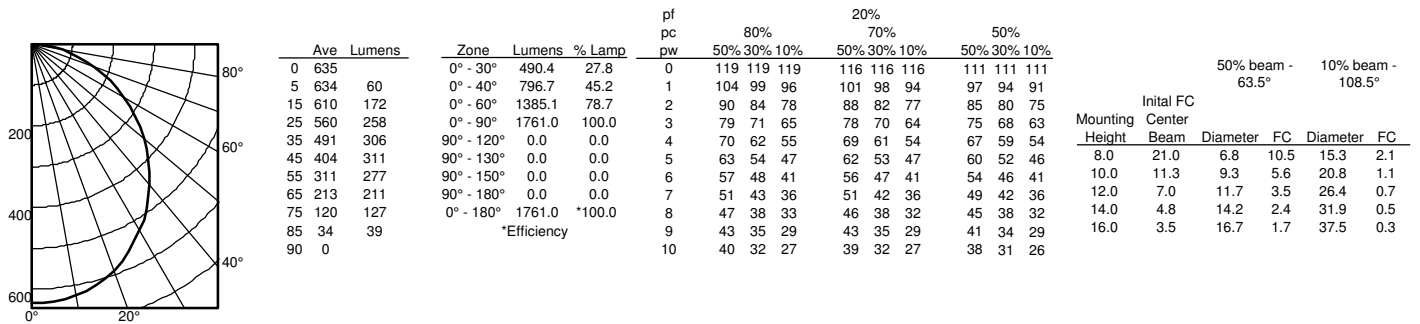
WF8 LED 27K30K35K _ 2700K LED's, input watts: 21, delivered lumens: 1638, LM/W=78, test no. ISF 36826P43



WF8 LED 27K30K35K _ 3000K LED's, input watts: 19, delivered lumens: 1834, LM/W=96, test no. 36826P44



WF8 LED 27K30K35K _ 3500K LED's, input watts 21, delivered lumens: 1761, LM/W=83, test no. 36826P45

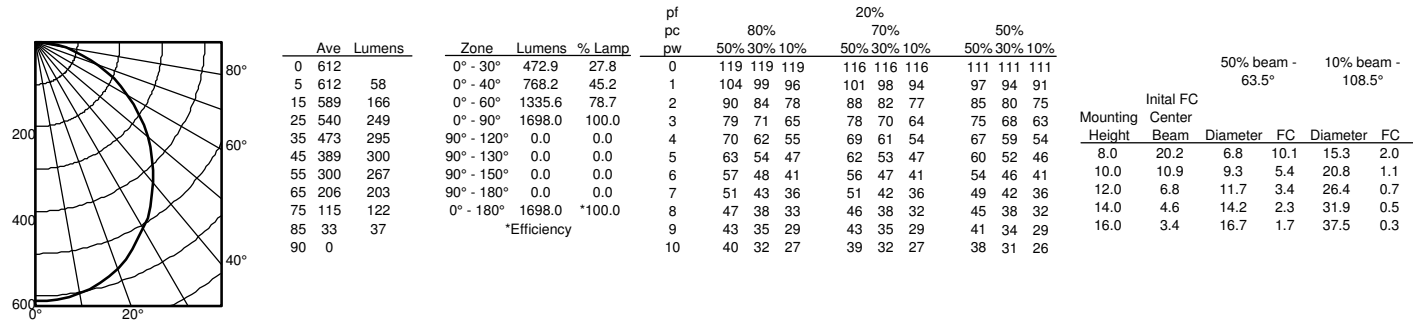


WF8 Switchable White 8" LED Wafer Module

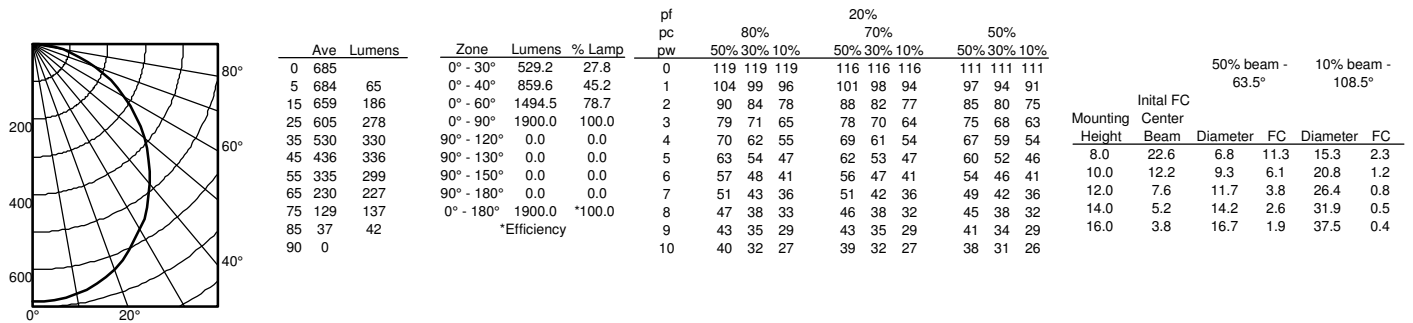
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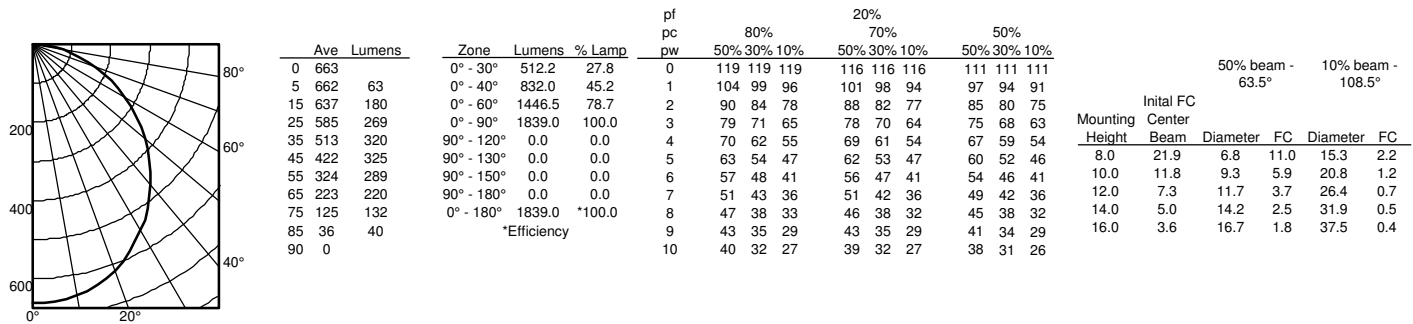
WF8 LED 30K40K50K_3000K LED's, input watts: 20, delivered lumens: 1698, LM/W=85, test no. ISF 36826P46



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



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



WF8 Switchable White 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
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Input frequency	50/60 Hz	50/60 Hz	50/60 Hz
Input power	120V	120V	120V
Input current	0.17A	0.17A	0.17A

LIGHTING PERFORMANCE DATA



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) 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

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) 90

Précision des couleurs (CRI)

Catalog Number
Notes
Type

FEATURES & SPECIFICATIONS

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Wafer™ LED Recessed Downlight

WF8 8" LED Switchable White Color Temperature

IC/Non-IC
New Construction/Remodel



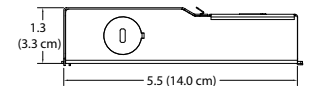
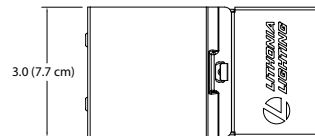
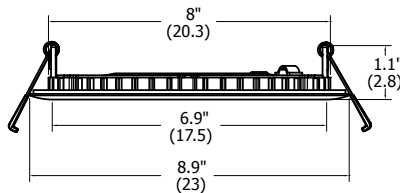
Matte black



Specifications

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		30K40K50K 3000K/20W/1690L 4000K/20W/1850L 5000K/20W/1820L		

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WFEXC20 SW3PIN FT4	3-Pin 20ft Cable



WF8643 Universal New Construction Pan



WFEXC6 Cable

WF8 Switchable White 8" LED Wafer Module

PHOTOMETRICS

Distribution Curve	Distribution Data	Output Data	Coefficient of Utilization	Illuminance Data at 30" Above Floor for a Single Luminaire					
WF8 LED 27K30K35K _ 2700K LED's, input watts: 21, delivered lumens: 1638, LM/W=78, test no. ISF 36826P43									
	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°	
	0 590	0° - 30° 456.2 27.8	0	119 119 119	116 116 116	111 111 111			
	5 590 56	0° - 40° 741.1 45.2	1	104 99 96	101 98 94	97 94 91			
	15 568 160	0° - 60° 1288.4 78.7	2	90 84 78	88 82 77	85 80 75			
	25 521 240	0° - 90° 1638.0 100.0	3	79 71 65	78 70 64	75 68 63			
	35 457 285	90° - 120° 0.0 0.0	4	70 62 55	69 61 54	67 59 54			
	45 376 290	90° - 130° 0.0 0.0	5	63 54 47	62 53 47	60 52 46			
	55 289 258	90° - 150° 0.0 0.0	6	57 48 41	56 47 41	54 46 41			
	65 198 196	90° - 180° 0.0 0.0	7	51 43 36	51 42 36	49 42 36			
	75 111 118	0° - 180° 1638.0 *100.0	8	47 38 33	46 38 32	45 38 32			
	85 32 36	*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
						8.0	19.5	6.8 9.8	15.3 1.9
						10.0	10.5	9.3 5.2	20.8 1.0
						12.0	6.5	11.7 3.3	26.4 0.7
						14.0	4.5	14.2 2.2	31.9 0.4
						16.0	3.2	16.7 1.6	37.5 0.3

WF8 LED 27K30K35K _ 3000K LED's, input watts: 19, delivered lumens: 1834, LM/W=96, test no. 36826P44									
	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°	
	0 661	0° - 30° 510.8 27.8	0	119 119 119	116 116 116	111 111 111			
	5 661 63	0° - 40° 829.7 45.2	1	104 99 96	101 98 94	97 94 91			
	15 636 179	0° - 60° 1442.6 78.7	2	90 84 78	88 82 77	85 80 75			
	25 584 269	0° - 90° 1834.0 100.0	3	79 71 65	78 70 64	75 68 63			
	35 511 319	90° - 120° 0.0 0.0	4	70 62 55	69 61 54	67 59 54			
	45 420 324	90° - 130° 0.0 0.0	5	63 54 47	62 53 47	60 52 46			
	55 324 289	90° - 150° 0.0 0.0	6	57 48 41	56 47 41	54 46 41			
	65 222 219	90° - 180° 0.0 0.0	7	51 43 36	51 42 36	49 42 36			
	75 125 132	0° - 180° 1834.0 *100.0	8	47 38 33	46 38 32	45 38 32			
	85 36 40	*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
						8.0	21.9	6.8 10.9	15.3 2.2
						10.0	11.8	9.3 5.9	20.8 1.2
						12.0	7.3	11.7 3.7	26.4 0.7
						14.0	5.0	14.2 2.5	31.9 0.5
						16.0	3.6	16.7 1.8	37.5 0.4

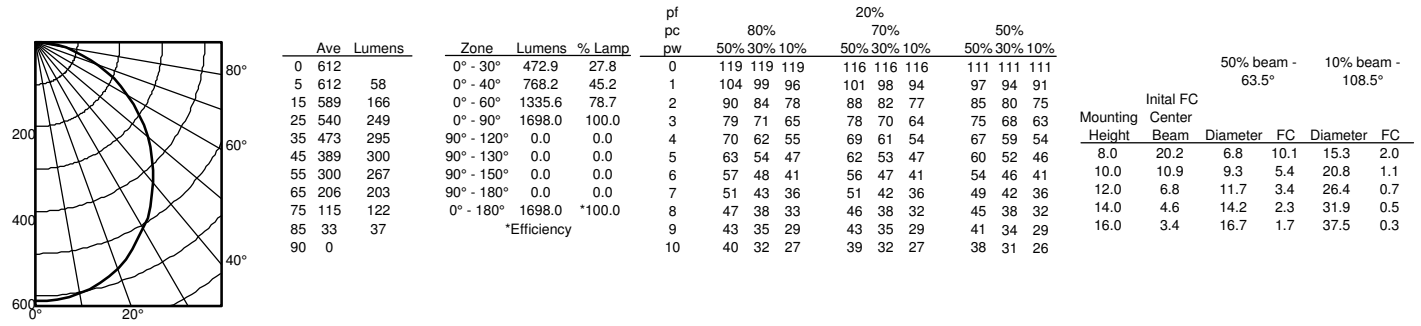
WF8 LED 27K30K35K _ 3500K LED's, input watts 21, delivered lumens: 1761, LM/W=83, test no. 36826P45									
	Ave Lumens	Zone Lumens % Lamp	pf pc pw	80% 50% 30% 10%	20% 50% 30% 10%	50% 50% 30% 10%	50% beam - 63.5°	10% beam - 108.5°	
	0 635	0° - 30° 490.4 27.8	0	119 119 119	116 116 116	111 111 111			
	5 634 60	0° - 40° 796.7 45.2	1	104 99 96	101 98 94	97 94 91			
	15 610 172	0° - 60° 1385.1 78.7	2	90 84 78	88 82 77	85 80 75			
	25 560 258	0° - 90° 1761.0 100.0	3	79 71 65	78 70 64	75 68 63			
	35 491 306	90° - 120° 0.0 0.0	4	70 62 55	69 61 54	67 59 54			
	45 404 311	90° - 130° 0.0 0.0	5	63 54 47	62 53 47	60 52 46			
	55 311 277	90° - 150° 0.0 0.0	6	57 48 41	56 47 41	54 46 41			
	65 213 211	90° - 180° 0.0 0.0	7	51 43 36	51 42 36	49 42 36			
	75 120 127	0° - 180° 1761.0 *100.0	8	47 38 33	46 38 32	45 38 32			
	85 34 39	*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
						8.0	21.0	6.8 10.5	15.3 2.1
						10.0	11.3	9.3 5.6	20.8 1.1
						12.0	7.0	11.7 3.5	26.4 0.7
						14.0	4.8	14.2 2.4	31.9 0.5
						16.0	3.5	16.7 1.7	37.5 0.3

WF8 Switchable White 8" LED Wafer Module

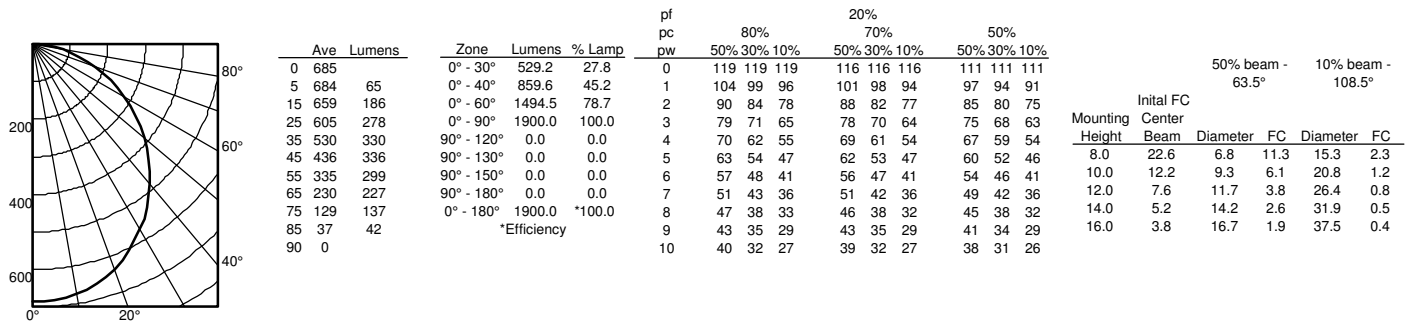
PHOTOMETRICS

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

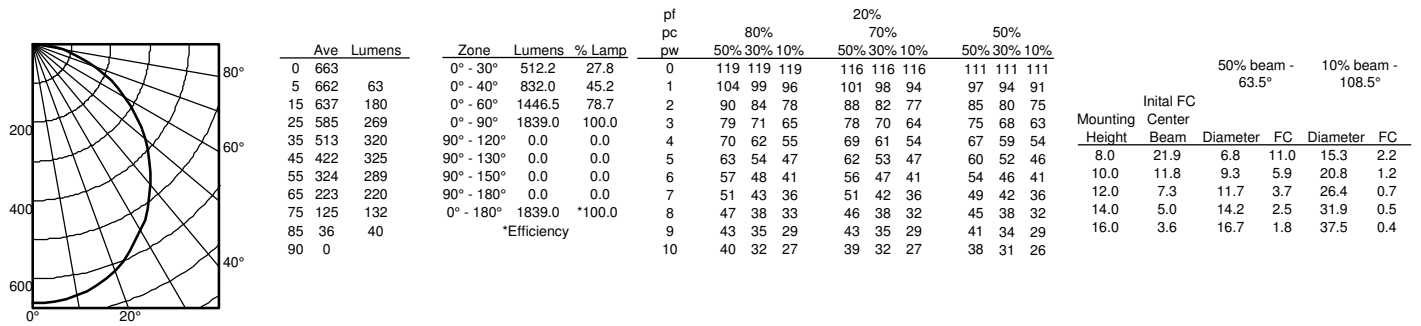
WF8 LED 30K40K50K_3000K LED's, input watts: 20, delivered lumens: 1698, LM/W=85, test no. ISF 36826P46



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



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



WF8 Switchable White 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

LIGHTING PERFORMANCE DATA



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) 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

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) 90

Précision des couleurs (CRI)