

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/CustomResources/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.

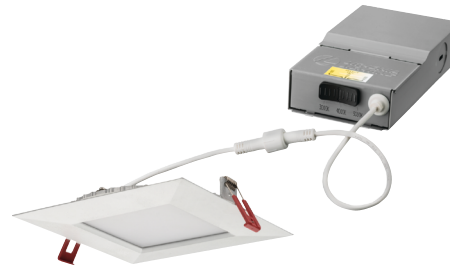
Specifications subject to change without notice.

Wafer LED Recessed Downlight

WF6 Square 6" LED Switchable White Color Temperature

IC/Non-IC

New Construction/Remodel



Matte black



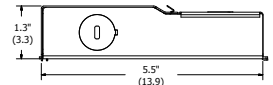
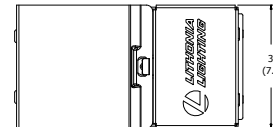
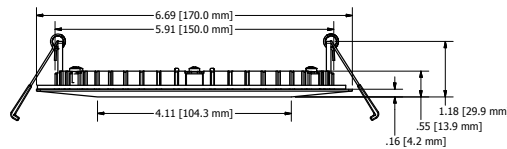
Brushed nickel



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

Accessories: Order as separate catalog number.	
WF8643 Pan U	Universal new construction pan
WFJB U	Remodel joist bar



Notes

1 Total system delivered lumens.

WF6 SQ Switchable White 6" LED Wafer Module

PHOTOMETRICS

Distribution Curve

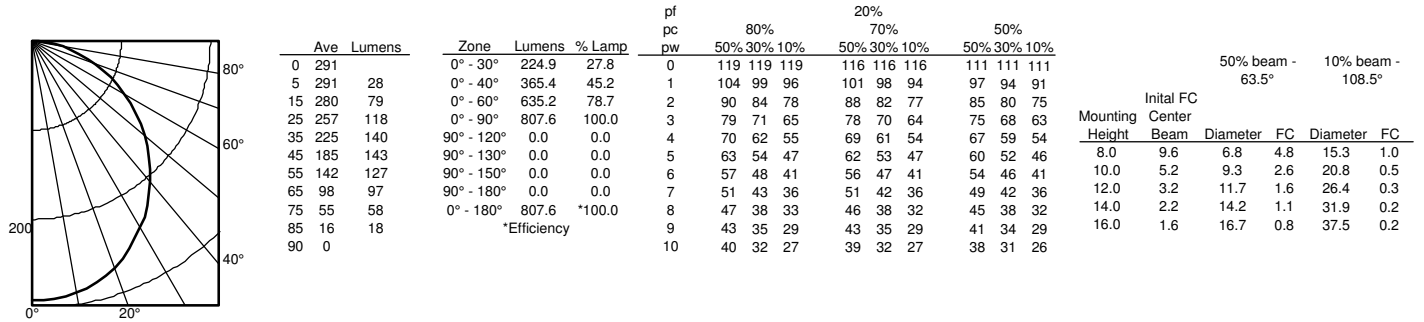
Distribution Data

Output Data

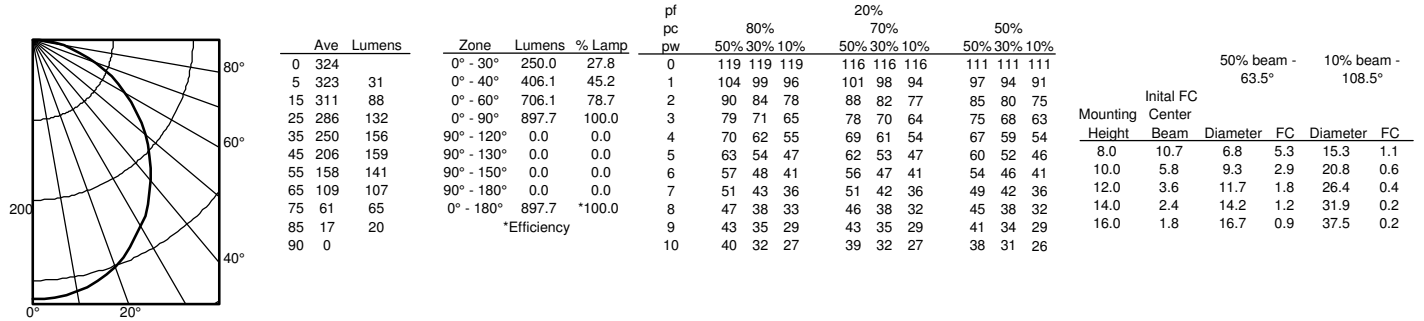
Coefficient of Utilization

Illuminance Data at 30" Above Floor for a Single Luminaire

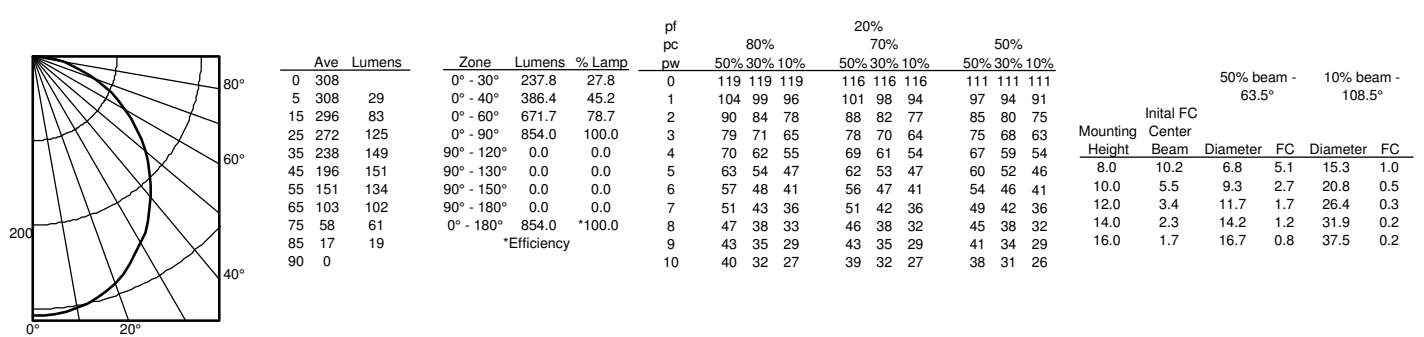
WF6 SQ S LED 27K30K35K _ 2700K LED's, input watts 13, delivered lumens: 808, LM/W=62, Test No. ISF 36826P31



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

Distribution Curve

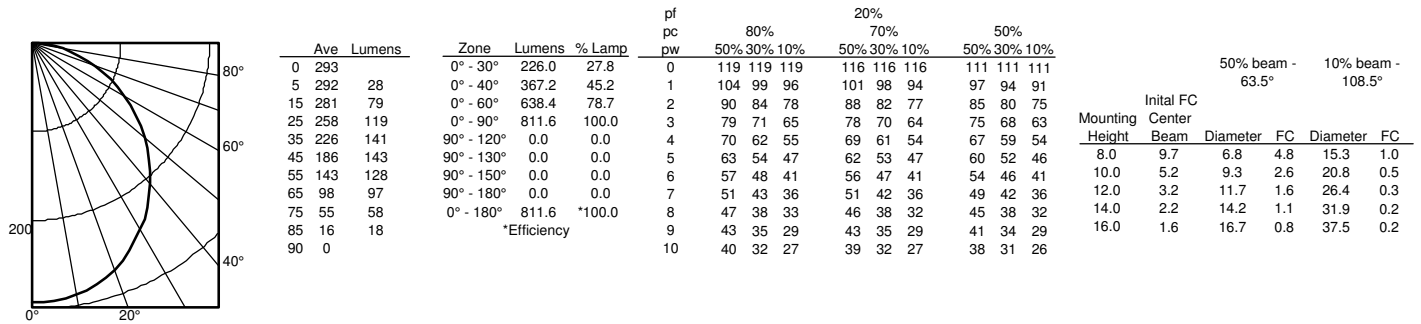
Distribution Data

Output Data

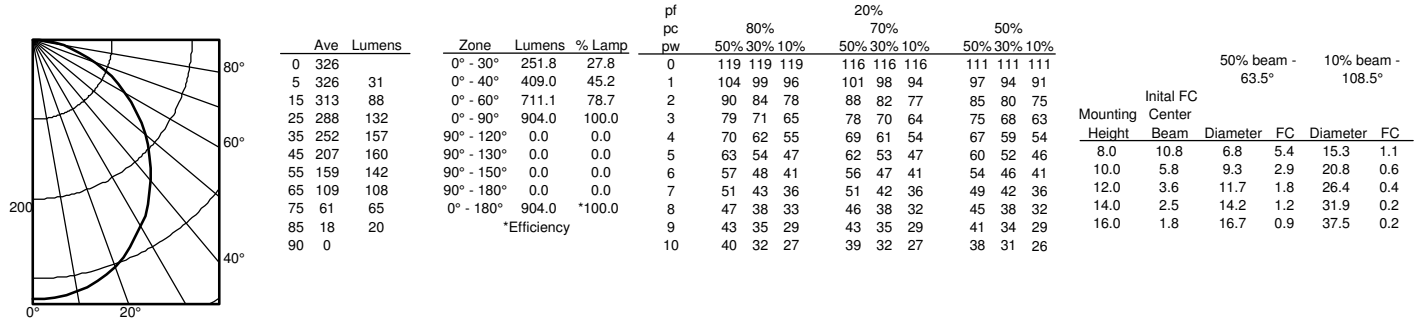
Coefficient of Utilization

Illuminance Data at 30" Above Floor for a Single Luminaire

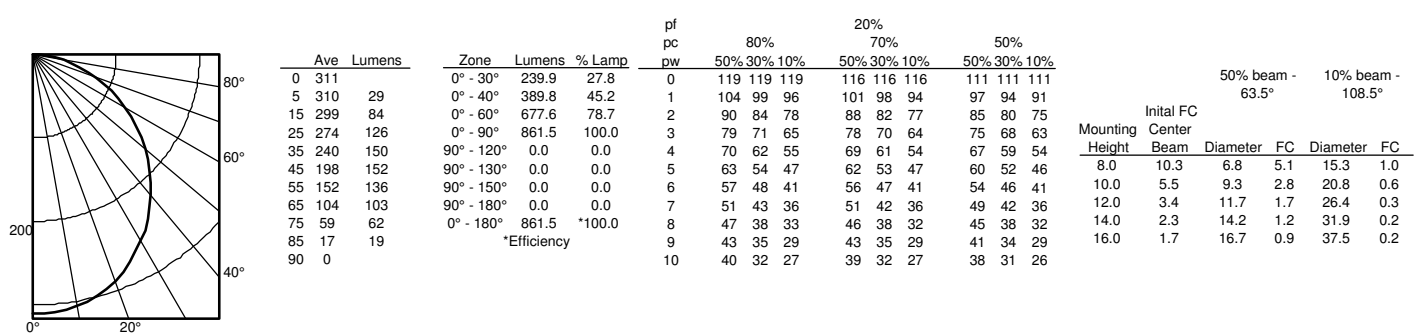
WF6 SQ S LED 30K40K50K _ 3000K LED's, input watts 13, delivered lumens: 811, LM/W=62, Test No. ISF 36826P34



WF6 SQ S LED 30K40K50K _ 4000K LED's, input watts: 12, delivered lumens: 904, LM/W=75, test no. ISF 36826P35



WF6 SQ S LED 30K40K50K _ 5000K LED's, input watts: 13, delivered lumens: 862, LM/W=66, test no. ISF 36826P36



WF6 SQ Switchable White 6" LED Wafer Module

PHOTOMETRICS

Distribution Curve

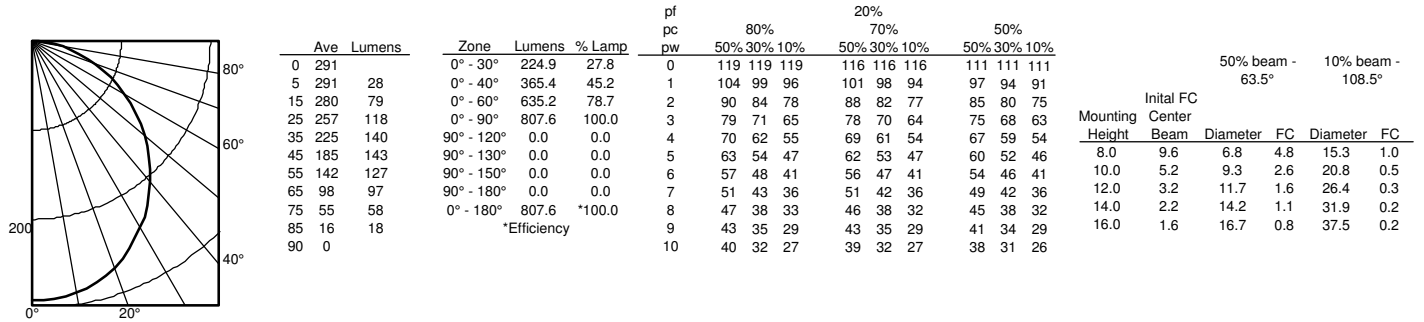
Distribution Data

Output Data

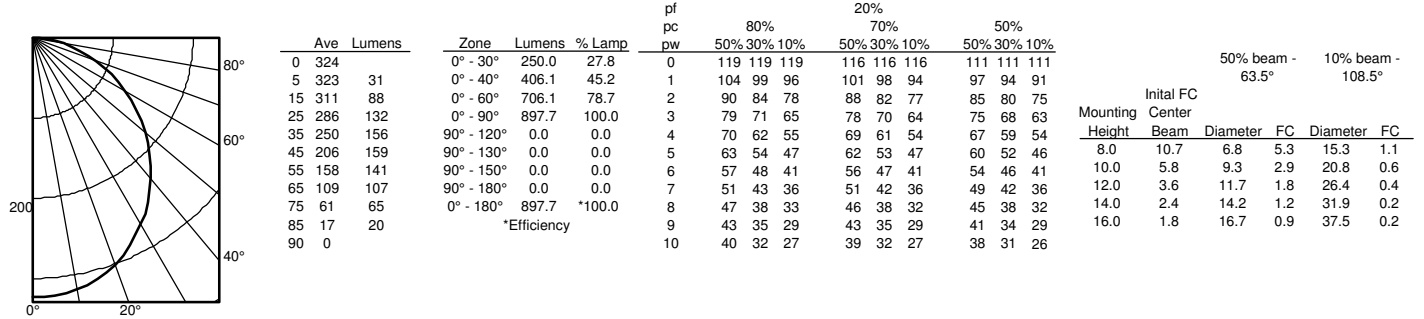
Coefficient of Utilization

Illuminance Data at 30" Above Floor for a Single Luminaire

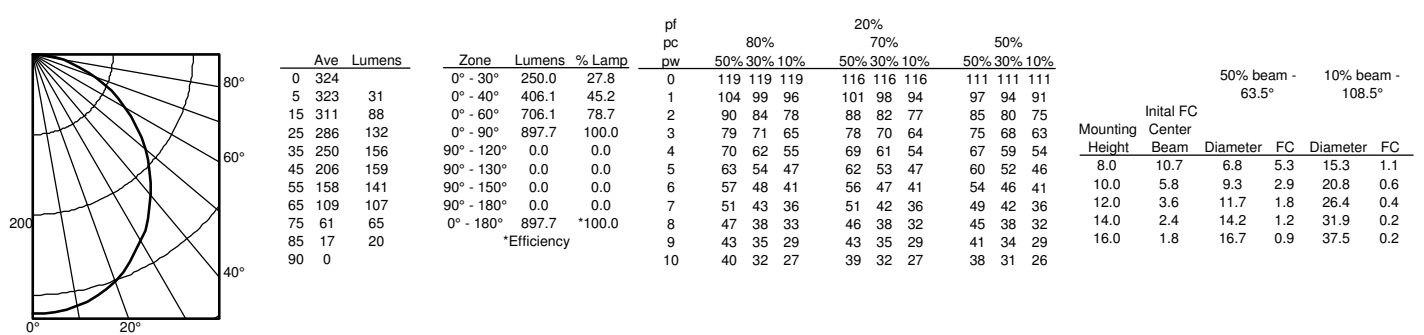
WF6 SQ B LED 27K30K35K _ 2700K LED's, input watts 13, delivered lumens: 807, LM/W=62, Test No. ISF 36826P37



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

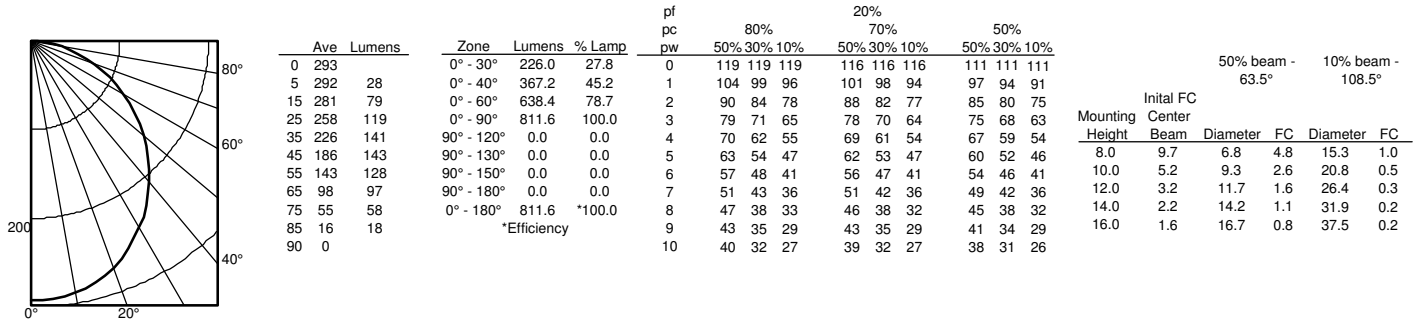


WF6 SQ Switchable White 6" LED Wafer Module

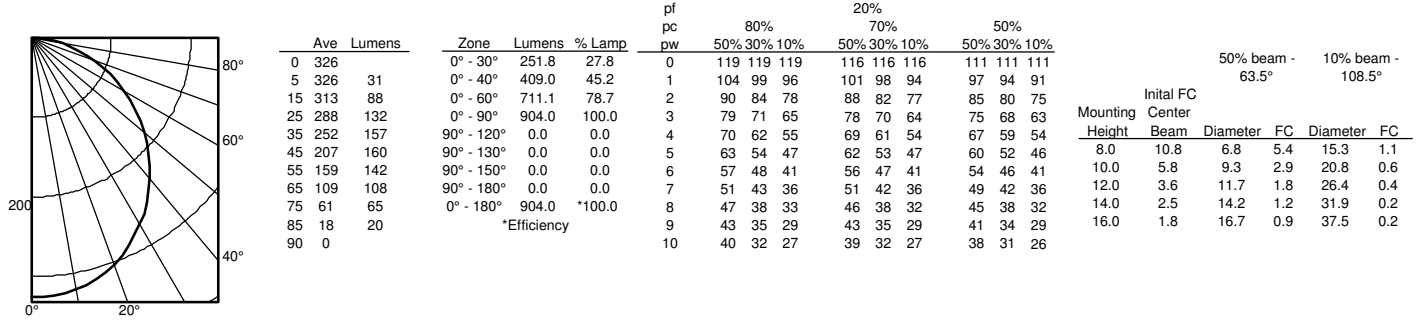
PHOTOMETRICS

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

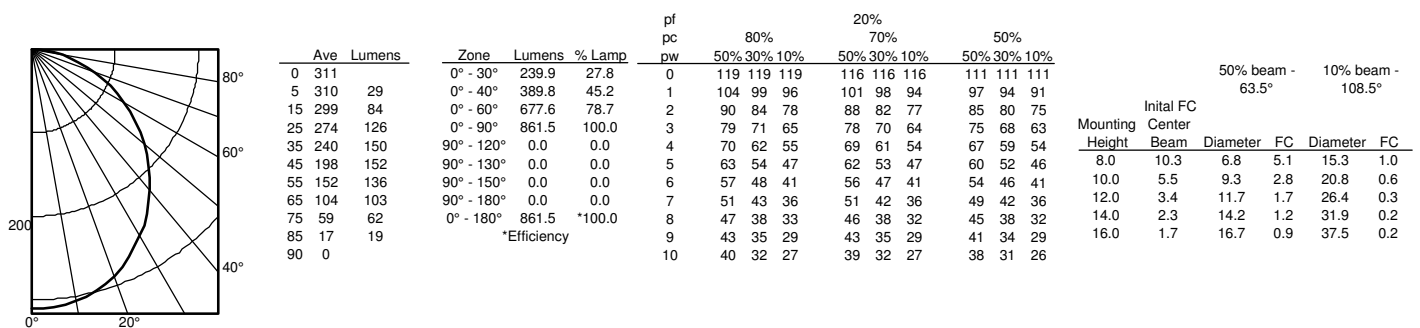
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WF6 SQ B LED 30K40K50K _ 4000K LED's, input watts: 12, delivered lumens: 904, LM/W=75, test no. ISF 36826P41



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)