

Catalog Number
Notes
Type

FEATURES & SPECIFICATIONS

INTENDED USE — The 6" Wafer™ LED recessed downlight with remote driver box combines high quality light output and efficiency while eliminating the pot light housing for competitive affordability. This innovative wafer-slim Type IC design allows easy installation for new construction or remodel from below the ceiling without the requirement of a pot light housing. The LED module maintains at least 70% light output for 35,000 hours. These Wafer™ LED downlights are intended for closets, attics, hallways, bathrooms, kitchens, basements, soffits, entry ways, porches, garages, stairwells, corridors, nursing/retirement homes, condos, elevators, apartments, and any other small areas.

CONSTRUCTION — IC rated driver and fixture - approved for direct contact with insulation. Aluminum die cast outer frame. Durable, powder coat paint to prevent rust. Round fixture with integral edge-lit LED's. Steel spring clip for easy installation. Plenum rated cable connector to connect from module to remote driver box. Isolated driver integrated inside steel remote box with four 7/8" knockouts with slots for pryout. Not suitable for pulling wires.

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.

OPTICS — Edge-lit LED technology uses light guided plate to distribute light. Polycarbonate lens provides even illumination throughout the space. Utilized 2700K, 3000K, 3500K, 4000K and 5000K color temperature LEDs.

ELECTRICAL — Multi-volt (120-277V, 50/60Hz) proprietary remote LED driver/splice box, with two (2) additional low-voltage wires for 0-10V dimming, down to 10% (depending on dimmer model and application). High efficient driver with power factor > 0.9. Ambient operating temperature: -40°F (-40°C) to +104°F (+40°C). Standard input wattage is 13W, 79 lumens per watt.

LISTINGS — CSA certified to Canadian and US Safety Standards. ENERGY STAR® certified product. Certified to the high efficacy requirements of California T24. Wet location. Air Tight certified in accordance with ASTM E283-2004.

WARRANTY — 5-year limited warranty. Complete warranty terms located at:

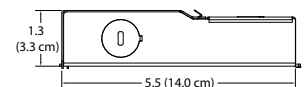
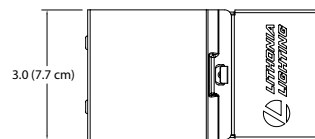
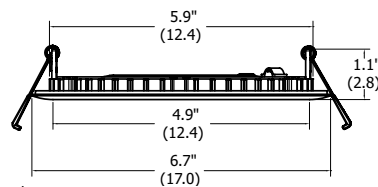
www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx

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.

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.

Wafer™ LED Recessed Downlight

WF6 MVOLT

6" LED Module

IC/Non-IC
New Construction/Remodel



Matte black



Brushed nickel



Oil-rubbed bronze

ORDERING INFORMATION

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

Example: WF6 LED 30K MVOLT MW

WF6				
Series	Lamp	CCT/CRI/W/Lumens ¹	Voltage	Finish ²
WF6 6" Wafer™ LED downlight	LED LED	27K 2700K/80CRI/13.8W/1000L	MVOLT Multi-Volt (120-277V)	MW Matte white
		30K 3000K/80CRI/13W/1020L		MB Matte black
		35K 3500K/80CRI/13.4W/1100L		BN Brushed nickel
		40K 4000K/80CRI/13.6W/1200L		ORB Oil-rubbed bronze
		50K 5000K/80CRI/14.4W/1210L		
	LL LED Low Lumen LED	27K 2700K/80CRI/12.7W/780L		
		30K 3000K/80CRI/12.6W/865L		
		35K 3500K/80CRI/12W/840L		
		40K 4000K/80CRI/12.9W/944L		
		50K 5000K/80CRI/12W/900L		

Accessories: Order as separate catalog number.

WF6 PAN R12	6" new construction pan, retail pack of 12
WFJB U	Remodel joist bar
WFEXC6 U	6' FT4 cable
WFEXC10 U	10' FT4 cable
WFEXC20 U	20' FT4 cable



WF6_Pan



Joist



Extension Cable

Notes

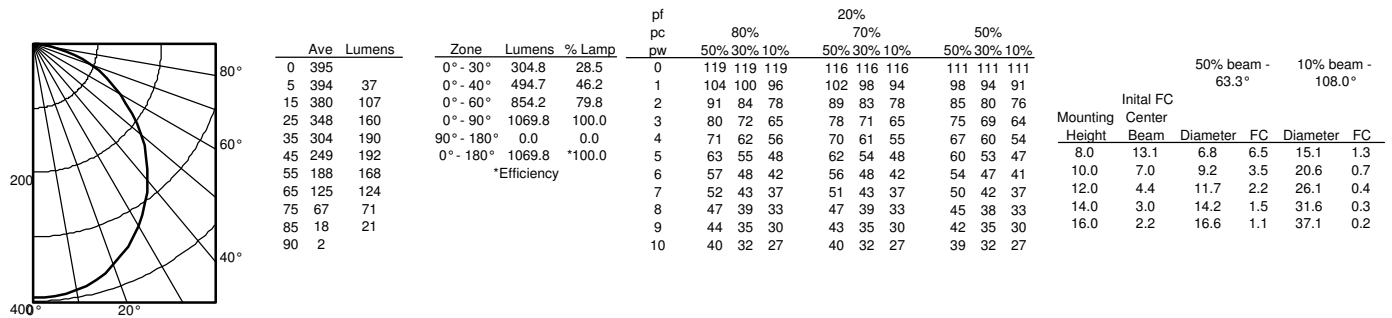
- Total system delivered lumens.
- Only stocked in Matte White finish, enter non-stock order for other color finishes there is a 45 day lead time.

WF6 MVOLT 6" LED Wafer™ Module

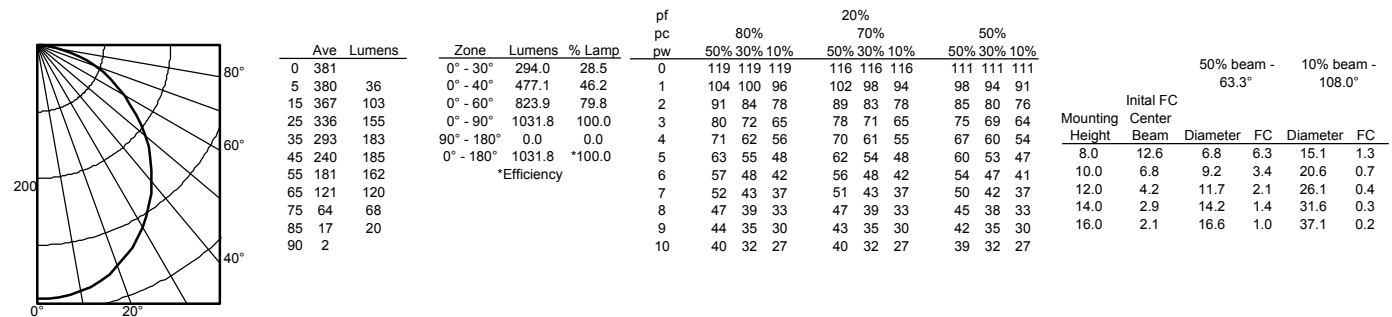
PHOTOMETRICS

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

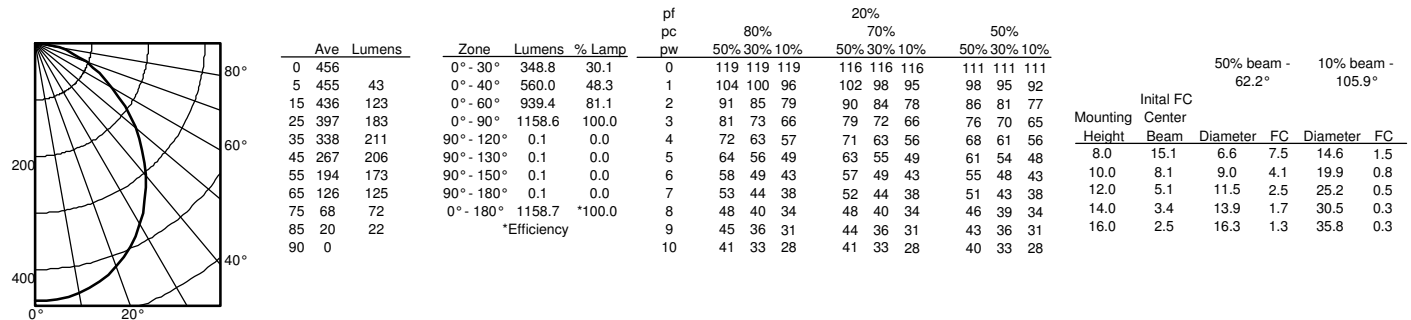
WF6 LED 27K, 2700 K LEDs, input watts: 13.8, delivered lumens: 1069, LM/W=72.5, test no. ISF 30024P2



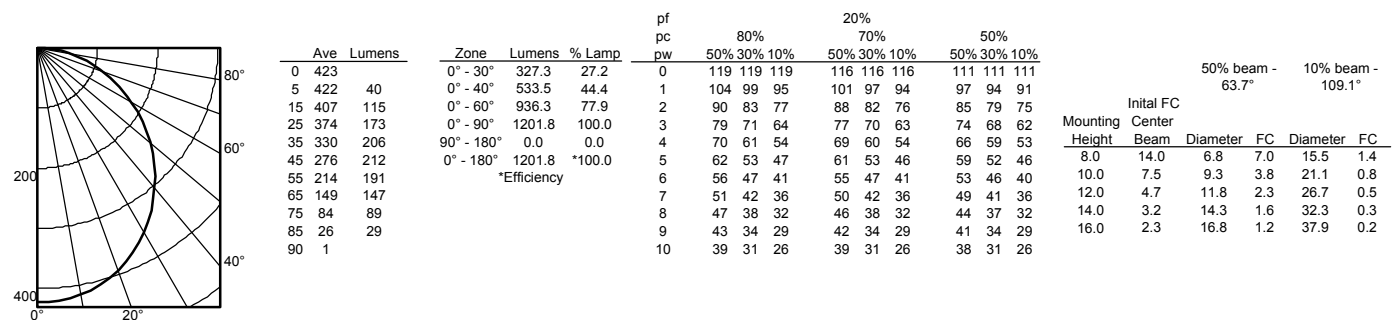
WF6 LED 30K, 3000 K LEDs, input watts: 13, delivered lumens: 1020, LM/W=78.5, test no. ISF 30024



WF6 LED 35K, 3500 K LEDs, input watts: 13.4, delivered lumens: 1158, LM/W=82.1, test no. ISF 35161

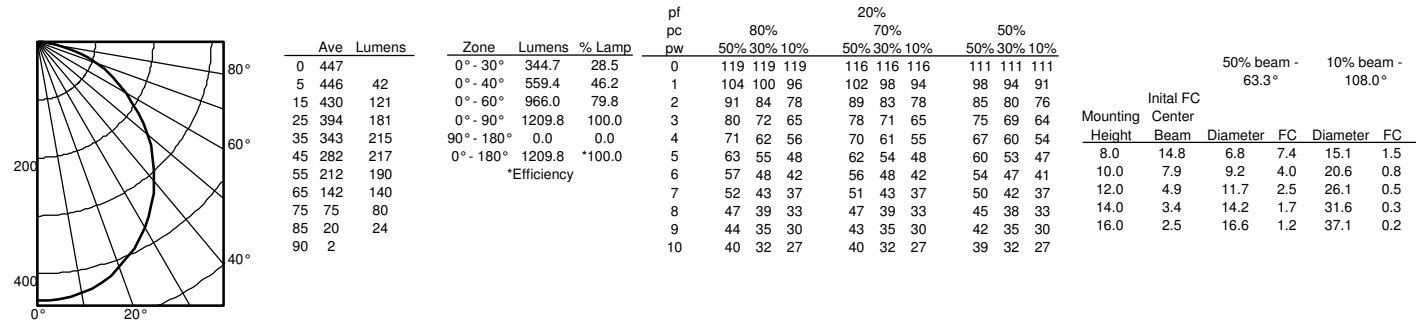


WF6 LED 40K, 4000 K LEDs, input watts: 13.6, delivered lumens: 1200, LM/W=88.2, test no. ISF 30376

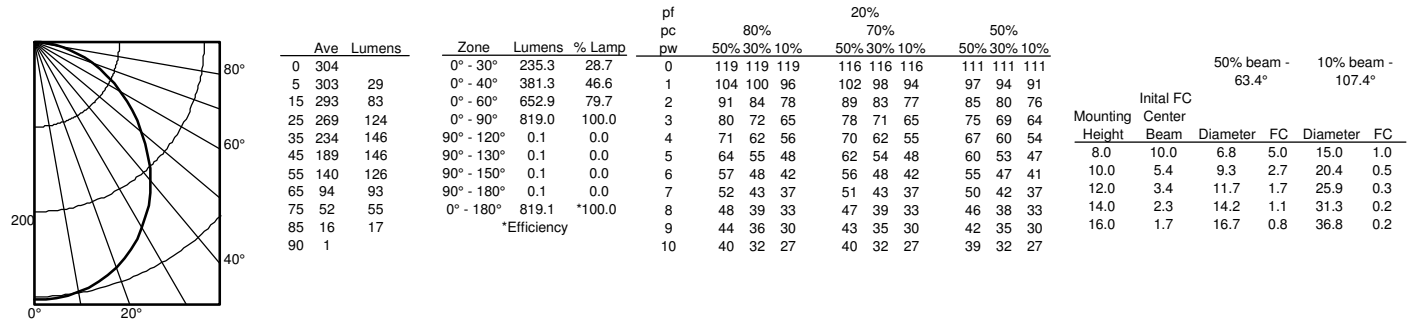


WF6 MVOLT 6" LED Wafer™ Module

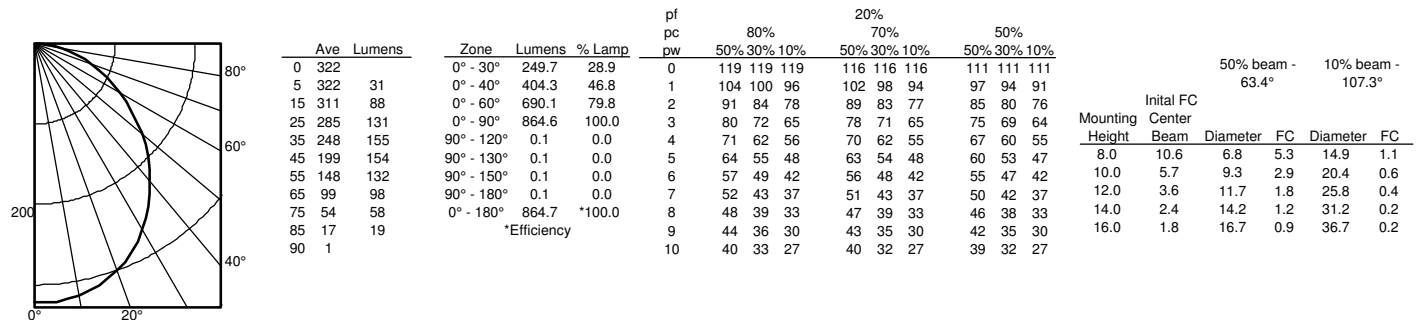
WF6 LED 50K, 5000 K LEDs, input watts: 14.4, delivered lumens: 1209, LM/W=84.0, test no. ISF 30024P3



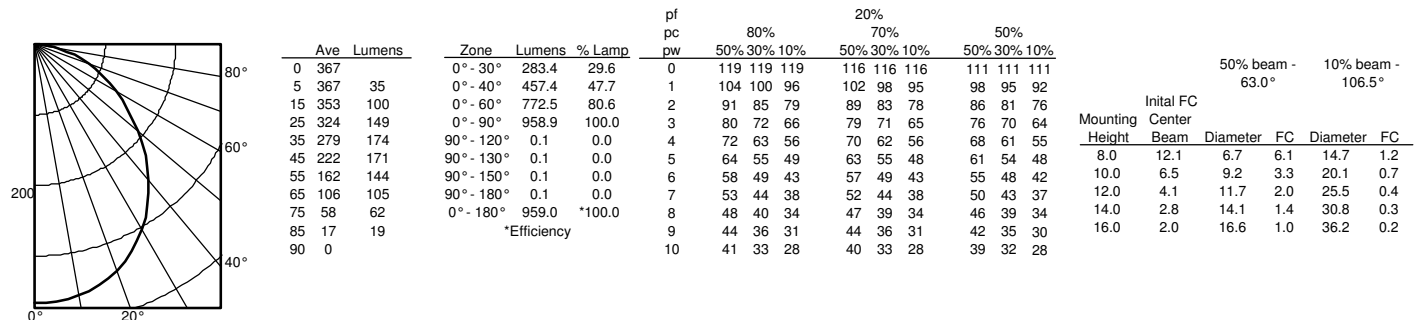
WF6 LL LED 27K, 2700 K LEDs, input watts: 12.7, delivered lumens: 819, LM/W=64.4, test no. ISF 32780P1



WF6 LL LED 30K, 3000 K LEDs, input watts: 12.6, delivered lumens: 865, LM/W=68.7, test no. ISF 32781

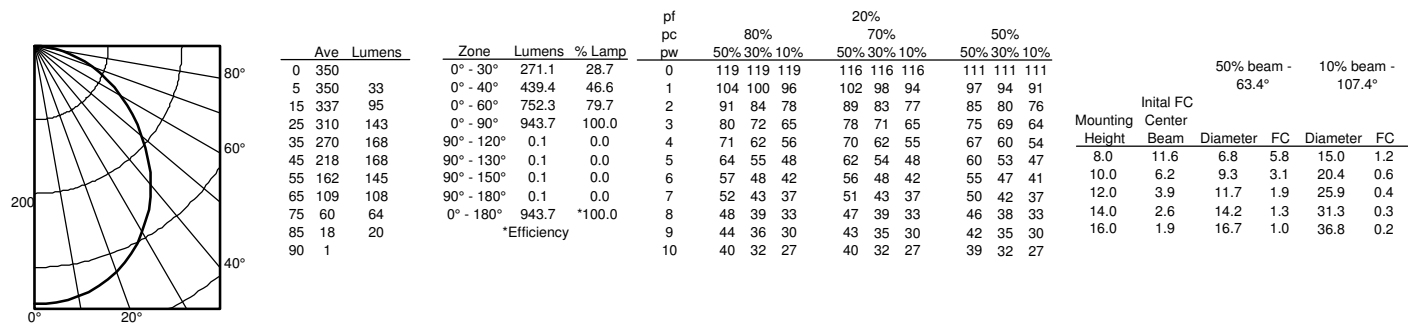


WF6 LL LED 35K, 3500 K LEDs, input watts: 12, delivered lumens: 959, LM/W=70.0, test no. ISF 35160

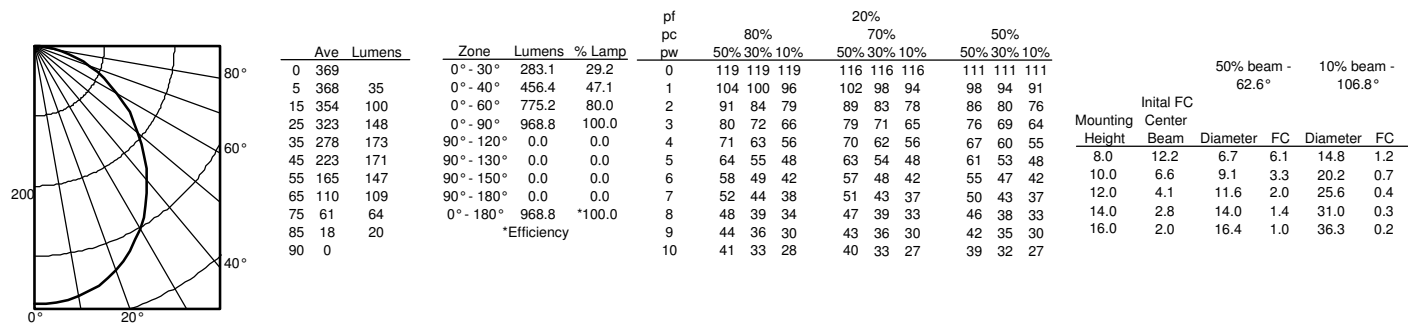


WF6 MVOLT 6" LED Wafer™ Module

WF6 LL LED 40K, 4000 K LEDs, input watts: 12.9, delivered lumens: 944, LM/W=73.2, test no. ISF 32780



WF6 LL LED 50K, 5000 K LEDs, input watts: 12, delivered lumens: 968, LM/W=75.0, test no. ISF 35159



WF6 MVOLT 6" LED Wafer™ Module

6" ENERGY DATA					
Color Temperature	2700K	3000K	3500K	4000K	5000K
Lumens	1000	1020	1100	1200	1210
CRI	80	80	80	80	80
Lumens/Watt	72.5	78.5	82	88.2	84
Min. starting temperature	-40°C (-40°F)	-40°C (-40°F)	-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	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	Class A Standards	Class A Standards
Input voltage	120V-277V	120V-277V	120V-277V	120V-277V	120V-277V
Min. power factor	.99	.99	.99	.99	.99
Input frequency	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz
Rated wattage	13.8W	13W	13.4W	13.6W	14.4W
Input power	13.8W	13W	13.4W	13.6W	14.4W
Input current	0.12A	0.11A	0.12A	0.11A	0.12A

6" LOW LUMEN ENERGY DATA					
Color Temperature	2700K	3000K	3500K	4000K	5000K
Lumens	780	800	840	850	900
CRI	80	80	80	80	80
Lumens/Watt	61.3	63.5	70	65.9	75
Min. starting temperature	-40°C (-40°F)	-40°C (-40°F)	-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	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	Class A Standards	Class A Standards
Input voltage	120V-277V	120V-277V	120V-277V	120V-277V	120V-277V
Min. power factor	0.99	0.99	.99	0.99	0.99
Input frequency	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz
Rated wattage	12.7W	12.6W	12W	12.9W	12W
Input power	12.7W	12.6W	12W	12.9W	12W
Input current	0.11A	0.11A	0.10A	0.11A	0.10A