

Catalog Number
Notes
Type

FEATURES & SPECIFICATIONS

INTENDED USE — The 8" Wafer™ LED square recessed downlight with remote driver box combines high quality light output and efficiency while eliminating the 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 housing. The LED module maintains at least 70% light output for 50,000 hours. These Wafer LED downlights are intended for basements, soffits, entryways, stairwells, corridors, hospitals, multi-family, and commercial projects.

CONSTRUCTION — IC rated driver and fixture - approved for direct contact with insulation. Aluminum die cast outer frame. Durable, powder coat paint to prevent rust. Square 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. Suitable for pulling wires with the 12 cubic-inch wiring compartment to accommodate up to (8) 14 gauge insulated conductors, or (6) 12 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 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. Utilized 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). Replaces 100W incandescent.

LISTINGS — CSA certified to US and Canadian safety standards. ENERGY STAR® certified product. 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. 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.

Wafer™ LED Recessed Downlight

WF8 Square MVOLT 8" LED Module

IC/Non-IC
New Construction/Remodel



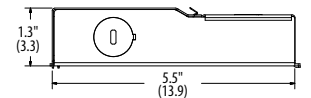
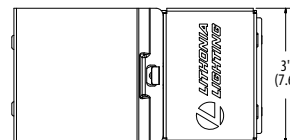
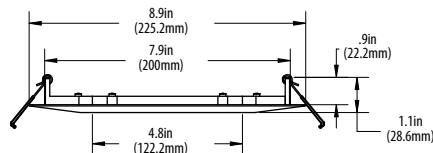
Matte black



Satin nickel

Specifications

Aperture:	4.8"
Ceiling Opening:	8"
Overlap 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 SQ B LED 30K MVOLT 90CRI MW

Series	LED Lamp	CCT/W/Lumens ¹	Voltage	CRI	Finish
WF8 SQ B 8" wafer-thin square LED downlight, baffle trim	LED LED	30K 3000K/17.9W/1475L	MVOLT Multi-Volt (120V-277V)	90CRI 90CRI	MW Matte White MB Matte Black SN Satin Nickel
		35K 3500K/18.4W/1490L			
		40K 4000K/18.4W/1500L			
		50K 5000K/18.3W/1520L			

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



WF8643 Universal New Construction Pan



Remodel Joist Bar

Notes

1 Total system delivered lumens.

WF8 SQ MVOLT 8" LED Wafer Module

PHOTOMETRICS

Distribution Curve

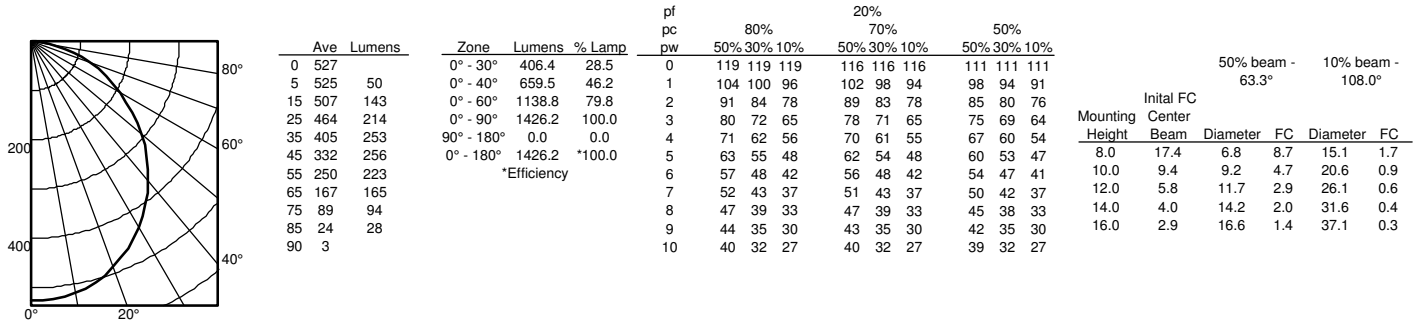
Distribution Data

Output Data

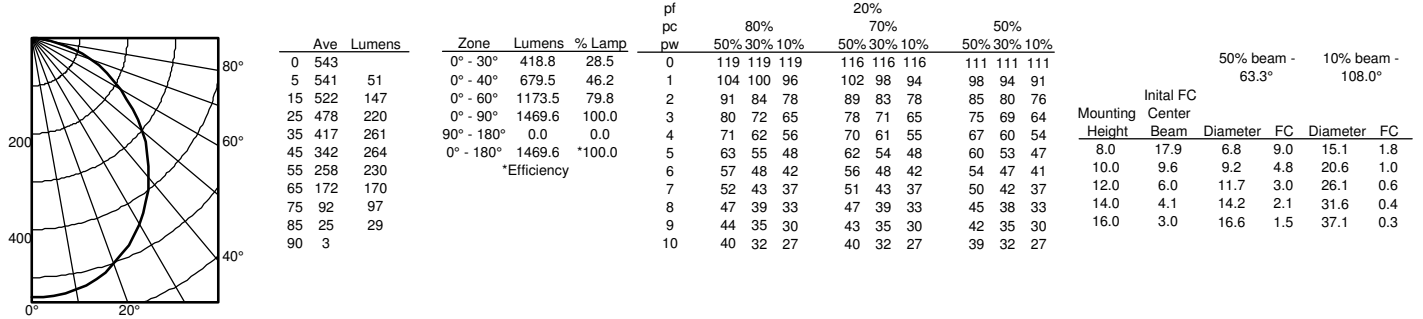
Coefficient of Utilization

Illuminance Data at 30" Above Floor for a Single Luminaire

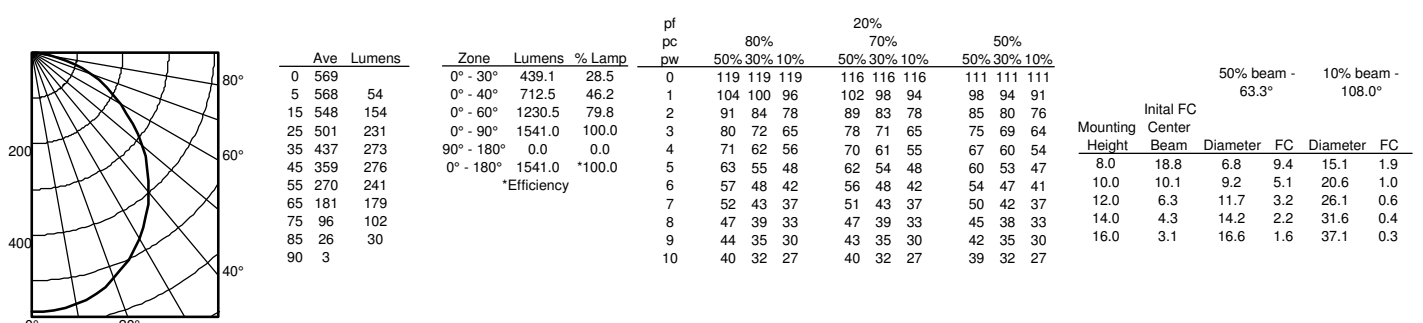
WF8 SQ B LED 30K, 3000K LEDs, input watts 17.93, delivered lumens: 1426, LM/W=79.53, Test No. ISF30024P509



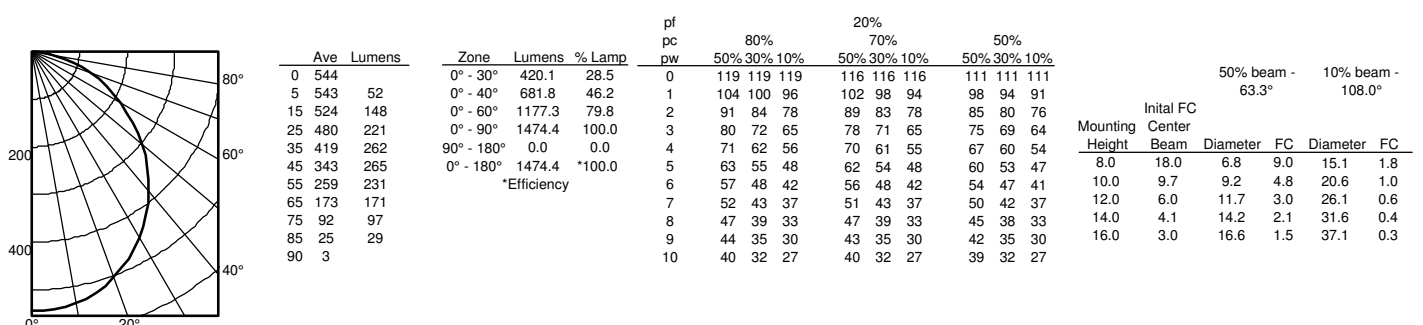
WF8 SQ B LED 35K, 3500K LEDs, input watts: 18.38, delivered lumens: 1469.4, LM/W=79.94, test no. ISF300245P510



WF8 SQ B LED 40K, 4000K LEDs, input watts: 18.42, delivered lumens: 1540.7, test no. ISF30024P511



WF8 SQ B LED 50K, 5000K LEDs, input watts:18.3, delivered lumens 1474.2, LM/W=80.55, test no. ISF30024P512



WF8 SQ MVOLT 8" LED Wafer Module

8" SQUARE ENERGY DATA				
Lumens	1475	1490	1500	1520
Color Temperature	3000K	3500K	4000K	5000K
CRI	90	90	90	90
Lu/Watts	82.4	81	81.5	83.1
Min. starting temp	-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
Sound rating	Class A Standards	Class A Standards	Class A Standards	Class A Standards
Input voltage	120 - 277V	120 - 277V	120 - 277V	120 - 277V
Min. power factor	0.99	0.99	0.99	0.99
Input frequency	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz
Rated wattage	17.9W	18.4W	18.4W	18.3W
Input power	17.9W	18.4W	18.4W	18.3W
Input current	0.15A	0.15A	0.15A	0.15A