

Catalog Number
Notes
Type

FEATURES & SPECIFICATIONS

INTENDED USE — The 6" 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 36,000 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. 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. 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 — Wafer-Thin downlight edge-lit LED technology uses light guided plate to distribute light. Polycarbonate lens provides even illumination throughout the space. 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). 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). Standard input wattage is 13W, 65 lumens per watt. Replaces 75W 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.

WARRANTY — 5-year limited warranty. 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.

Wafer™ LED Recessed Downlight

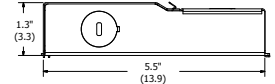
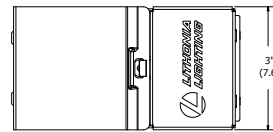
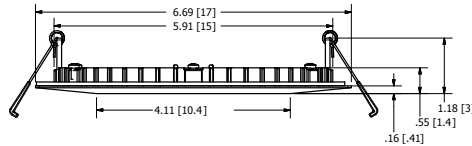
WF6 Square MVOLT 6" LED Module

IC/Non-IC
New Construction/Remodel



Specifications

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



All dimensions are in inches (centimeters) unless otherwise indicated.

ORDERING INFORMATION

Example: WF6 SQ B LED 30K MVOLT MW

Series	LED		Voltage	Finish
	Lamp	CCT/CRI/W/Lumens ¹		
WF6 SQ B	6" wafer-thin square LED downlight, baffle trim	LED LED	MVOLT Multi-Volt (120V-277V)	MW Matte White
WF6 SQ S	6" wafer-thin square LED downlight, smooth trim			
		27K² 2700K/80CRI/13.9W/860L		
		30K² 3000K/80CRI/13.4W/880L		
		35K 3500K/80CRI/13.2W/900L		
		40K³ 4000K/80CRI/13.9W/920L		

Notes

- Total system delivered lumens.
- Only available in B.
- Only available in S.

Accessories: Order as separate catalog number.

WF8643 PAN U	Universal New Construction Pan
WFJB U	Remodel joist bar
WFEXC6 U	6' FT4 cable
WFEXC10 U	10' FT4 cable
WFEXC20 U	20' FT4 cable



WF8643



Remodel Joist Bar



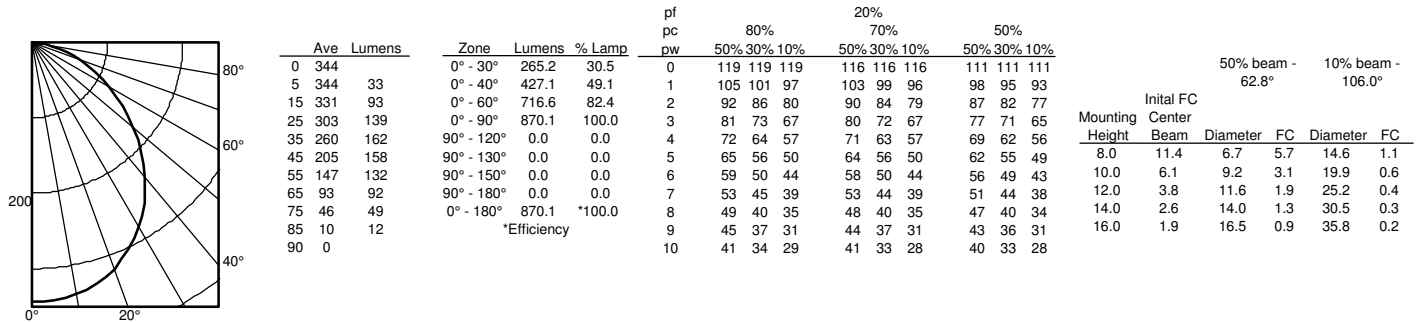
Extension Cable

WF6 SQ MVOLT 6" LED Wafer™ Module

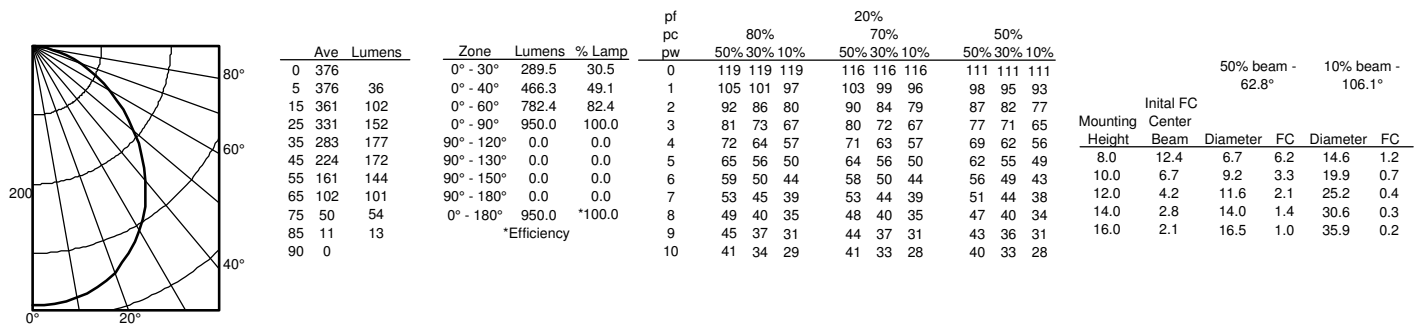
PHOTOMETRICS

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

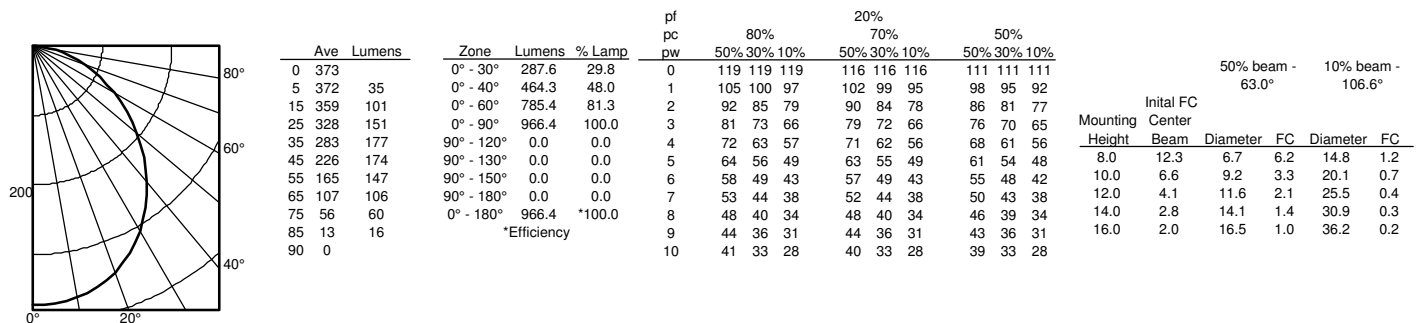
WF6 SQ S LED 27K, 2700K LEDs, input watts: 13.62, delivered lumens: 870, LM/W=63.8, test no. ISF 33169P1



WF6 SQ S LED 30K, 3000K LEDs, input watts: 13.86, delivered lumens: 950, LM/W=68.5, test no. ISF 33169P2



WF6 SQ S LED 35K, 3500K LEDs, input watts: 13.2, delivered lumens: 966, LM/W=73, test no. ISF 35158P2

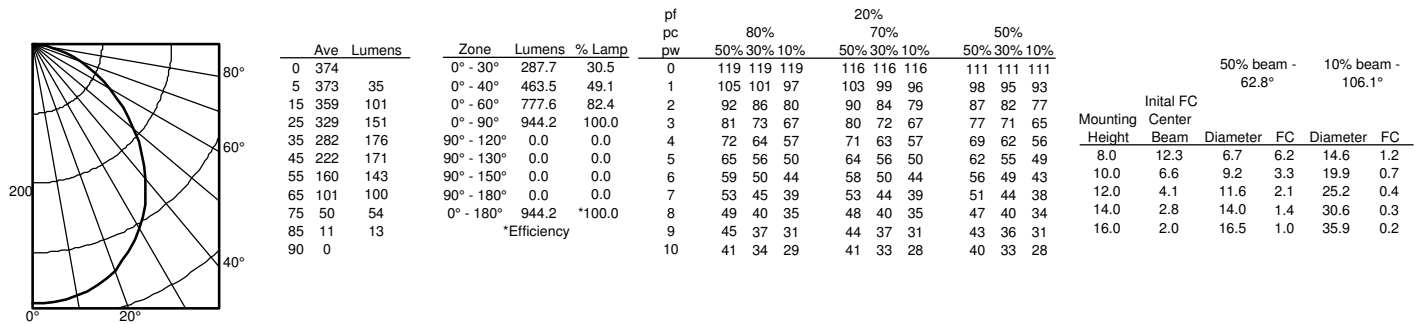


WF6 SQ MVOLT 6" LED Wafer™ Module

PHOTOMETRICS

Distribution Curve	Distribution Data	Output Data	Coefficient of Utilization	Illuminance Data at 30" Above Floor for a Single Luminaire
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WF6 SQ S LED 40K, 4000K LEDs, input watts: 13.7, delivered lumens: 944, LM/W=68.9, test no. ISF 33169P3

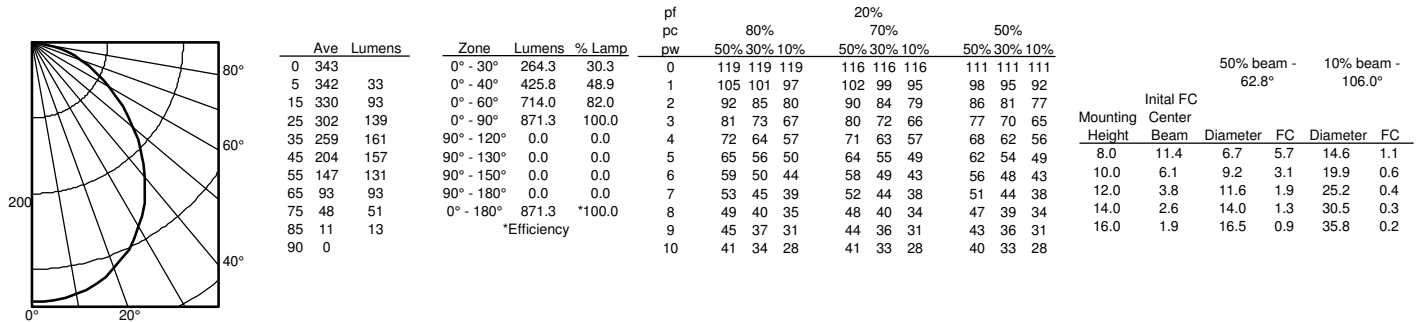


WF6 SQ MVOLT 6" LED Wafer™ Module

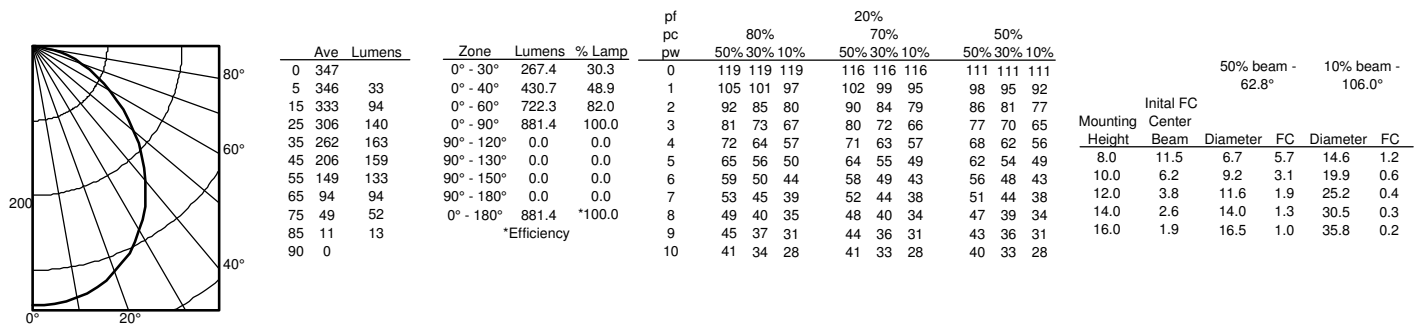
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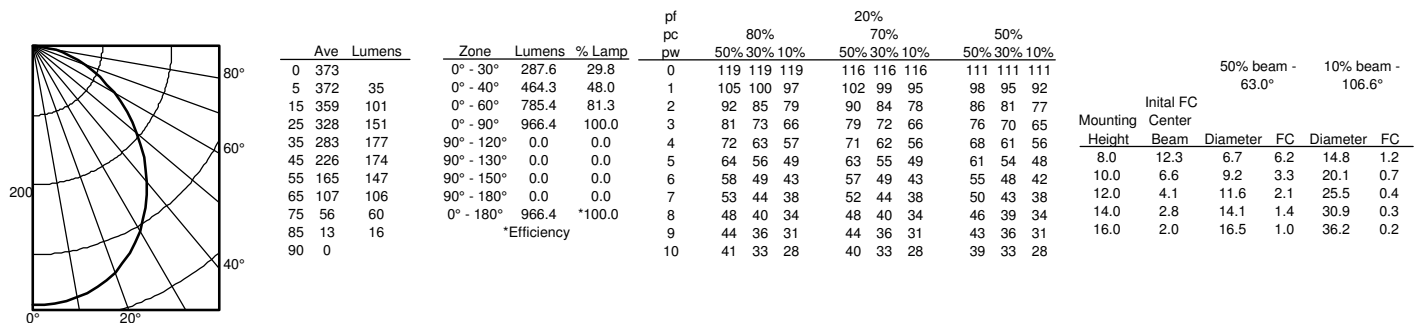
WF6 SQ B LED 27K, 2700K LEDs, input watts: 14.3, delivered lumens: 895, LM/W=62.5, test no. ISF 33186



WF6 SQ B LED 30K, 3000K LEDs, input watts: 13.42, delivered lumens: 881, LM/W=65.6, test no. ISF 33186P2



WF6 SQ B LED 35K, 3500K LEDs, input watts: 13.2, delivered lumens: 966, LM/W=73, test no. ISF 35158

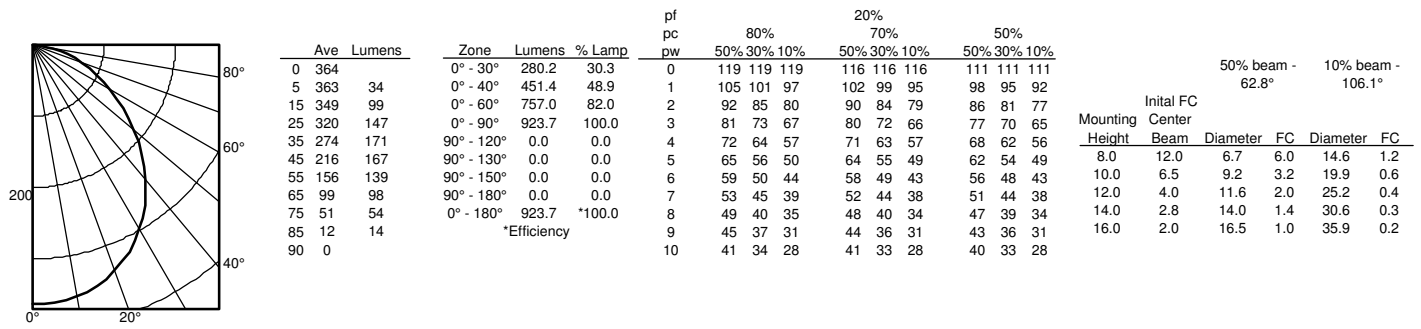


WF6 SQ MVOLT 6" LED Wafer™ Module

PHOTOMETRICS

Distribution Curve	Distribution Data	Output Data	Coefficient of Utilization	Illuminance Data at 30" Above Floor for a Single Luminaire
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WF6 SQ B LED 40K, 4000K LEDs, input watts: 13.9, delivered lumens: 923, LM/W=66.4, test no. ISF 33186P3



WF6 SQ MVOLT 6" LED Wafer™ Module

ENERGY DATA & DIMMING CAPABILITY

6" SQUARE ENERGY DATA				
Lumens	860	880	900	920
Color Temperature	2700K	3000K	3500K	4000K
CRI	80	80	80	80
Lu/Watts	61.9	65.6	68.2	66.1
Min. starting temp	-40°C (-40°F)			
EMI/RFI	FCC Title 47 CFR, Part 15, Class B			
Sound rating	Class A Standards			
Input voltage	120V-277V			
Min. power factor	0.99			
Input frequency	50/60HZ			
Rated wattage	13.9W	13.4W	13.2W	13.9W
Input power	13.9W	13.4W	13.2W	13.9W
Input current	0.11A	0.11A	0.11A	0.11A