

Catalog Number
Notes
Type

FEATURES & SPECIFICATIONS

INTENDED USE — The 6" Wafer-Thin LED square 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 36,000 hours. These LED Wafer 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 — Ideal for shallow ceiling plenum since a pot light housing is NOT required. 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.

PATENT PENDING.

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. Utilized 2700K, 3000K, 3500K, 4000K, and 5000K color temperature LEDs.

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% (See page 4 for recommended dimmers). 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/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 WF6 Square 6" LED Module

IC/Non-IC
New Construction/Remodel



Matte black



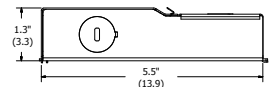
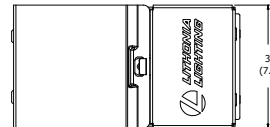
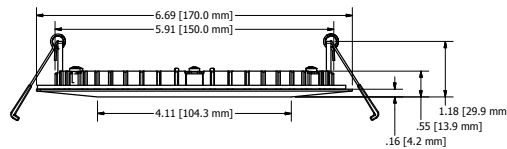
Brushed nickel



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 30K MW

Series	LED		CCT/CRI/W/Lumens ¹		Finish	
	Lamp	LED				
WF6 SQ B	6" wafer-thin square LED downlight, baffle trim		27K	2700K/80CRI/13.9W/860L	MW	Matte White
WF6 SQ S	6" wafer-thin square LED downlight, smooth trim		30K	3000K/80CRI/13.4W/880L	MB	Matte Black
			35K²	3500K/80CRI/13.2W/900L	BN	Brushed Nickel
			40K	4000K/80CRI/13.9W/920L	ORB	Oil-Rubbed Bronze
			50K²	5000K/80CRI/14W/980L		

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



Remodel Joist Bar



Extension Cable

Notes

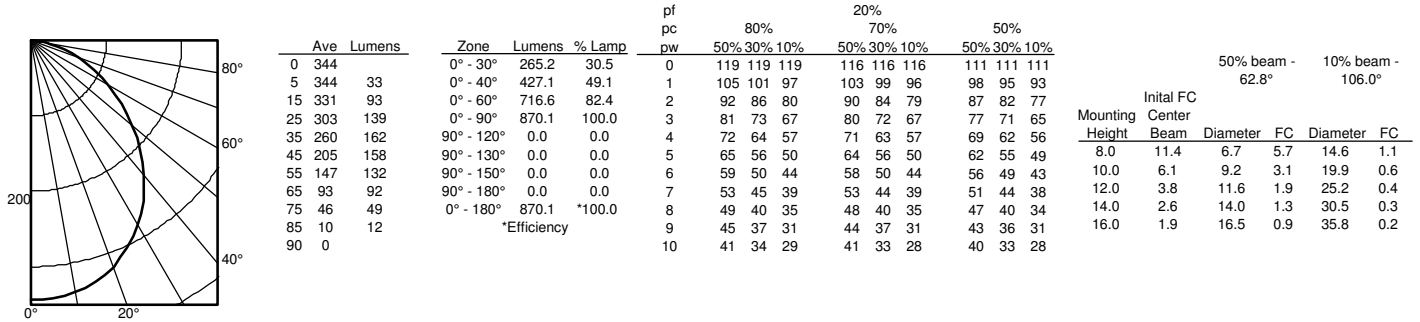
- Total system delivered lumens.
- Only stocked in Matte White finish, enter non-stock order for other color finishes.

WF6 SQ 6" LED Wafer Module

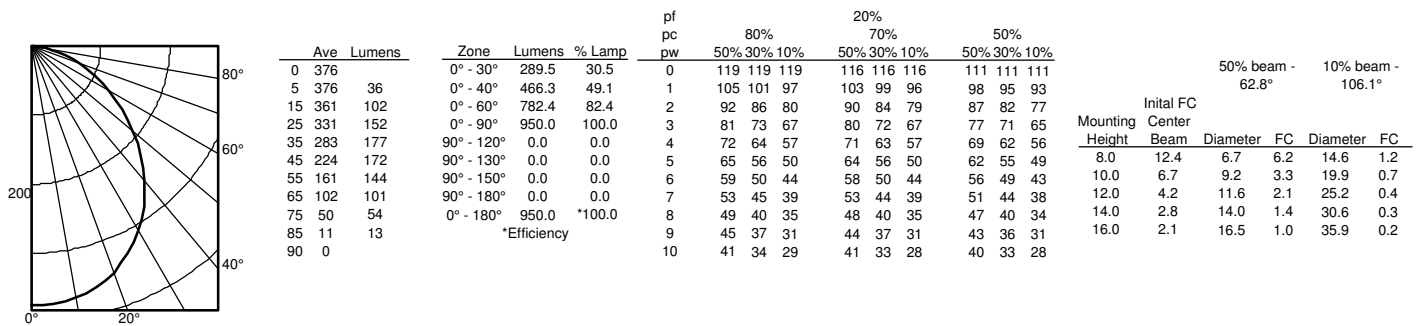
PHOTOMETRICS

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

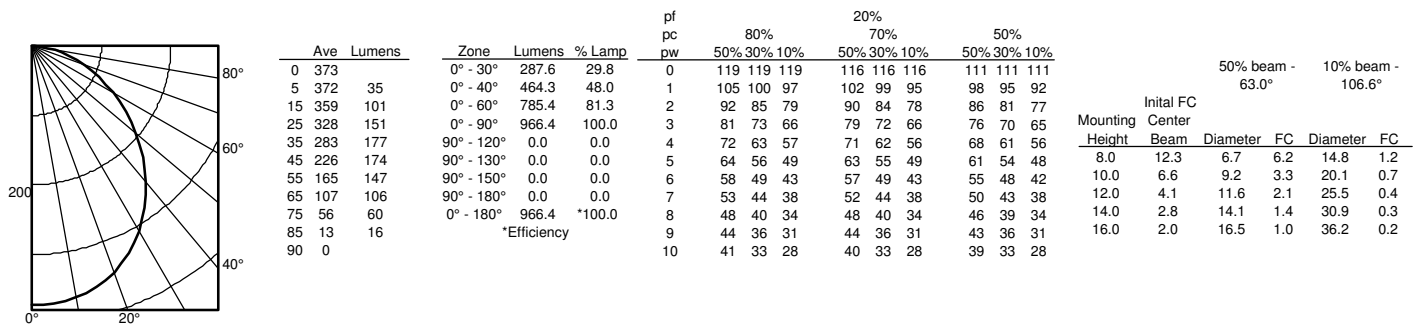
WF6 SQ S LED 27K, 2700K LEDs, input watts: 13.62, delivered lumens: 870, LM/W=63.8, test no. ISF 33169P1



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

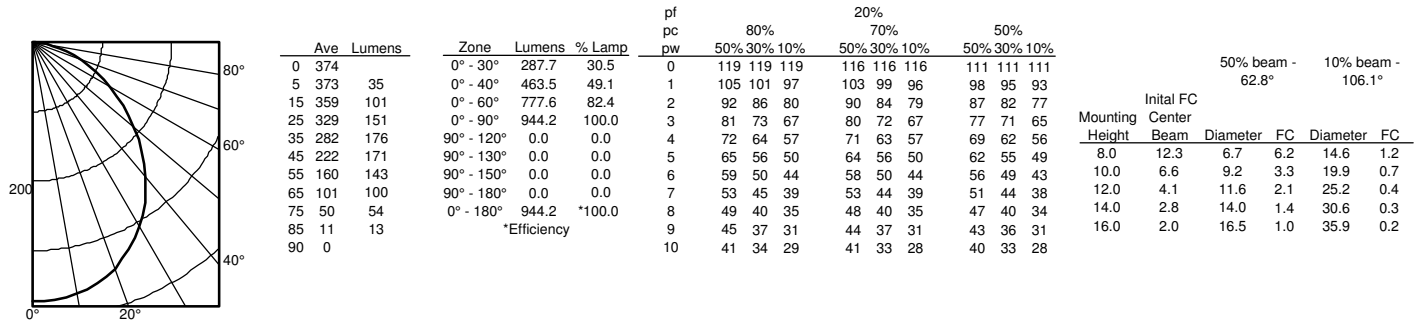


WF6 SQ 6" LED Wafer Module

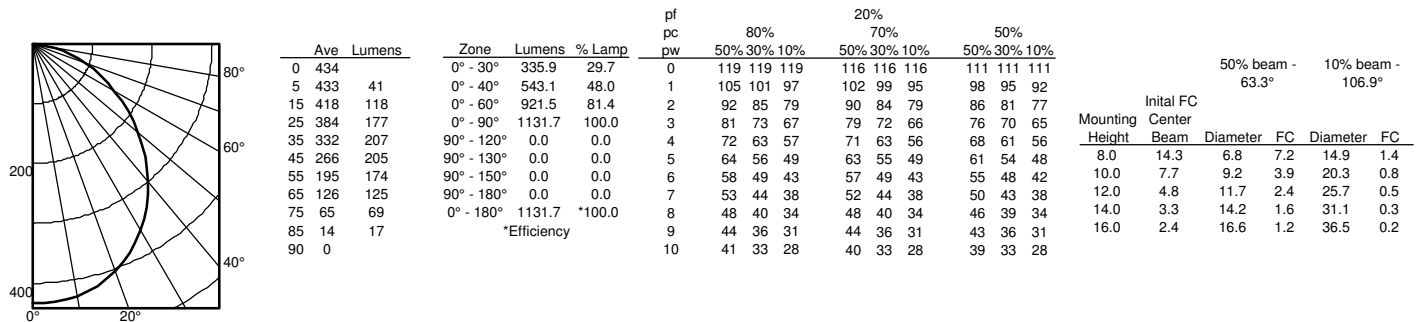
PHOTOMETRICS

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

WF6 SQ S LED 40K, 4000K LEDs, input watts: 13.7, delivered lumens: 944, LM/W=68.9, test no. ISF 33169P3



WF6 SQ S LED 50K, 5000K LEDs, input watts: 14, delivered lumens: 1131, LM/W=80, test no. ISF 35157P1

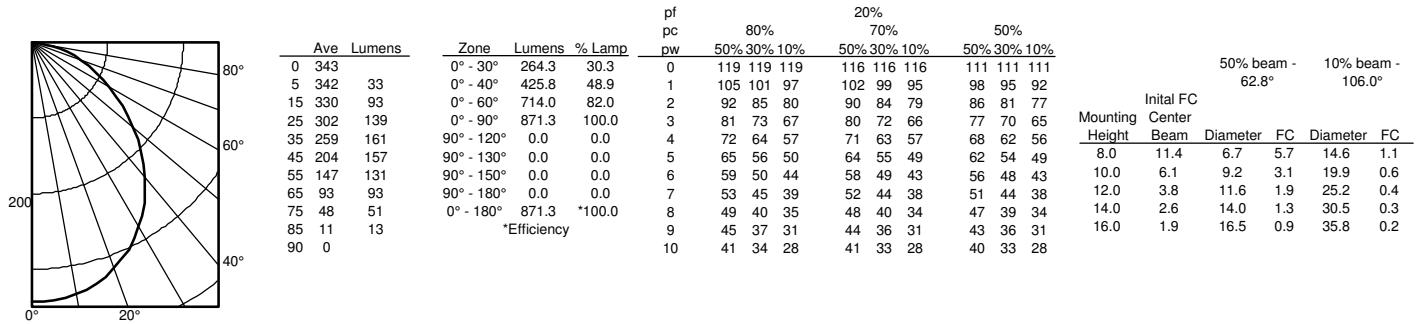


WF6 SQ 6" LED Wafer Module

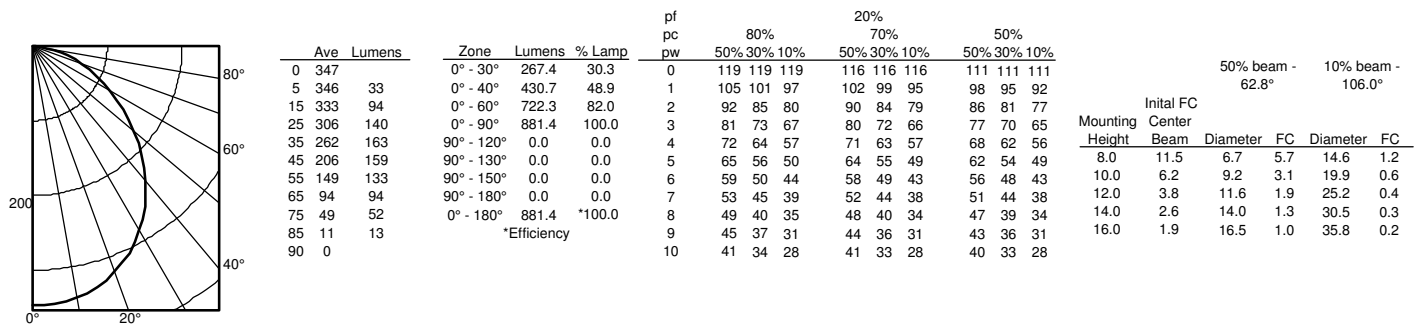
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Distribution Curve Distribution Data Output Data Coefficient of Utilization Illuminance Data at 30" Above Floor for a Single Luminaire

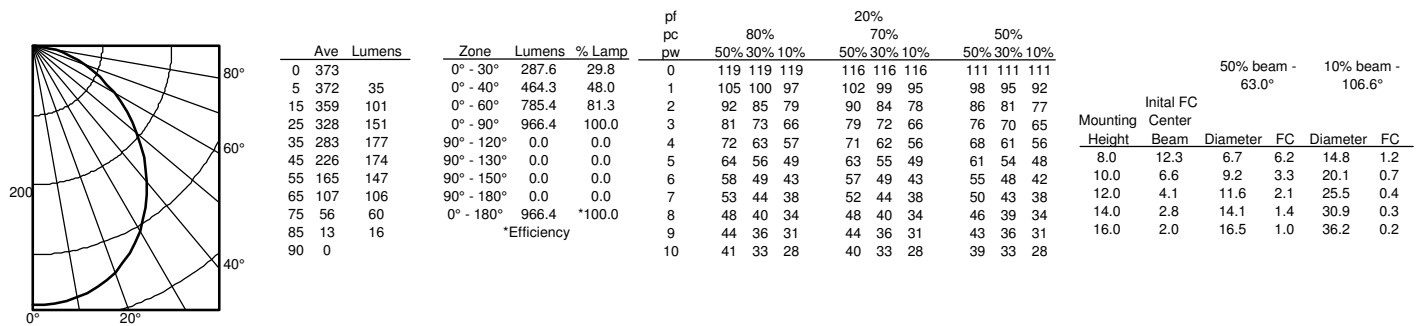
WF6 SQ B LED 27K, 2700K LEDs, input watts: 14.3, delivered lumens: 895, LM/W=62.5, test no. ISF 33186



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

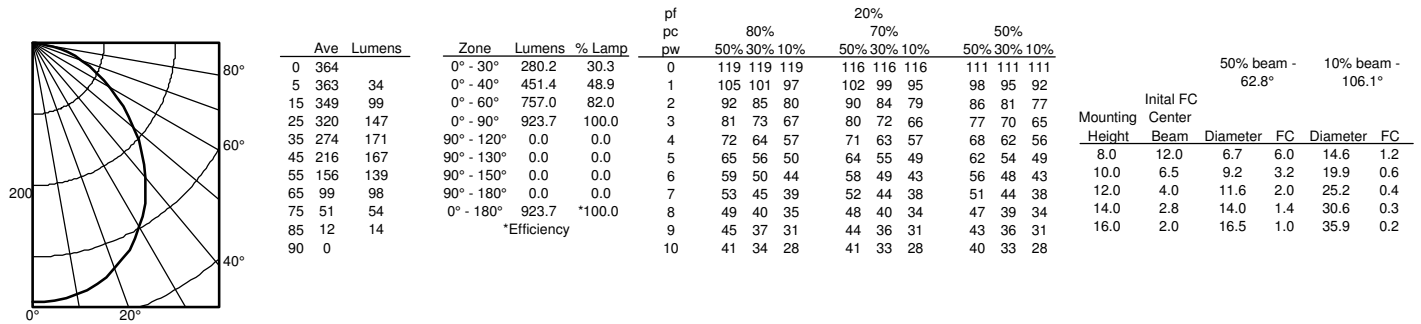


WF6 SQ 6" LED Wafer Module

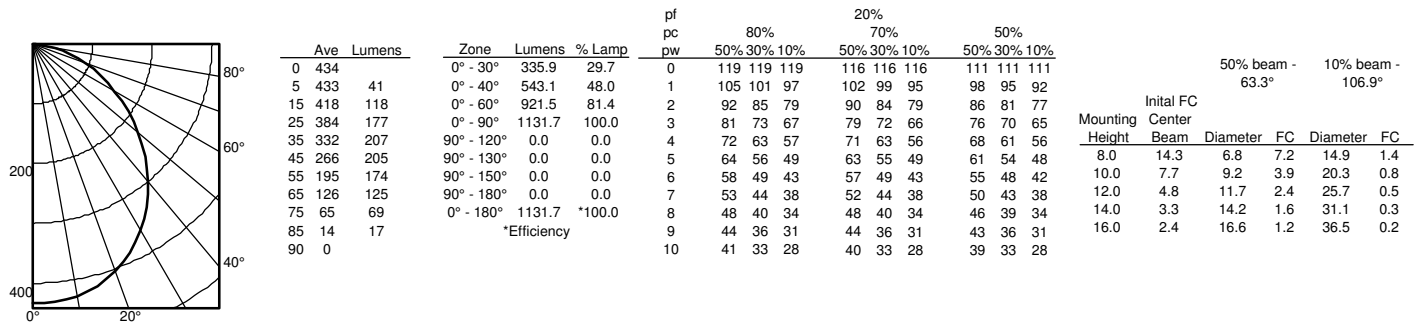
PHOTOMETRICS

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

WF6 SQ B LED 40K, 4000K LEDs, input watts: 13.9, delivered lumens: 923, LM/W=66.4, test no. ISF 33186P3



WF6 SQ B LED 50K, 5000K LEDs, input watts: 14, delivered lumens: 1131, LM/W=80, test no. ISF 35157P2



WF6 SQ 6" LED Wafer Module

ENERGY DATA & DIMMING CAPABILITY

6" SQUARE ENERGY DATA					
Lumens	860	880	900	920	980
Color Temperature	2700K	3000K	3500K	4000K	5000K
CRI	80	80	80	80	80
Lu/Watts	61.9	65.6	68.2	66.1	70
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				
Min. power factor	0.99				
Input frequency	50/60HZ				
Rated wattage	13.9W	13.4W	13.2W	13.9W	14W
Input power	13.9W	13.4W	13.2W	13.9W	14W
Input current	0.11A	0.11A	0.11A	0.11A	0.12A

COMPATIBLE DIMMERS				
Insteon	Leviton	Lutron	Sensorswitch	Synergy/Leviton
2477D	6633-PA	CTCL-153P-WH	nSP5 PCD 2W	ISD 600 I 120/IP106
	IPL06-LED/INC mode	DV-603P-LA	nSP5 PCD ELV 120	ISD 400 ELV 120/IPE04
	6615-P	CT-603PR-WH		
		DVELV-300P		
		NTELV-300P		
		NLV600		
		300P-SELV		
		DV-600P		
		AYCL-153P-WH		
		Caseta PD-6WCL*		

* requires Lutron Smart Bridge L-BDG2-WH (sold separately)

WF6 SQ 6" LED Wafer Module

LIGHTING FACTS

Lithonia Lighting

lighting facts
A Program of the U.S. DOE

Light Output (Lumens)	860
Watts	13.9
Lumens per Watt (Efficacy)	61.87

Color Accuracy Color Rendering Index (CRI)	80
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Light Color
Correlated Color Temperature (CCT) **2700 (Warm White)**

2700K 3000K 4500K 6500K

Warm White | Bright White | Daylight

All results are according to IESNA LM-79-2008. Approved Method for the Electrical and Photometric Testing of Solid-State Lighting. The U.S. Department of Energy (DOE) verifies product test data and results.

Visit www.lightingfacts.com for the Label Reference Guide.

Registration Number: NJSM-XTEEYZ (1/12/2017)
Model Number: WF6 SQ S LED 27K
Type: Luminaire - Downlight

Lithonia Lighting

lighting facts
A Program of the U.S. DOE

Light Output (Lumens)	880
Watts	13.42
Lumens per Watt (Efficacy)	65.57

Color Accuracy Color Rendering Index (CRI)	80
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Light Color
Correlated Color Temperature (CCT) **3000 (Bright White)**

2700K 3000K 4500K 6500K

Warm White | Bright White | Daylight

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Registration Number: NJSM-T7ZK1S (1/12/2017)
Model Number: WF6 SQ S LED 30K
Type: Luminaire - Downlight

Lithonia Lighting

lighting facts
A Program of the U.S. DOE

Light Output (Lumens)	900
Watts	13.2
Lumens per Watt (Efficacy)	68.18

Color Accuracy Color Rendering Index (CRI)	80
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Light Color
Correlated Color Temperature (CCT) **3500 (Bright White)**

2700K 3000K 4500K 6500K

Warm White | Bright White | Daylight

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Registration Number: NJSM-K6YGH6 (6/28/2017)
Model Number: WF6 SQ S LED 35K
Type: Luminaire - Downlight

Lithonia Lighting

lighting facts
A Program of the U.S. DOE

Light Output (Lumens)	920
Watts	13.91
Lumens per Watt (Efficacy)	66.14

Color Accuracy Color Rendering Index (CRI)	80
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Light Color
Correlated Color Temperature (CCT) **4000 (Bright White)**

2700K 3000K 4500K 6500K

Warm White | Bright White | Daylight

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Registration Number: NJSM-W8ELEY (1/12/2017)
Model Number: WF6 SQ S LED 40K
Type: Luminaire - Downlight

Lithonia Lighting

lighting facts
A Program of the U.S. DOE

Light Output (Lumens)	980
Watts	14
Lumens per Watt (Efficacy)	70

Color Accuracy Color Rendering Index (CRI)	80
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Light Color
Correlated Color Temperature (CCT) **5000 (Daylight)**

2700K 3000K 4500K 6500K

Warm White | Bright White | Daylight

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Visit www.lightingfacts.com for the Label Reference Guide.

Registration Number: NJSM-MW5OZZ (6/28/2017)
Model Number: WF6 SQ S LED 50K
Type: Luminaire - Downlight

LIGHTING FACTS

Lithonia Lighting

LED lighting facts
A Program of the U.S. DOE

Light Output (Lumens)	860
Watts	13.9
Lumens per Watt (Efficacy)	61.87

Color Accuracy
Color Rendering Index (CRI) **80**

Light Color
Correlated Color Temperature (CCT) **2700 (Warm White)**

2700K 3000K 4500K 6500K

Warm White Bright White Daylight

All results are according to IESNA LM-79-2008: Approved Method for the Electrical and Photometric Testing of Solid-State Lighting. The U.S. Department of Energy (DOE) verifies product test data and results.

Visit www.lightingfacts.com for the *Label Reference Guide*.

Registration Number: NJSM-1Q1QAZ (1/12/2017)
Model Number: WF6 SQ B LED 27K
Type: Luminaire - Downlight

Lithonia Lighting

LED lighting facts
A Program of the U.S. DOE

Light Output (Lumens)	880
Watts	13.42
Lumens per Watt (Efficacy)	65.57

Color Accuracy
Color Rendering Index (CRI) **80**

Light Color
Correlated Color Temperature (CCT) **3000 (Bright White)**

2700K 3000K 4500K 6500K

Warm White Bright White Daylight

All results are according to IESNA LM-79-2008: Approved Method for the Electrical and Photometric Testing of Solid-State Lighting. The U.S. Department of Energy (DOE) verifies product test data and results.

Visit www.lightingfacts.com for the *Label Reference Guide*.

Registration Number: NJSM-6J6N4M (1/12/2017)
Model Number: WF6 SQ B LED 30K
Type: Luminaire - Downlight

Lithonia Lighting

LED lighting facts
A Program of the U.S. DOE

Light Output (Lumens)	900
Watts	13.2
Lumens per Watt (Efficacy)	68.18

Color Accuracy
Color Rendering Index (CRI) **80**

Light Color
Correlated Color Temperature (CCT) **3500 (Bright White)**

2700K 3000K 4500K 6500K

Warm White Bright White Daylight

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Visit www.lightingfacts.com for the *Label Reference Guide*.

Registration Number: NJSM-GTEGEH (6/28/2017)
Model Number: WF6 SQ B LED 35K
Type: Luminaire - Downlight

Lithonia Lighting

LED lighting facts
A Program of the U.S. DOE

Light Output (Lumens)	920
Watts	13.91
Lumens per Watt (Efficacy)	66.14

Color Accuracy
Color Rendering Index (CRI) **80**

Light Color
Correlated Color Temperature (CCT) **4000 (Bright White)**

2700K 3000K 4500K 6500K

Warm White Bright White Daylight

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Visit www.lightingfacts.com for the *Label Reference Guide*.

Registration Number: NJSM-UIM2ZH (1/12/2017)
Model Number: WF6 SQ B LED 40K
Type: Luminaire - Downlight

Lithonia Lighting

LED lighting facts
A Program of the U.S. DOE

Light Output (Lumens)	980
Watts	14
Lumens per Watt (Efficacy)	70

Color Accuracy
Color Rendering Index (CRI) **80**

Light Color
Correlated Color Temperature (CCT) **5000 (Daylight)**

2700K 3000K 4500K 6500K

Warm White Bright White Daylight

All results are according to IESNA LM-79-2008: Approved Method for the Electrical and Photometric Testing of Solid-State Lighting. The U.S. Department of Energy (DOE) verifies product test data and results.

Visit www.lightingfacts.com for the *Label Reference Guide*.

Registration Number: NJSM-6Z6A24 (6/28/2017)
Model Number: WF6 SQ B LED 50K
Type: Luminaire - Downlight