

Catalog Number
Notes
Type

FEATURES & SPECIFICATIONS

INTENDED USE — The 6" Wafer-Thin 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 36,000 hours. These LED Wafer downlights are intended for closets, attics, hallways, bathrooms, kitchens, basements, soffits, entryways, 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. 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. 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 2 for recommended dimmers). Standard input wattage is 13W, 79 lumens per watt. Replaces 75W incandescent for 865 lumens and 100W incandescent for 1020 lumens.

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

6" LED Module

IC/Non-IC
New Construction/Remodel



Matte black



Brushed nickel

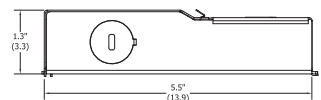
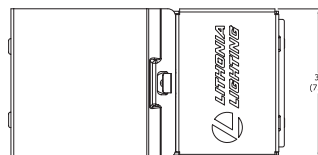
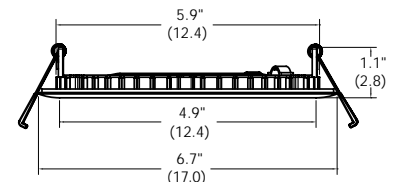


Oil-rubbed bronze



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.

WF6 6" LED Wafer Module

ORDERING INFORMATION

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

Example: WF6 LED 30K MW

WF6 Series	Lamp	CCT/CRI/W/Lumens ¹	Finish
WF6 6" wafer-thin LED downlight	LED LED	27K² 2700K/80CRI/13.8W/1000L	MW Matte white MB Matte black BN Brushed nickel ORB Oil-rubbed bronze
		30K 3000K/80CRI/13W/1020L	
		35K 3500K/80CRI/13.4W/1100L	
		40K 4000K/80CRI/13.6W/1200L	
		50K 5000K/80CRI/14.4W/1210L	
	LL LED Low Lumen LED	27K 2700K/80CRI/12.7W/780L	
		30K 3000k/80CRI/12.6W/800L	
		35K 3500k/80CRI/12W/840L	
		40K 4000k/80CRI/12.9W/850L	
		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



Remodel Joist Bar



Extension Cable

Notes

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

PHOTOMETRICS

Distribution Curve

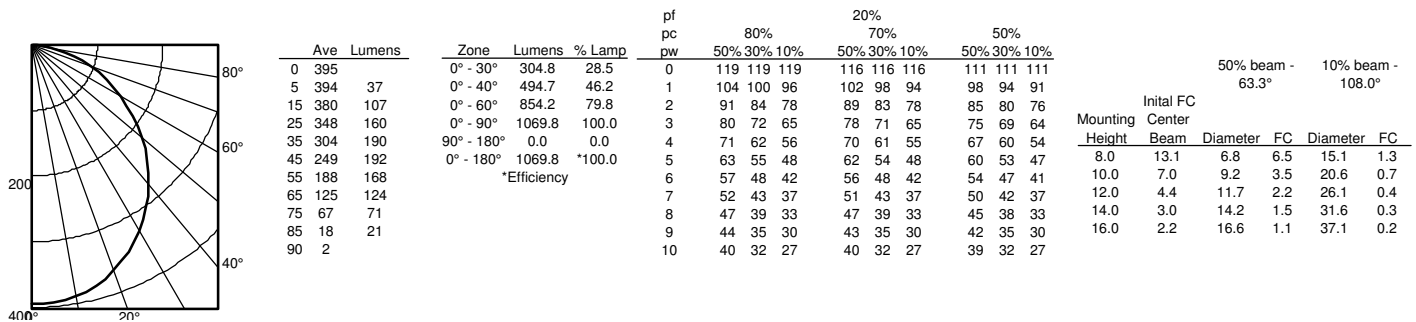
Distribution Data

Output Data

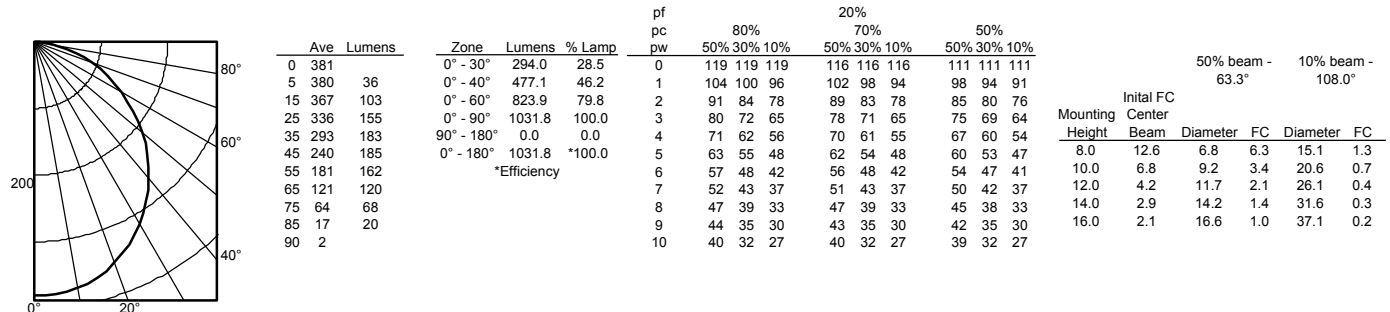
Coefficient of Utilization

Illuminance Data at 30" Above Floor for a Single Luminaire

WF6 LED27K, 2700 K LEDs, input watts: 13.7, delivered lumens: 1069, LM/W=78, test no. ISF 30024P2



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

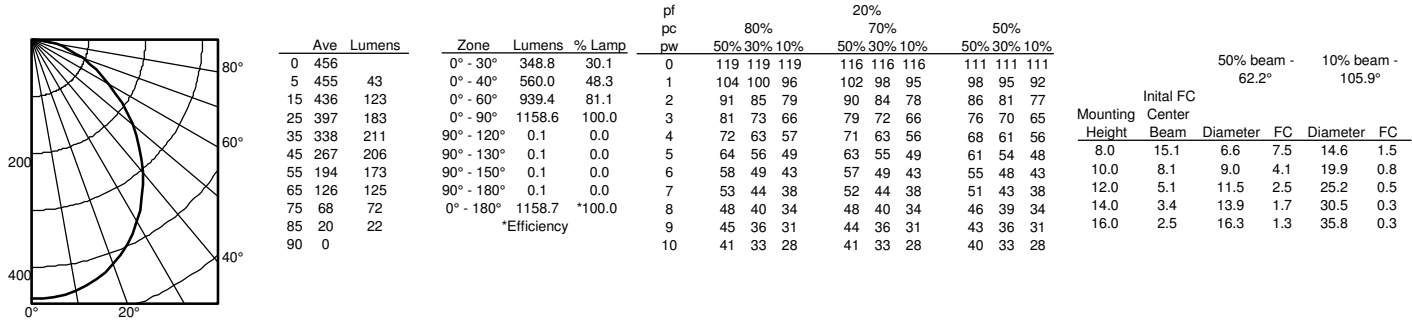


WF6 6" LED Wafer Module

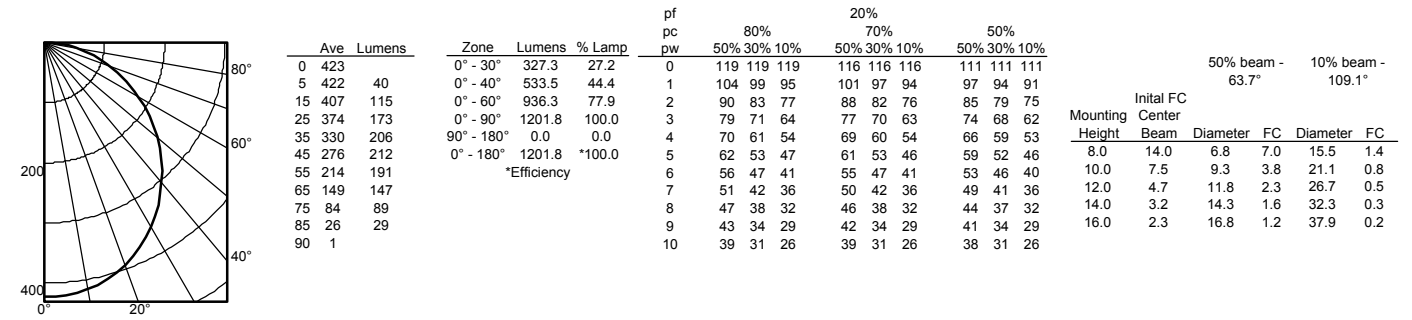
PHOTOMETRICS

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

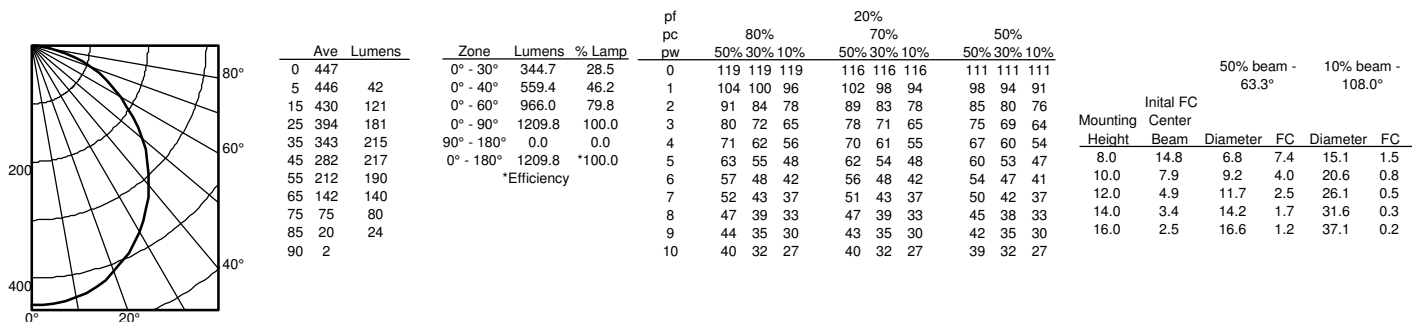
WF6 LED 35K, 3500K LEDs, input watts: 13.4, delivered lumens: 1158, LM/W=86, test no. ISF 35161



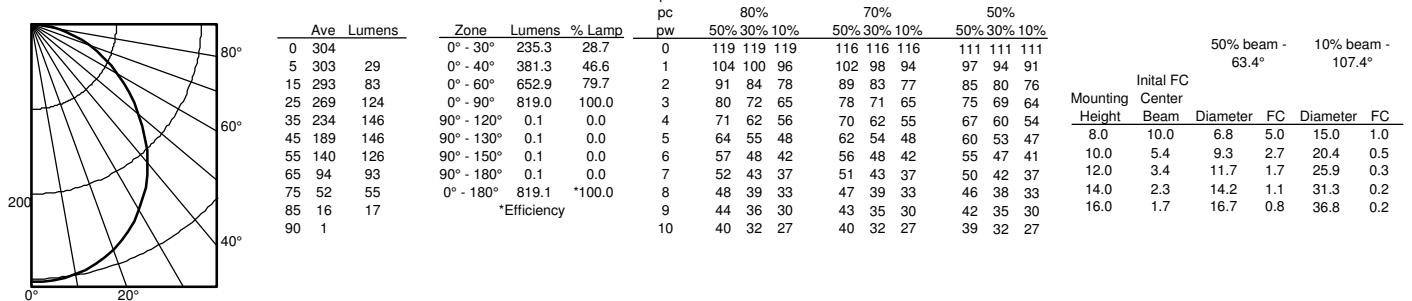
WF6 LED 40K, 4000 K LEDs, input watts: 13.6, delivered lumens: 1200, LM/W=88.2, test no. ISF 30376



WF6 LED 50K, 5000K LEDs, input watts: 14.31, delivered lumens: 1209, LM/W=84, 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

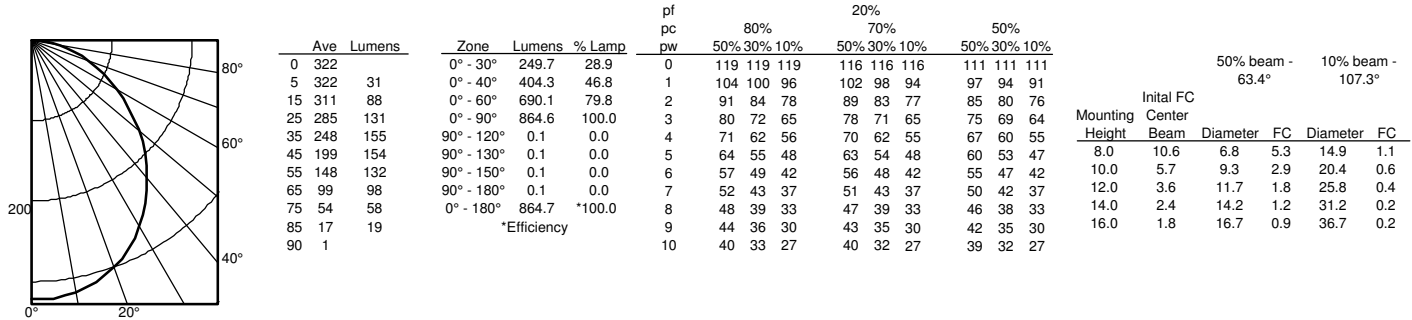


WF6 6" LED Wafer Module

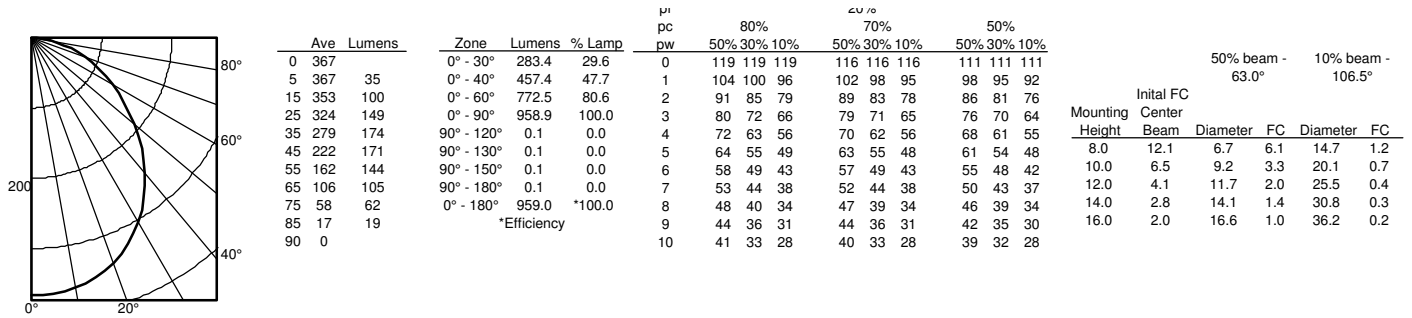
PHOTOMETRICS

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

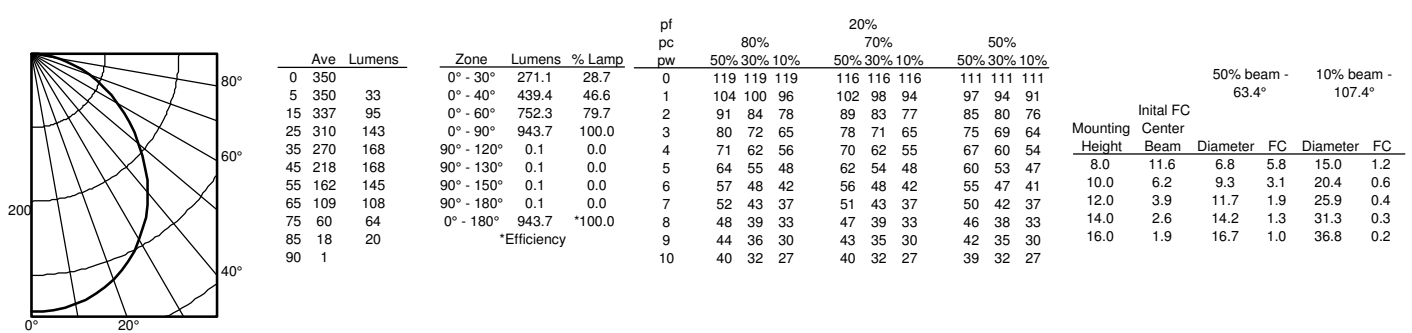
WF6 LL LED 30K, 3000 K LEDs, input watts: 12.6, delivered lumens: 865, LM/W=68.7, test no. ISF 32781



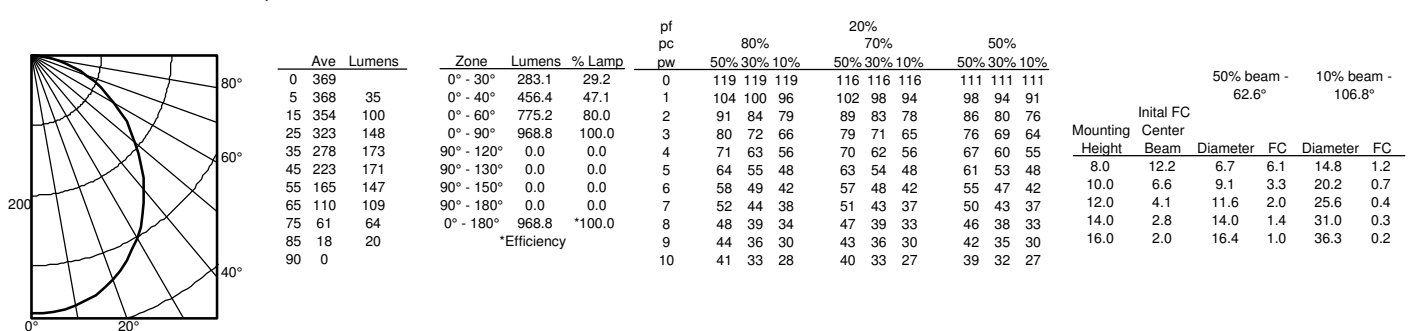
WF6 LL LED 35K, 3500K LEDs, input watts: 12, delivered lumens: 959, LM/W=80, test no. ISF 35160



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, 5000K LEDs, input watts: 12, delivered lumens: 968, LM/W=80, test no. ISF 35159



ENERGY DATA & DIMMING CAPABILITY

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	120V	120V	120V	120V
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	120V	120V	120V	120V
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

COMPATIBLE DIMMERS				
Insteon	Leviton	Lutron	Sensorswitch	Synergy/Leviton
2477D	6633-PA	CTCL-153P-WH	nSP5 PCD 2W	ISD 600 I 120/IPI06
	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)

LIGHTING FACTS

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

Light Output (Lumens) 1000
Watts 13.8
Lumens per Watt (Efficacy) 72.46

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-QRE1B3 (6/20/2017)
Model Number: WF6 LED 27K
Type: Luminaire - Downlight

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

Light Output (Lumens) 1020
Watts 13
Lumens per Watt (Efficacy) 78.46

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

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Registration Number: NJSM-DA1SC6 (3/15/2016)
Model Number: WF6 LED 30K
Type: Luminaire - Downlight

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

Light Output (Lumens) 1100
Watts 13.4
Lumens per Watt (Efficacy) 82.09

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

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-ZZFC1V (6/28/2017)
Model Number: WF6 LED 35K
Type: Luminaire - Downlight

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

Light Output (Lumens) 1200
Watts 13.6
Lumens per Watt (Efficacy) 88.24

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

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-WQ6E6W (3/15/2016)
Model Number: WF6 LED 40K
Type: Luminaire - Downlight

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

Light Output (Lumens) 1210
Watts 14.4
Lumens per Watt (Efficacy) 84.03

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-C14WHV (6/20/2017)
Model Number: WF6 LED 50K
Type: Luminaire - Downlight

LIGHTING FACTS

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

Light Output (Lumens)	780
Watts	12.73
Lumens per Watt (Efficacy)	61.27

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

2700K 3000K 4500K 6500K

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

Registration Number: NJSM-OBTA5U (11/5/2017)
Model Number: WF6 LLED 27K
Type: Luminaire - Downlight

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

Light Output (Lumens)	800
Watts	12.6
Lumens per Watt (Efficacy)	63.49

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

2700K 3000K 4500K 6500K

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-A6485S (12/1/2016)
Model Number: WF6 LLED 30K
Type: Luminaire - Downlight

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

Light Output (Lumens)	840
Watts	12
Lumens per Watt (Efficacy)	70

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

2700K 3000K 4500K 6500K

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-SN25W5 (6/28/2017)
Model Number: WF6 LLED 35K
Type: Luminaire - Downlight

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

Light Output (Lumens)	850
Watts	12.9
Lumens per Watt (Efficacy)	65.89

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

2700K 3000K 4500K 6500K

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-PKWQC4 (12/1/2016)
Model Number: WF6 LLED 40K
Type: Luminaire - Downlight

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

Light Output (Lumens)	900
Watts	12
Lumens per Watt (Efficacy)	75

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

2700K 3000K 4500K 6500K

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-UDNCEH (6/28/2017)
Model Number: WF6 LLED 50K
Type: Luminaire - Downlight