

Catalog Number
Notes
Type

## FEATURES & SPECIFICATIONS

**INTENDED USE** — The 3" 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 for insulation. 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** — 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. 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. 3" 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 3 1/8 inches for this product. Suitable for installation in t-grid and drop ceiling applications. 6" plenum space required for installation of 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. Utilizes 2700K, 3000K, and 4000K color temperature LEDs.

**ELECTRICAL** — Connect directly to 120V power supply via provided UL recognized driver. Driver and Fixture Wet location approved and IC rated. 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 8W, 68 lumens per watt. Actual wattage may differ by +/- 5% when operating at 120V +/- 10%. Replaces 50W incandescent.

**LISTINGS** — CSA certified to US and Canadian safety standards. ENERGY STAR® qualified. 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/resources/terms-and-conditions](http://www.acuitybrands.com/resources/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

# WF3

## 3" LED Module

IC/Non-IC  
New Construction/Remodel



Matte black



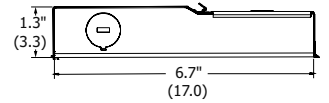
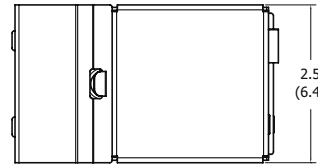
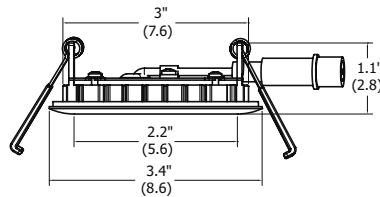
Brushed nickel



Oil-rubbed bronze

### Specifications

Aperture:	2.2 (5.6)
Ceiling opening:	3 (7.6)
Overlap trim:	3.4 (8.6)
Height:	1.1 (2.8)



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

### ORDERING INFORMATION

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

**Example: WF3 LED 30K MW**

WF3	LED		
Series	Lamp	CCT/CRI/W/Lumens <sup>1</sup>	Finish
<b>WF3</b> 3" wafer-thin LED downlight	<b>LED</b> LED	<b>27K<sup>2</sup></b> 2700K/80CRI/8W/540L <b>30K</b> 3000K/80CRI/8W/550L <b>40K</b> 4000K/80CRI/7.9W/590L	<b>MW</b> Matte white <b>MB</b> Matte black <b>BN</b> Brushed nickel <b>ORB</b> Oil-rubbed bronze

### Accessories: Order as separate catalog number.

WF3 PAN R12	3" new construction pan, retail pack of 12
WFEXC6 U	6' FT4 cable
WFEXC10 U	10' FT4 cable
WFEXC20 U	20' FT4 cable



WF3\_Pan



Extension Cable

### Notes

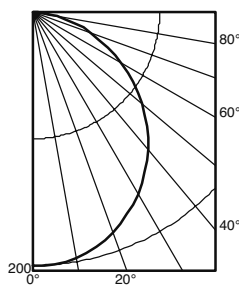
- Total system delivered lumens.
- Available in Matte White only.

# WF3 3" 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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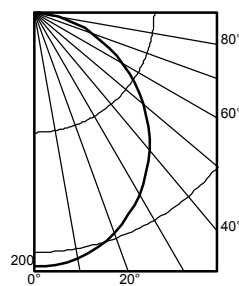
### WF3 LED 27K, 2700 K LEDs, 8 watts, 545 lumens, 68.1 lm/w, test no. ISF 30891P2



Ave Lumens	Zone Lumens % Lamp	80% 50% 30% 10%	70% 50% 30% 10%	50% 50% 30% 10%
0 201	0° - 30° 154.4 28.3	0 119 119 119	116 116 116	111 111 111
5 200 19	0° - 40° 250.9 46.0	1 104 100 96	102 98 95	98 94 92
15 192 54	0° - 60° 435.3 79.8	2 91 84 79	89 83 78	86 80 76
25 176 81	0° - 90° 545.2 100.0	3 80 72 65	78 71 65	75 69 64
35 154 96	90° - 180° 0.0 0.0	4 71 62 56	70 61 55	67 60 54
45 127 98	0° - 180° 545.2 *100.0	5 63 54 48	62 54 48	60 53 47
55 97 86	*Efficiency	6 57 48 42	56 48 42	54 47 41
65 65 65		7 52 43 37	51 43 37	50 42 37
75 34 36		8 47 39 33	47 39 33	45 38 33
85 8 9		9 43 35 30	43 35 30	42 35 30
90 0		10 40 32 27	40 32 27	39 32 27

Mounting Height	Center Beam Diameter	FC Diameter	50% beam - 63.3°	10% beam - 108.2°
8.0	6.6	6.8	3.3	15.2
10.0	3.6	9.2	1.8	20.7
12.0	2.2	11.7	1.1	26.2
14.0	1.5	14.2	0.8	31.8
16.0	1.1	16.6	0.6	37.3

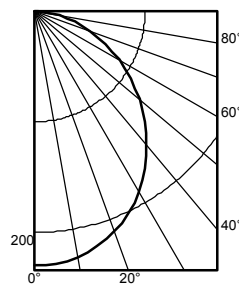
### WF3 LED 30K, 3000 K LEDs, 8 watts, 550 lumens, 68.8 lm/w, test no. ISF 30891



Ave Lumens	Zone Lumens % Lamp	80% 50% 30% 10%	70% 50% 30% 10%	50% 50% 30% 10%
0 212	0° - 30° 163.2 28.3	0 119 119 119	116 116 116	111 111 111
5 212 20	0° - 40° 265.1 46.0	1 104 100 96	102 98 95	98 94 92
15 203 57	0° - 60° 460.0 79.8	2 91 84 79	89 83 78	86 80 76
25 186 86	0° - 90° 576.1 100.0	3 80 72 65	78 71 65	75 69 64
35 163 102	90° - 180° 0.0 0.0	4 71 62 56	70 61 55	67 60 54
45 134 104	0° - 180° 576.1 *100.0	5 63 54 48	62 54 48	60 53 47
55 102 91	*Efficiency	6 57 48 42	56 48 42	54 47 41
65 69 68		7 52 43 37	51 43 37	50 42 37
75 36 38		8 47 39 33	47 39 33	45 38 33
85 8 10		9 43 35 30	43 35 30	42 35 30
90 0		10 40 32 27	40 32 27	39 32 27

Mounting Height	Center Beam Diameter	FC Diameter	50% beam - 63.3°	10% beam - 108.2°
8.0	7.0	6.8	3.5	15.2
10.0	3.8	9.2	1.9	20.7
12.0	2.3	11.7	1.2	26.2
14.0	1.6	14.2	0.8	31.8
16.0	1.2	16.6	0.6	37.3

### WF3 LED 40K, 4000 K LEDs, 7.9 watts, 590 lumens, 74.7 lm/w, test no. ISF 31230



Ave Lumens	Zone Lumens % Lamp	80% 50% 30% 10%	70% 50% 30% 10%	50% 50% 30% 10%
0 230	0° - 30° 176.6 29.0	0 119 119 119	116 116 116	111 111 111
5 229 22	0° - 40° 285.2 46.8	1 104 100 96	102 98 95	98 95 92
15 219 62	0° - 60° 488.6 80.2	2 91 84 79	89 83 78	86 80 76
25 202 93	0° - 90° 609.5 100.0	3 80 72 66	79 71 65	76 69 64
35 174 109	90° - 120° 0.1 0.0	4 71 63 56	70 62 55	67 60 55
45 141 109	90° - 130° 0.1 0.0	5 64 55 48	63 54 48	60 53 47
55 106 95	90° - 150° 0.1 0.0	6 57 49 42	57 48 42	55 47 42
65 70 70	90° - 180° 0.1 0.0	7 52 44 37	51 43 37	50 42 37
75 38 40	0° - 180° 609.6 *100.0	8 48 39 33	47 39 33	46 38 33
85 9 11	*Efficiency	9 44 36 30	43 35 30	42 35 30
90 1		10 40 33 27	40 32 27	39 32 27

Mounting Height	Center Beam Diameter	FC Diameter	50% beam - 62.8°	10% beam - 107.4°
8.0	7.6	6.7	3.8	15.0
10.0	4.1	9.2	2.0	20.4
12.0	2.5	11.6	1.3	25.9
14.0	1.7	14.0	0.9	31.3
16.0	1.3	16.5	0.6	36.8

## DIMMER COMPATIBILITY

COMPATIBLE DIMMERS					
Leviton	Lutron			Sensorswitch	Synergy/Leviton
6633-PA	Maestro MACL-153M (TX)	Diva/Skylark DVRP-253PCTRP-253P	Panel Module HW/LP-RPM-4A-120	nSP5 PCD 2W	ISD 600 I 120/IP106
IPL06-LED/INC mode	Maestro Wireless MRF2-6ELV	Skylark CTCL-150	Panel Module HW/LP-RPM-4U-120	nSP5 PCD ELV 120	ISD 400 ELV 120/IPE04
6615-P	Gen 3.0 DVCL-153P (T9)	Caseta Wireless PD-5NE	Grafik QS/Wallbox LQRJ-WPM-6P		
	Maestro MSCL-OP153M	Maestro MACL-LFQ	Grafik Eye 3000 Family HWI-WPM-6D-120		
	Caseta Wireless PD-6WCL	RadioRA2 RRD-6NA	HomeWorksQS / my Room LQSE-4A1-D / MQSE-4A1-D/MQSE-3A1/MQSE-2A1-D,120V		
	Grafik T GT-SNEM / GTJ-SNEM	HomeWorks HQRD-6NA	Homeworks QS LQSE-4A-120-D		

\*Requires Lutron Smart Bridge L-BDG2-WH for wireless applications (sold separately)

# WF3 3" LED Wafer Module

## ENERGY DATA

3" ENERGY DATA - 2700K	
Lumens	540
Color temperature	2700K
CRI	80
Lumens/Watt	67.5
Min. starting temperature	-40°C (-40°F)
EMI/RFI	FCC Title 47 CFR, Part 15, Class B
Sound rating	Class A standards
Input voltage	120V
Total Harmonic Distortion	13.5%
Min. power factor	0.97
Input frequency	50/60 Hz
Rated wattage	8W
Input power	8W
Input current	0.07A

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

**Light Output (Lumens)** 540  
**Watts** 8  
**Lumens per Watt (Efficacy)** 67.5

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

**Light Color**  
Correlated Color Temperature (CCT) 2700 (Warm 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](http://www.lightingfacts.com) for the *Label Reference Guide*.

Registration Number: NJSM-6TRMCY (6/20/2017)  
Model Number: WF3 LED 27K  
Type: Luminaire - Downlight

3" ENERGY DATA - 3000K	
Lumens	550
Color temperature	3000K
CRI	80
Lumens/Watt	68.75
Min. starting temperature	-40°C (-40°F)
EMI/RFI	FCC Title 47 CFR, Part 15, Class B
Sound rating	Class A standards
Input voltage	120V
Total Harmonic Distortion	13.5%
Min. power factor	0.97
Input frequency	50/60 Hz
Rated wattage	8
Input power	8W
Input current	0.07A

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

**Light Output (Lumens)** 550  
**Watts** 8  
**Lumens per Watt (Efficacy)** 68.75

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

**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.

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Registration Number: NJSM-VJQL2 (5/17/2016)  
Model Number: WF3 LED 30K  
Type: Luminaire - Downlight

## ENERGY DATA

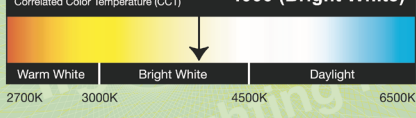
3" ENERGY DATA - 4000K	
Lumens	590
Color temperature	4000K
CRI	80
Lumens/Watt	74.68
Min. starting temperature	-40°C (-40°F)
EMI/RFI	FCC Title 47 CFR, Part 15, Class B
Sound rating	Class A standards
Input voltage	120V
Total Harmonic Distortion	13.5%
Min. power factor	0.97
Input frequency	50/60 Hz
Rated wattage	7.9
Input power	7.9W
Input current	0.07A


Lithonia Lighting

**Light Output (Lumens)** **590**  
**Watts** **7.9**  
**Lumens per Watt (Efficacy)** **74.68**

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

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



Warm White    Bright White    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](http://www.lightingfacts.com) for the Label Reference Guide.**

Registration Number: NJSM-2EYQCM (6/22/2016)  
Model Number: WF3 LED 40K  
Type: Luminaire - Downlight