

FEATURES & SPECIFICATIONS

INTENDED USE — The 4" 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, 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.

PATENT PENDING.

INSTALLATION — Ideal for shallow ceiling plenum; no housing required. Steel spring clip for easy installation. 4" 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 4 1/4 inches for this product. Suitable for installation in t-grid and drop ceiling applications. 3" 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. Utilizes 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 9.6W, 70 lumens per watt. Replaces 50W incandescent.

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

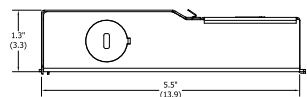
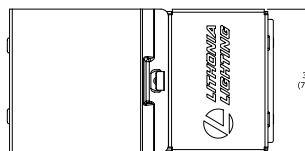
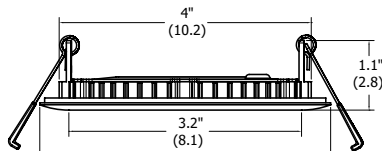
Note: Actual performance may differ as a result of end-user environment and application.

All values are design or typical values, measured under laboratory conditions at 25 °C.

Specifications subject to change without notice.

Specifications

Aperture:	3.2 (8.1)
Ceiling opening:	4.2 (10.7)
Overlap trim:	4.7 (12.0)
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: WF4 LED 30K MW

WF4	LED		
Series	Lamp	CCT/CRI/W/Lumens ¹	Finish
WF4 4" wafer-thin LED downlight	LED LED	27K 2700K/80CRI/10.6W/660L 30K 3000K/80CRI/9.6W/675L 35K 3500K/80CRI/10.2W/740L 40K 4000K/80CRI/10W/765L 50K 5000K/80CRI/10.4W/780L	MW Matte white MB Matte black BN Brushed nickel ORB Oil-rubbed bronze

Accessories: Order as separate catalog number.

WF4 PAN R12	4" 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



WF4_Pan



Remodel Joist Bar



Extension Cable

Notes

¹ Total system delivered lumens.

Catalog Number
Notes
Type

Wafer LED Recessed Downlight

WF4 4" LED Module

IC/Non-IC
New Construction/Remodel



Matte black



Brushed nickel



Oil-rubbed bronze

WF4 4" 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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WF4 LED 27K, 2700 K LEDs, input watts: 10.5, delivered lumens: 708, LM/W=67.4, test no. ISF 30027P2

Distribution Curve	Ave Lumens	Zone Lumens % Lamp	pf pc pw	80%			70%			50%			50% beam - 62.6"		10% beam - 108.2"		
				50%	30%	10%	50%	30%	10%	50%	30%	10%					
				0	1	2	3	4	5	6	7	8	9	10	0	1	2
0°	259	0° - 30° 198.1 27.9	0	119	119	119	116	116	116	111	111	111					
5°	258	0° - 40° 321.0 45.3	1	104	100	96	102	98	94	97	94	91					
15°	248	0° - 60° 558.3 78.8	2	90	84	78	89	82	77	85	80	75					
25°	226	0° - 90° 708.6 100.0	3	79	71	65	78	70	64	75	68	63					
35°	197	90° - 120° 0.1 0.0	4	70	62	55	69	61	55	67	59	54					
45°	163	90° - 130° 0.1 0.0	5	63	54	47	62	53	47	60	52	47					
55°	125	90° - 150° 0.1 0.0	6	57	48	41	56	47	41	54	46	41					
65°	86	90° - 180° 0.1 0.0	7	51	43	37	51	42	36	49	42	36					
75°	48	0° - 180° 708.7 *100.0	8	47	38	33	46	38	33	45	38	32					
85°	13	*Efficiency	9	43	35	29	43	35	29	41	34	29					
90°	1		10	40	32	27	39	32	27	38	31	26					

WF4 LED 30K, 3000 K LEDs, input watts: 9.6, delivered lumens: 675, LM/W=70.3, test no. ISF 30027

Distribution Curve	Ave Lumens	Zone Lumens % Lamp	pf pc pw	80%			70%			50%			50% beam - 62.6"		10% beam - 108.2"		
				50%	30%	10%	50%	30%	10%	50%	30%	10%					
				0	1	2	3	4	5	6	7	8					
0°	251	0° - 30° 191.7 27.9	0	119	119	119	116	116	116	111	111	111					
5°	250	0° - 40° 310.8 45.3	1	104	100	96	102	98	94	97	94	91					
15°	240	0° - 60° 540.5 78.8	2	90	84	78	89	82	77	85	80	75					
25°	218	0° - 90° 686.0 100.0	3	79	71	65	78	70	64	75	68	63					
35°	190	90° - 120° 0.1 0.0	4	70	62	55	69	61	55	67	59	54					
45°	158	90° - 130° 0.1 0.0	5	63	54	47	62	53	47	60	52	47					
55°	121	90° - 150° 0.1 0.0	6	57	48	41	56	47	41	54	46	41					
65°	83	90° - 180° 0.1 0.0	7	51	43	37	51	42	36	49	42	36					
75°	46	0° - 180° 686.1 *100.0	8	47	38	33	46	38	33	45	38	32					
85°	12	*Efficiency	9	43	35	29	43	35	29	41	34	29					
90°	1		10	40	32	27	39	32	27	38	31	26					

WF4 LED 35K, 3500 K LEDs, input watts: 10.1, delivered lumens: 829, LM/W=82, test no. ISF 35164

Distribution Curve	Ave Lumens	Zone Lumens % Lamp	pf pc pw	80%			70%			50%			50% beam - 62.2"		10% beam - 106.0"		
				50%	30%	10%	50%	30%	10%	50%	30%	10%					
				0	1	2	3	4	5	6	7	8					
0°	326	0° - 30° 249.5 30.1	0	119	119	119	116	116	116	111	111	111					
5°	326	0° - 40° 400.6 48.3	1	104	100	96	102	98	95	98	95	92					
15°	312	0° - 60° 672.0 81.0	2	91	85	79	90	83	78	86	81	76					
25°	284	0° - 90° 829.8 100.0	3	81	73	66	79	72	66	76	70	65					
35°	242	90° - 120° 0.0 0.0	4	72	63	57	70	62	56	68	61	55					
45°	191	90° - 130° 0.0 0.0	5	64	56	49	63	55	49	61	54	48					
55°	139	90° - 150° 0.0 0.0	6	58	49	43	57	49	43	55	48	43					
65°	91	90° - 180° 0.0 0.0	7	53	44	38	52	44	38	51	43	38					
75°	49	0° - 180° 829.8 *100.0	8	48	40	34	46	40	34	46	39	34					
85°	14	*Efficiency	9	44	36	31	44	36	31	43	36	31					
90°	0		10	41	33	28	41	33	28	40	33	28					

WF4 LED 40K, 4000 K LEDs, input watts: 10, delivered lumens: 765, LM/W=76.5, test no. ISF 30377

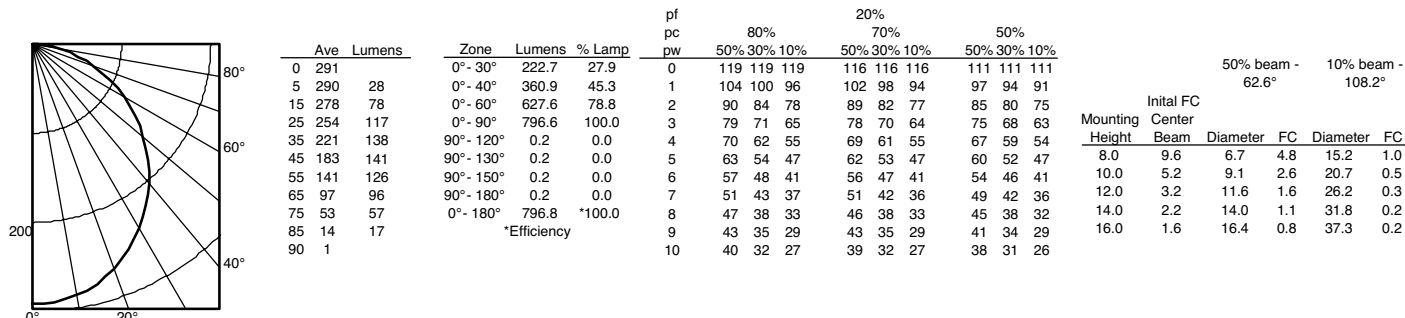
Distribution Curve	Ave Lumens	Zone Lumens % Lamp	pf pc pw	80%			70%			50%			50% beam - 63.7"		10% beam - 109.1"		
				50%	30%	10%	50%	30%	10%	50%	30%	10%					
				0	1	2	3	4	5	6	7	8					
0°	272	0° - 30° 210.1 27.3	0	119	119	119	116	116	116	111	111	111					
5°	271	0° - 40° 342.5 44.5	1	104	99	95	101	97	94	97	94	91					
15°	261	0° - 60° 601.1 78.1	2	90	83	77	88	82	76	85	79	75					
25°	240	0° - 90° 770.1 100.0	3	79	71	64	77	70	64	74	68	62					
35°	212	90° - 120° 0.0 0.0	4	70	61	54	69	60	54	66	59	53					
45°	177	90° - 130° 0.0 0.0	5	63	53	47	61	53	46	59	52	46					
55°	138	90° - 150° 0.0 0.0	6	56	47	41	55	47	41	54	46	40					
65°	96	90° - 180° 770.1 *100.0	7	51	42	36	50	42	36	49	41	36					
75°	54	*Efficiency	8	47	38	32	46	38	32	45	37	32					
85°	16		9	43	34	29	42	34	29	41	34	29					
90°	0		10	39	32	26	39	31	26	38	31	26					

WF4 4" 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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WF4 LED 50K, 5000 K LEDs, input watts: 10.4, delivered lumens: 796, LM/W=77, test no. ISF 30027P3



ENERGY DATA & DIMMER COMPATIBILITY

4" ENERGY DATA	2700K	3000K	3500K	4000K	5000K
Lumens	660	675	740	765	780
Color temperature	2700K	3000K	3500K	4000K	5000K
CRI	80	80	80	80	80
Lumens/Watt	62.2	70.3	72.5	76.5	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
Total Harmonic Distortion	15.3%	15.3%	15.3%	15.3%	15.3%
Min. power factor	0.99	0.97	0.98	0.98	0.98
Input frequency	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz
Rated wattage	10.6W	9.6W	10.2W	10W	10.4W
Input power	10.6W	9.6W	10.2W	10W	10.4W
Input current	0.09A	0.08A	0.09A	0.08A	0.09A

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/IPI06
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-SNE	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-5NEM / GTJ-5NEM	HomeWorks HQRD-6NA	Homeworks QS LQSE-4A-120-D		

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