LITHONIA LIGHTING®

Catalog Number	
Notes	
Type	

FEATURES & SPECIFICATIONS

INTENDED USE — The 6" Wafer™ 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 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. 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 accomodate 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-chaine 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 the correct size 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 drive box.

OPTICS — Edge-lit LED technology uses light guided plate to distribute light. Polycarbonate lens provides even illumination throughout the space. Utilized 2700K, 3000K, 3500K and 4000k 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). High efficient driver with power factor > 0.9. Ambient operating temperature: -40°F (-40°C) to +104°F (+40°C).

LISTINGS — CSA certified to Canadian and US Safety Standards. ENERGY STAR® certified product. Air Tight certified in accordance with ASTM E283-2004. Wet Location Listed.

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 MVOLT
6" LED Module

IC/Non-IC
New Construction/Remodel

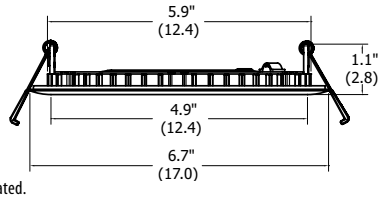


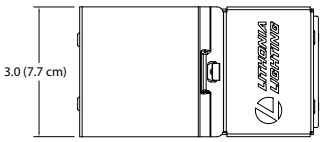


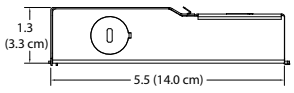
Matte black **Brushed nickel** **Oil-rubbed bronze**

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 LED 30K MVOLT MW

WF6							
Series		**Lamp**		**CCT/CRI/W/Lumens**[1]		**Voltage**	**Finish**
WF6	6" Wafer™ LED downlight	**LED**	LED	**27K**	2700K/80CRI/13.8W/1000L	**MVOLT** Multi-Volt (120-277V)	**MW** Matte white
				30K	3000K/80CRI/13W/1020L		**BN** Brushed nickel[2]
				35K	3500K/80CRI/13.4W/1100L		
				40K	4000K/80CRI/13.6W/1200L		
WF6	6" Wafer™ LED downlight	**LL LED**	Low Lumen LED	**27K**	2700K/80CRI/12.7W/780L	**MVOLT** Multi-Volt (120-277V)	**MW** Matte white
				30K	3000K/80CRI/12.6W/865L		
				35K	3500K/80CRI/12W/840L		
				40K	4000K/80CRI/12.9W/944L		
				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


Joist

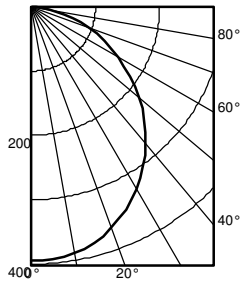

Extension Cable

Notes
1 Total system delivered lumens.
2 Available in 30K only.

PHOTOMETRICS

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

WF6 LED 27K, 2700 K LEDs, input watts: 13.8, delivered lumens: 1069, LM/W=72.5, test no. ISF 30024P2



	Ave	Lumens
0	395	
5	394	37
15	380	107
25	348	160
35	304	190
45	249	192
55	188	168
65	125	124
75	67	71
85	18	21
90	2	

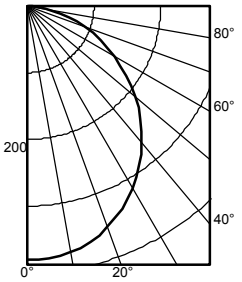
Zone	Lumens	% Lamp
0° - 30°	304.8	28.5
0° - 40°	494.7	46.2
0° - 60°	854.2	79.8
0° - 90°	1069.8	100.0
90° - 180°	0.0	0.0
0° - 180°	1069.8	*100.0

*Efficiency

pf / pc / pw	80% 50%	80% 30%	80% 10%	70% 50%	70% 30%	70% 10%	50% 50%	50% 30%	50% 10%
0	119	119	119	116	116	116	111	111	111
1	104	100	96	102	98	94	98	94	91
2	91	84	78	89	83	78	85	80	76
3	80	72	65	78	71	65	75	69	64
4	71	62	56	70	61	55	67	60	54
5	63	55	48	62	54	48	60	53	47
6	57	48	42	56	48	42	54	47	41
7	52	43	37	51	43	37	50	42	37
8	47	39	33	47	39	33	45	38	33
9	44	35	30	43	35	30	42	35	30
10	40	32	27	40	32	27	39	32	27

Mounting Height	Inital FC Center Beam	50% beam - 63.3° Diameter	50% beam - 63.3° FC	10% beam - 108.0° Diameter	10% beam - 108.0° FC
8.0	13.1	6.8	6.5	15.1	1.3
10.0	7.0	9.2	3.5	20.6	0.7
12.0	4.4	11.7	2.2	26.1	0.4
14.0	3.0	14.2	1.5	31.6	0.3
16.0	2.2	16.6	1.1	37.1	0.2

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



	Ave	Lumens
0	381	
5	380	36
15	367	103
25	336	155
35	293	183
45	240	185
55	181	162
65	121	120
75	64	68
85	17	20
90	2	

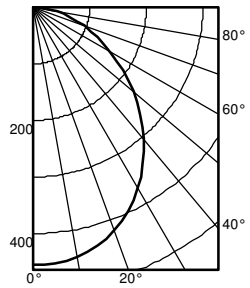
Zone	Lumens	% Lamp
0° - 30°	294.0	28.5
0° - 40°	477.1	46.2
0° - 60°	823.9	79.8
0° - 90°	1031.8	100.0
90° - 180°	0.0	0.0
0° - 180°	1031.8	*100.0

*Efficiency

pf / pc / pw	80% 50%	80% 30%	80% 10%	70% 50%	70% 30%	70% 10%	50% 50%	50% 30%	50% 10%
0	119	119	119	116	116	116	111	111	111
1	104	100	96	102	98	94	98	94	91
2	91	84	78	89	83	78	85	80	76
3	80	72	65	78	71	65	75	69	64
4	71	62	56	70	61	55	67	60	54
5	63	55	48	62	54	48	60	53	47
6	57	48	42	56	48	42	54	47	41
7	52	43	37	51	43	37	50	42	37
8	47	39	33	47	39	33	45	38	33
9	44	35	30	43	35	30	42	35	30
10	40	32	27	40	32	27	39	32	27

Mounting Height	Inital FC Center Beam	50% beam - 63.3° Diameter	50% beam - 63.3° FC	10% beam - 108.0° Diameter	10% beam - 108.0° FC
8.0	12.6	6.8	6.3	15.1	1.3
10.0	6.8	9.2	3.4	20.6	0.7
12.0	4.2	11.7	2.1	26.1	0.4
14.0	2.9	14.2	1.4	31.6	0.3
16.0	2.1	16.6	1.0	37.1	0.2

WF6 LED 35K, 3500 K LEDs, input watts: 13.4, delivered lumens: 1158, LM/W=82.1, test no. ISF 35161



	Ave	Lumens
0	456	
5	455	43
15	436	123
25	397	183
35	338	211
45	267	206
55	194	173
65	126	125
75	68	72
85	20	22
90	0	

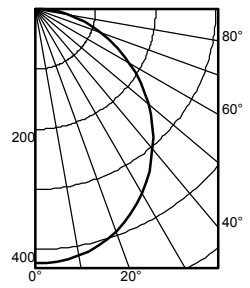
Zone	Lumens	% Lamp
0° - 30°	348.8	30.1
0° - 40°	560.0	48.3
0° - 60°	939.4	81.1
0° - 90°	1158.6	100.0
90° - 120°	0.1	0.0
90° - 130°	0.1	0.0
90° - 150°	0.1	0.0
90° - 180°	0.1	0.0
0° - 180°	1158.7	*100.0

*Efficiency

pf / pc / pw	80% 50%	80% 30%	80% 10%	70% 50%	70% 30%	70% 10%	50% 50%	50% 30%	50% 10%
0	119	119	119	116	116	116	111	111	111
1	104	100	96	102	98	95	98	95	92
2	91	85	79	90	84	78	86	81	77
3	81	73	66	79	72	66	76	70	65
4	72	63	57	71	63	56	68	61	56
5	64	56	49	63	55	49	61	54	48
6	58	49	43	57	49	43	55	48	43
7	53	44	38	52	44	38	51	43	38
8	48	40	34	48	40	34	46	39	34
9	45	36	31	44	36	31	43	36	31
10	41	33	28	41	33	28	40	33	28

Mounting Height	Inital FC Center Beam	50% beam - 62.2° Diameter	50% beam - 62.2° FC	10% beam - 105.9° Diameter	10% beam - 105.9° FC
8.0	15.1	6.6	7.5	14.6	1.5
10.0	8.1	9.0	4.1	19.9	0.8
12.0	5.1	11.5	2.5	25.2	0.5
14.0	3.4	13.9	1.7	30.5	0.3
16.0	2.5	16.3	1.3	35.8	0.3

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



	Ave	Lumens
0	423	
5	422	40
15	407	115
25	374	173
35	330	206
45	276	212
55	214	191
65	149	147
75	84	89
85	26	29
90	1	

Zone	Lumens	% Lamp
0° - 30°	327.3	27.2
0° - 40°	533.5	44.4
0° - 60°	936.3	77.9
0° - 90°	1201.8	100.0
90° - 180°	0.0	0.0
0° - 180°	1201.8	*100.0

*Efficiency

pf / pc / pw	80% 50%	80% 30%	80% 10%	70% 50%	70% 30%	70% 10%	50% 50%	50% 30%	50% 10%
0	119	119	119	116	116	116	111	111	111
1	104	99	95	101	97	94	97	94	91
2	90	83	77	88	82	76	85	79	75
3	79	71	64	77	70	63	74	68	62
4	70	61	54	69	60	54	66	59	53
5	62	53	47	61	53	46	59	52	46
6	56	47	41	55	47	41	53	46	40
7	51	42	36	50	42	36	49	41	36
8	47	38	32	46	38	32	44	37	32
9	43	34	29	42	34	29	41	34	29
10	39	31	26	39	31	26	38	31	26

Mounting Height	Inital FC Center Beam	50% beam - 63.7° Diameter	50% beam - 63.7° FC	10% beam - 109.1° Diameter	10% beam - 109.1° FC
8.0	14.0	6.8	7.0	15.5	1.4
10.0	7.5	9.3	3.8	21.1	0.8
12.0	4.7	11.8	2.3	26.7	0.5
14.0	3.2	14.3	1.6	32.3	0.3
16.0	2.3	16.8	1.2	37.9	0.2

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6" ENERGY DATA				
Color Temperature	2700K	3000K	3500K	4000K
Lumens	1000	1020	1100	1200
CRI	80	80	80	80
Lumens/Watt	72.5	78.5	82	88.2
Min. starting temperature	-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
Sound rating	Class A Standards	Class A Standards	Class A Standards	Class A Standards
Input voltage	120V-277V	120V-277V	120V-277V	120V-277V
Min. power factor	.99	.99	.99	.99
Input frequency	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz
Rated wattage	13.8W	13W	13.4W	13.6W
Input power	13.8W	13W	13.4W	13.6W
Input current	0.12A	0.11A	0.12A	0.11A

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