LITHONIA LIGHTING®

Catalog Number	
Notes	
Type	

FEATURES & SPECIFICATIONS

INTENDED USE — The 4" Wafer™ LED Downlight with Switchable White provides high-quality light output and efficiency featuring a switch for easy color temperature adjustment - while eliminating the need for recessed housings. The innovative, slim design allows for easy retrofit, remodel or new construction installation from below the ceiling. The Wafer LED downlight is wet location listed – making it ideal for use in a breadth of outdoor residential, hospitality, commercial and multifamily applications. The LED module maintains at least 70% light output for 50,000 hours.

CONSTRUCTION — Aluminum die cast outer frame. Durable, powder coat paint to prevent rust. FT4 plenum rated cable connector to connect from module to remote driver box. IC rated driver with convenience and value of two remote selectable color temperature options, each with a setting choice to chose either 2700K, 3000K, and 3500K or 3000K, 4000K, and 5000K using the switch. The 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 (6) 14 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. 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 — Edge-lit LED technology uses light guided plate to distribute light. Polycarbonate lens provides even illumination throughout the space.

ELECTRICAL — Connect directly to 120V Class-2 (CAN ICES-005 (B) / NMB-005 (B))LED 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% with most standard incandescent dimers (see list of approved dimmers). Replaces 65W incandescent for 750 lumens..

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. Can be used to comply with California Title 24 Part 6 High Efficacy LED light Source Requirements.

WARRANTY — 5-year limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at:
www.acuitybrands.com/support/warranty/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

WF4

4" LED Switchable White Color Temperature

IC/Non-IC
New Construction/Remodel

WET LOCATION™ · DIMMABLE LED · ENERGY STAR · TITLE 24 PART 6

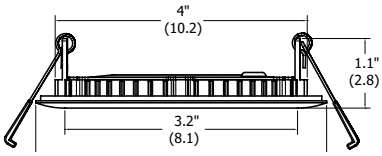
Matte black

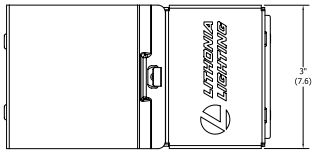
Brushed nickel

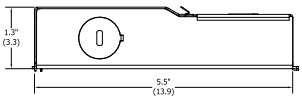
Oil-rubbed bronze

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 inches (centimeters) unless otherwise indicated.

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

Example: WF4 LED 30K40K50K 90CRI MW

WF4	LED			
Series	**Lamp**	**CCT/W/Lumens**[1]	**CRI**	**Finish**
WF4 4" wafer-thin LED downlight	**LED** LED	**27K30K35K** 2700K/10.5W/730L 3000K/10.5W/800L 3500K/10.5W/780L **30K40K50K** 3000K/10.5W/750L 4000K/10.5W/810L 5000K/10.5W/790L	**90CRI** 90CRI	**MW** Matte White **MB** Matte Black **BN** Brush Nickel **ORB** Oil-Rubbed Bronze

Accessories: *Order as separate catalog number.*

WF8643 Pan U	Universal new construction pan
WFJB U	Remodel joist bar
WFEXC6 SW3PIN FT4	3-Pin 6ft Cable
WFEXC10 SW3PIN FT4	3-Pin 10ft Cable
WFEXC20 SW3PIN FT4	3-Pin 20ft Cable
WF4GR MW JZ	4" round oversized trim ring

WF8643 New Construction Pan

Remodel Joist Bar

WFEXC6 Cable

Notes

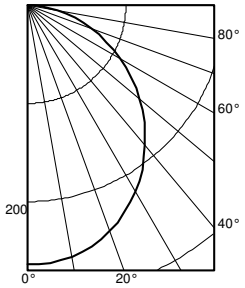
1 Total system delivered lumens.

WF4 Switchable White 4" LED Wafer Module

PHOTOMETRICS

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

WF4 LED 27K30K35K, 2700 K LEDs, input watts: 11, delivered lumens: 732, LM/W=67, test no. ISF 36826P1



	Ave	Lumens
0	264	
5	264	25
15	254	72
25	233	107
35	204	127
45	168	129
55	129	115
65	89	88
75	50	53
85	14	16
90	0	

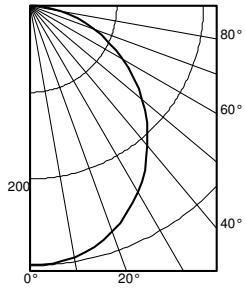
Zone	Lumens	% Lamp
0° - 30°	203.9	27.8
0° - 40°	331.3	45.2
0° - 60°	575.9	78.7
0° - 90°	732.2	100.0
90° - 120°	0.0	0.0
90° - 130°	0.0	0.0
90° - 150°	0.0	0.0
90° - 180°	0.0	0.0
0° - 180°	732.2	*100.0

*Efficiency

pf	80%			20%			50%		
pc				70%					
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%
0	119	119	119	116	116	116	111	111	111
1	104	99	96	101	98	94	97	94	91
2	90	84	78	88	82	77	85	80	75
3	79	71	65	78	70	64	75	68	63
4	70	62	55	69	61	54	67	59	54
5	63	54	47	62	53	47	60	52	46
6	57	48	41	56	47	41	54	46	41
7	51	43	36	51	42	36	49	42	36
8	47	38	33	46	38	32	45	38	32
9	43	35	29	43	35	29	41	34	29
10	40	32	27	39	32	27	38	31	26

		50% beam - 63.5°		10% beam - 108.5°	
Mounting Height	Inital FC Center Beam	Diameter	FC	Diameter	FC
8.0	8.7	6.8	4.4	15.3	0.9
10.0	4.7	9.3	2.3	20.8	0.5
12.0	2.9	11.7	1.5	26.4	0.3
14.0	2.0	14.2	1.0	31.9	0.2
16.0	1.4	16.7	0.7	37.5	0.1

WF4 LED 27K30K35K, 3000 K LEDs, input watts: 10, delivered lumens: 830, LM/W=83, test no. ISF 36826P2



	Ave	Lumens
0	299	
5	299	28
15	288	81
25	264	122
35	232	144
45	190	147
55	147	131
65	101	99
75	56	60
85	16	18
90	0	

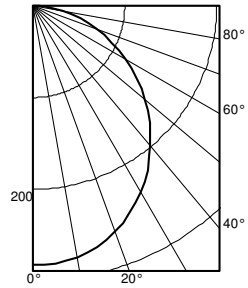
Zone	Lumens	% Lamp
0° - 30°	231.3	27.8
0° - 40°	375.7	45.2
0° - 60°	653.2	78.7
0° - 90°	830.4	100.0
90° - 120°	0.0	0.0
90° - 130°	0.0	0.0
90° - 150°	0.0	0.0
90° - 180°	0.0	0.0
0° - 180°	830.4	*100.0

*Efficiency

pf	80%			20%			50%		
pc				70%					
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%
0	119	119	119	116	116	116	111	111	111
1	104	99	96	101	98	94	97	94	91
2	90	84	78	88	82	77	85	80	75
3	79	71	65	78	70	64	75	68	63
4	70	62	55	69	61	54	67	59	54
5	63	54	47	62	53	47	60	52	46
6	57	48	41	56	47	41	54	46	41
7	51	43	36	51	42	36	49	42	36
8	47	38	33	46	38	32	45	38	32
9	43	35	29	43	35	29	41	34	29
10	40	32	27	39	32	27	38	31	26

		50% beam - 63.5°		10% beam - 108.5°	
Mounting Height	Inital FC Center Beam	Diameter	FC	Diameter	FC
8.0	9.9	6.8	4.9	15.3	1.0
10.0	5.3	9.3	2.7	20.8	0.5
12.0	3.3	11.7	1.7	26.4	0.3
14.0	2.3	14.2	1.1	31.9	0.2
16.0	1.6	16.7	0.8	37.5	0.2

WF4 LED 27K30K35K, 3500 K LEDs, input watts: 10, delivered lumens: 784, LM/W=78, test no. ISF 36826P3



	Ave	Lumens
0	282	
5	282	27
15	272	77
25	249	115
35	218	136
45	180	139
55	138	123
65	95	94
75	53	56
85	15	17
90	0	

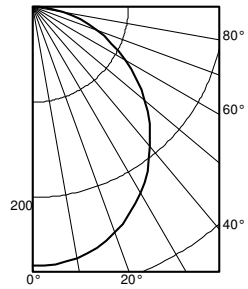
Zone	Lumens	% Lamp
0° - 30°	218.2	27.8
0° - 40°	354.5	45.2
0° - 60°	616.4	78.7
0° - 90°	783.6	100.0
90° - 120°	0.0	0.0
90° - 130°	0.0	0.0
90° - 150°	0.0	0.0
90° - 180°	0.0	0.0
0° - 180°	783.6	*100.0

*Efficiency

pf	80%			20%			50%		
pc				70%					
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%
0	119	119	119	116	116	116	111	111	111
1	104	99	96	101	98	94	97	94	91
2	90	84	78	88	82	77	85	80	75
3	79	71	65	78	70	64	75	68	63
4	70	62	55	69	61	54	67	59	54
5	63	54	47	62	53	47	60	52	46
6	57	48	41	56	47	41	54	46	41
7	51	43	36	51	42	36	49	42	36
8	47	38	33	46	38	32	45	38	32
9	43	35	29	43	35	29	41	34	29
10	40	32	27	39	32	27	38	31	26

		50% beam - 63.5°		10% beam - 108.5°	
Mounting Height	Inital FC Center Beam	Diameter	FC	Diameter	FC
8.0	9.3	6.8	4.7	15.3	0.9
10.0	5.0	9.3	2.5	20.8	0.5
12.0	3.1	11.7	1.6	26.4	0.3
14.0	2.1	14.2	1.1	31.9	0.2
16.0	1.5	16.7	0.8	37.5	0.2

WF4 LED 30K40K50K, 3000 K LEDs, input watts: 11, delivered lumens: 753, LM/W=68, test no. ISF 36826P4



	Ave	Lumens
0	271	
5	271	26
15	261	74
25	240	110
35	210	131
45	173	133
55	133	119
65	91	90
75	51	54
85	15	17
90	0	

Zone	Lumens	% Lamp
0° - 30°	209.7	27.8
0° - 40°	340.7	45.2
0° - 60°	592.3	78.7
0° - 90°	753.0	100.0
90° - 120°	0.0	0.0
90° - 130°	0.0	0.0
90° - 150°	0.0	0.0
90° - 180°	0.0	0.0
0° - 180°	753.0	*100.0

*Efficiency

pf	80%			20%			50%		
pc				70%					
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%
0	119	119	119	116	116	116	111	111	111
1	104	99	96	101	98	94	97	94	91
2	90	84	78	88	82	77	85	80	75
3	79	71	65	78	70	64	75	68	63
4	70	62	55	69	61	54	67	59	54
5	63	54	47	62	53	47	60	52	46
6	57	48	41	56	47	41	54	46	41
7	51	43	36	51	42	36	49	42	36
8	47	38	33	46	38	32	45	38	32
9	43	35	29	43	35	29	41	34	29
10	40	32	27	39	32	27	38	31	26

		50% beam - 63.5°		10% beam - 108.5°	
Mounting Height	Inital FC Center Beam	Diameter	FC	Diameter	FC
8.0	9.0	6.8	4.5	15.3	0.9
10.0	4.8	9.3	2.4	20.8	0.5
12.0	3.0	11.7	1.5	26.4	0.3
14.0	2.1	14.2	1.0	31.9	0.2
16.0	1.5	16.7	0.7	37.5	0.1

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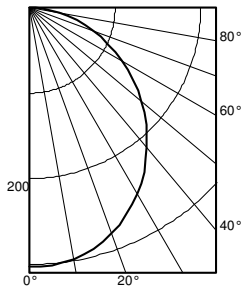
PHOTOMETRICS

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

WF4 LED 30K40K50K, 4000 K LEDs, input watts: 11, delivered lumens: 840, LM/W=76, test no. ISF 36826P5



	Ave	Lumens
0	303	
5	302	29
15	291	82
25	267	123
35	234	146
45	193	148
55	148	132
65	102	100
75	57	60
85	16	18
90	0	

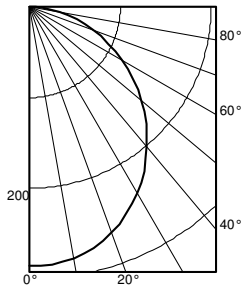
Zone	Lumens	% Lamp
0° - 30°	233.9	27.8
0° - 40°	379.9	45.2
0° - 60°	660.5	78.7
0° - 90°	839.7	100.0
90° - 120°	0.0	0.0
90° - 130°	0.0	0.0
90° - 150°	0.0	0.0
90° - 180°	0.0	0.0
0° - 180°	839.7	*100.0

*Efficiency

pf	20%								
pc	80%			70%			50%		
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%
0	119	119	119	116	116	116	111	111	111
1	104	99	96	101	98	94	97	94	91
2	90	84	78	88	82	77	85	80	75
3	79	71	65	78	70	64	75	68	63
4	70	62	55	69	61	54	67	59	54
5	63	54	47	62	53	47	60	52	46
6	57	48	41	56	47	41	54	46	41
7	51	43	36	51	42	36	49	42	36
8	47	38	33	46	38	32	45	38	32
9	43	35	29	43	35	29	41	34	29
10	40	32	27	39	32	27	38	31	26

		50% beam - 63.5°		10% beam - 108.5°	
Mounting Height	Inital FC Center Beam	Diameter	FC	Diameter	FC
8.0	10.0	6.8	5.0	15.3	1.0
10.0	5.4	9.3	2.7	20.8	0.5
12.0	3.4	11.7	1.7	26.4	0.3
14.0	2.3	14.2	1.1	31.9	0.2
16.0	1.7	16.7	0.8	37.5	0.2

WF4 LED 30K40K50K, 5000 K LEDs, input watts: 10, delivered lumens: 791, LM/W=79, test no. ISF 36826P6



	Ave	Lumens
0	285	
5	285	27
15	274	77
25	252	116
35	221	138
45	181	140
55	140	125
65	96	95
75	54	57
85	15	17
90	0	

Zone	Lumens	% Lamp
0° - 30°	220.5	27.8
0° - 40°	358.1	45.2
0° - 60°	622.6	78.7
0° - 90°	791.6	100.0
90° - 120°	0.0	0.0
90° - 130°	0.0	0.0
90° - 150°	0.0	0.0
90° - 180°	0.0	0.0
0° - 180°	791.6	*100.0

*Efficiency

pf	20%								
pc	80%			70%			50%		
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%
0	119	119	119	116	116	116	111	111	111
1	104	99	96	101	98	94	97	94	91
2	90	84	78	88	82	77	85	80	75
3	79	71	65	78	70	64	75	68	63
4	70	62	55	69	61	54	67	59	54
5	63	54	47	62	53	47	60	52	46
6	57	48	41	56	47	41	54	46	41
7	51	43	36	51	42	36	49	42	36
8	47	38	33	46	38	32	45	38	32
9	43	35	29	43	35	29	41	34	29
10	40	32	27	39	32	27	38	31	26

		50% beam - 63.5°		10% beam - 108.5°	
Mounting Height	Inital FC Center Beam	Diameter	FC	Diameter	FC
8.0	9.4	6.8	4.7	15.3	0.9
10.0	5.1	9.3	2.5	20.8	0.5
12.0	3.2	11.7	1.6	26.4	0.3
14.0	2.2	14.2	1.1	31.9	0.2
16.0	1.6	16.7	0.8	37.5	0.2

ENERGY DATA

WF4 LED 27K30K35K			
Color Temperature	2700K	3000K	3500K
Lumens	730	800	780
CRI	90	90	90
Rated wattage	10.7	10.1	10.4
Lu/Watts	68.2	79.2	75.0
Min. starting temp	-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
Sound rating	Class A Standards	Class A Standards	Class A Standards
Input voltage	120V	120V	120V
Min. power factor	0.97	0.97	0.97
Input frequency	50/60 Hz	50/60 Hz	50/60 Hz
Input power	120V	120V	120V
Input current	0.09A	0.09A	0.09A

WF4 LED 30K40K50K			
Color Temperature	3000K	4000K	5000K
Lumens	750	810	790
CRI	90	90	90
Rated wattage	10.6	10.6	10.1
Lu/Watts	70.8	76.4	78.2
Min. starting temp	-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
Sound rating	Class A Standards	Class A Standards	Class A Standards
Input voltage	120V	120V	120V
Min. power factor	0.97	0.97	0.97
Input frequency	50/60 Hz	50/60 Hz	50/60 Hz
Input power	120V	120V	120V
Input current	0.09A	0.09A	0.09A

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LIGHTING PERFORMANCE DATA

LIGHTING PERFORMANCE DATA
DONNÉES SUR LE RENDEMENT DE L'ÉCLAIRAGE

Light Appearance (CCT) Aspect de la lumière (CCT)	
2700K soft white | blanc doux	
730 lumens | **70** lumens per watt	
3000K warm white | blanc chaud	
800 lumens | **76** lumens per watt	
3500K neutral white | blanc neutre	
780 lumens | **74** lumens per watt	
Watts	**10.5**
Color Accuracy (CRI) Précision des couleurs (CRI)	**90**

LIGHTING PERFORMANCE DATA
DONNÉES SUR LE RENDEMENT DE L'ÉCLAIRAGE

Light Appearance (CCT) Aspect de la lumière (CCT)	
3000K warm white | blanc chaud	
750lumens | **71** lumens per watt	
4000K cool white | blanc froid	
810 lumens | **77** lumens per watt	
5000K daylight | lumière du jour	
790 lumens | **75** lumens per watt	
Watts	**10.5**
Color Accuracy (CRI) Précision des couleurs (CRI)	**90**

DOWNLIGHTING: One Lithonia Way, Conyers, GA 30012 Phone: 800-315-4935 Fax: 770-860-3129 www.lithonia.com © 2016-2022 Acuity Brands Lighting, Inc. All rights reserved. Rev. 03/02/22