LITHONIA LIGHTING®

Catalog Number	
Notes	
Type	

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. Not suitable for pulling wires.

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.

OPTICS — Wafer-Thin downlight edge-lit LED technology uses light guided plate to distribute light. Polycarbonate lens provides even illumination throughout the space. Utilized 3000K and 4000K 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.

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

WF4
4" LED Module

IC/Non-IC
New Construction/Remodel

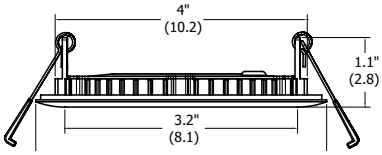
Matte black

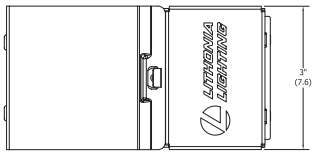
Brushed nickel

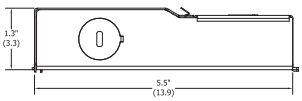
Oil-rubbed bronze

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 30K MW

WF4	LED		
Series	**Lamp**	**CCT/CRI/W/Lumens[1]**	**Finish**
WF4 4" wafer-thin LED downlight	**LED** LED	**30K** 3000K/80CRI/9.6W/675L **40K** 4000K/80CRI/10W/765L	**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 R4	Remodel joist bar, retail pack of 4
WFEXC6 U	6' FT4 cable
WFEXC10 U	10' FT4 cable
WFEXC20 U	20' FT4 cable

WF4_Pan

Joist

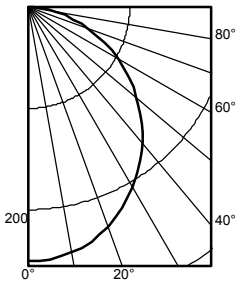
Extension Cable

Notes
1 Total system delivered lumens.

PHOTOMETRICS

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

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



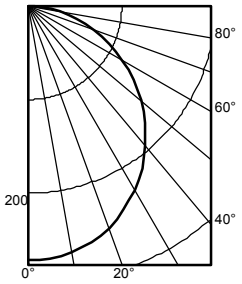
	Ave	Lumens
0	251	
5	250	24
15	240	68
25	218	101
35	190	119
45	158	122
55	121	108
65	83	82
75	46	49
85	12	14
90	1	

Zone	Lumens	% Lamp
0° - 30°	191.7	27.9
0° - 40°	310.8	45.3
0° - 60°	540.5	78.8
0° - 90°	686.0	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°	686.1	*100.0
*Efficiency		

pf		80%			20%			50%		
pc		50%	30%	10%	70%	30%	10%	50%	30%	10%
pw										
0		119	119	119	116	116	116	111	111	111
1		104	100	96	102	98	94	97	94	91
2		90	84	78	89	82	77	85	80	75
3		79	71	65	78	70	64	75	68	63
4		70	62	55	69	61	55	67	59	54
5		63	54	47	62	53	47	60	52	47
6		57	48	41	56	47	41	54	46	41
7		51	43	37	51	42	36	49	42	36
8		47	38	33	46	38	33	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 - 62.6°		10% beam - 108.2°	
Mounting Height	Inital FC Center Beam	Diameter	FC	Diameter	FC
8.0	8.3	6.7	4.2	15.2	0.8
10.0	4.5	9.1	2.2	20.7	0.4
12.0	2.8	11.6	1.4	26.2	0.3
14.0	1.9	14.0	0.9	31.8	0.2
16.0	1.4	16.4	0.7	37.3	0.1

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



	Ave	Lumens
0	272	
5	271	26
15	261	74
25	240	111
35	212	132
45	177	136
55	138	123
65	96	94
75	54	57
85	16	17
90	0	

Zone	Lumens	% Lamp
0° - 30°	210.1	27.3
0° - 40°	342.5	44.5
0° - 60°	601.1	78.1
0° - 90°	770.1	100.0
90° - 180°	0.0	0.0
0° - 180°	770.1	*100.0
*Efficiency		

pf		80%			20%			50%		
pc		50%	30%	10%	70%	30%	10%	50%	30%	10%
pw										
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	64	74	68	62
4		70	61	54	69	60	54	66	59	53
5		63	53	47	61	53	46	59	52	46
6		56	47	41	55	47	41	54	46	40
7		51	42	36	50	42	36	49	41	36
8		47	38	32	46	38	32	45	37	32
9		43	34	29	42	34	29	41	34	29
10		39	32	26	39	31	26	38	31	26

		50% beam - 63.7°		10% beam - 109.1°	
Mounting Height	Inital FC Center Beam	Diameter	FC	Diameter	FC
8.0	9.0	6.8	4.5	15.5	0.9
10.0	4.8	9.3	2.4	21.1	0.5
12.0	3.0	11.8	1.5	26.7	0.3
14.0	2.1	14.3	1.0	32.3	0.2
16.0	1.5	16.8	0.7	37.9	0.1

DOWNLIGHTING: One Lithonia Way, Conyers, GA 30012 Phone: 800-315-4935 Fax: 770-860-3129 www.lithonia.com © 2016-2017 Acuity Brands Lighting, Inc. All rights reserved. Rev. 06/14/17

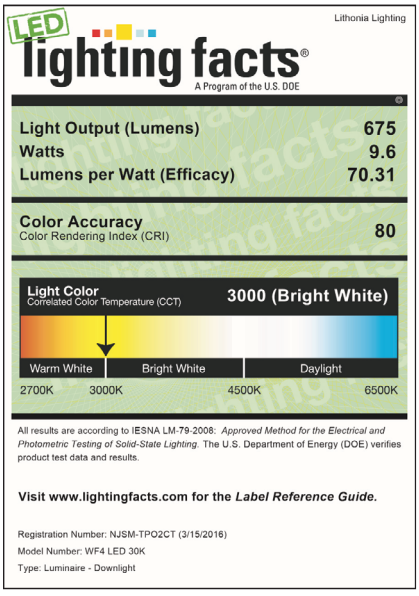
ENERGY DATA & DIMMER COMPATIBILITY

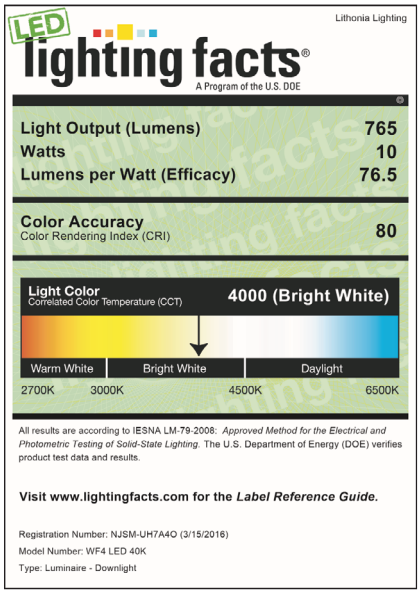
4" ENERGY DATA - 3000K	
Lumens	675
Color temperature	3000K
CRI	80
Lumens/Watt	70.3
Min. starting temperature	-40°C (-40°F)
EMI/RFI	FCC Title 47 CFR, Part 15, Class B
Sound rating	Class A standards
Input voltage	120V
Total Harmonic Distortion	15.3%
Min. power factor	0.97
Input frequency	50/60 Hz
Rated wattage	9.6W
Input power	9.6W
Input current	0.08A

4" ENERGY DATA - 4000K	
Lumens	765
Color temperature	4000K
CRI	80
Lumens/Watt	76.5
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	15.3%
Min. power factor	0.98
Input frequency	50/60 Hz
Rated wattage	10W
Input power	10W
Input current	0.08A

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		
		CTCL-153P-WH		

LIGHTING FACTS





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