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 need for a recessed housing. The innovative, slim design allows for easy retrofit, remodel or new construction installation from below the ceiling. The Wafer downlight provides general illumination in residential and commercial applications including multi-family and hospitality. Ideal for use in living and dining areas, bedrooms, closets, hallways, bathrooms, showers, kitchens, basements, soffits, entryways and porches. The Wafer LED downlight is wet location listed - making it ideal for use in a breadth of outdoor residential, hospitality, commercial and multifamily applications.

CONSTRUCTION — Die cast aluminum mounting frame with integral polycarbonate flange provides passive thermal cooling achieving L70 at 50,000 hours. Non-conductive dead-front trim design suitable for a wide range of applications and codes requiring a non-conductive lens assembly. IC rated driver and fixture - approved for direct contact with insulation. FT4 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 (6) 14 gauge insulated conductor, or (4) 12 gauge insulated conductors; making the Wafer LED Downlights much easier to wire in 2in/2out (plus ground) daisy-chain applications and contractor friendly. Wire nuts included.

INSTALLATION — Ideal for shallow ceiling plenum; no housing required. Steel spring clip for easy installation. 4" cut out template provided to ensure 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 with the WF8643 Pan. 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. Utilized 3000K and 4000K color temperature LEDs binned within 3-step MacAdam ellipse, 90 CRI.

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).

LISTINGS — CSA certified to US and Canadian safety standards. ENERGY STAR® certified product. Wet location. Air Tight certified in accordance with ASTM E283-2004. NOM Certified. Can be use for State of California Title 24 high efficacy LED compliance under JA8, reference Modernized Appliance Efficiency Database System (MAEDBS) for 2016 JA8 High Efficacy Lighting.

WARRANTY — 5-year limited warranty. 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 Static LED Recessed Downlight

WF4E
4" LED Module

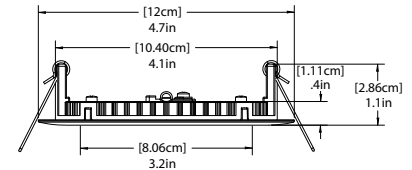IC/Non-IC
New Construction/Remodel

Specifications

Aperture:	3.2 (9.06)
Ceiling opening:	4 (10.40)
Overlap trim:	4.7 (12)
Height:	0.4 (1.11)
Weight:	0.8lbs

All dimensions are inches (centimeters) unless otherwise indicated.

Only compatible with single layer sheet rock.

ORDERING INFORMATION

WF4E				
Series	**Lamp**	**CCT/W/Lumens [1]**	**CRI**	**Finish**
WF4E 4" wafer-thin LED downlight	**LED** LED	**30K** 3000K/8.1W/580L	**90CRI** 90 CRI	**MW** Matte White

Remodel Joist Bar

Accessories: *Order as separate catalog number.*	
WF4 PAN R12	4" new construction pan, retail pack of 12
WF8643 PAN U	Universal new construction pan, unit pack
WFJB U	Remodel Joist Bar
WFEXC6 U	6' 2 pin FT4 cable
WFEXC10 U	10' 2 pin FT4 cable
WFEXC20 U	20' 2 pin FT4 cable
WF4GR MW JZ	4" round oversized trim ring
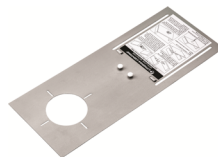
WF4 PAN

WF8643 Pan

Extension Cable (2-pin)

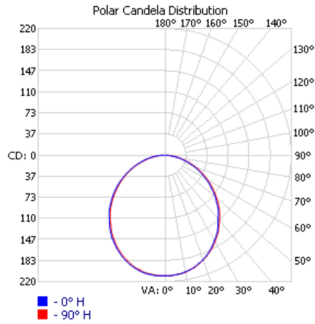**Notes**
1 Total system delivered lumens.

PHOTOMETRICS

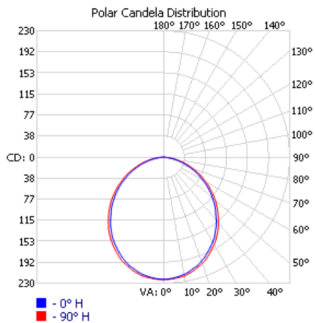| Distribution Curve	Distribution Data	Output Data	Coefficient of Utilization	Illuminance Data at 30" Above Floor for a Single Luminaire

WF4E LED 30K 90CRI, 3000 K LEDs, input watts: 8.14, delivered lumens: 578.5, LM/W=71, test no. ISF 193258

Polar Candela Distribution

COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

EFFECTIVE FLOOR CAVITY REFLECTANCE: 20%

RCC %:	80				70				50			30			10			0
RW %:	70	50	30	0	70	50	30	0	50	30	20	50	30	20	50	30	20	0
RCR: 0	1.19	1.19	1.19	1.19	1.16	1.16	1.16	1.00	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	1.00
1	1.09	1.04	1.00	.96	1.06	1.02	.98	.84	.97	.94	.91	.93	.91	.88	.90	.88	.86	.84
2	.99	.91	.84	.78	.96	.89	.82	.71	.85	.80	.75	.82	.77	.73	.79	.75	.72	.70
3	.90	.80	.71	.65	.88	.78	.70	.60	.75	.68	.63	.72	.67	.62	.70	.65	.61	.59
4	.83	.71	.62	.55	.80	.69	.61	.52	.67	.60	.54	.64	.58	.53	.62	.57	.52	.50
5	.76	.63	.54	.47	.74	.62	.53	.45	.60	.52	.47	.58	.51	.46	.56	.50	.46	.43
6	.70	.57	.48	.41	.68	.56	.47	.40	.54	.47	.41	.52	.46	.41	.51	.45	.40	.38
7	.65	.52	.43	.37	.63	.51	.42	.36	.49	.42	.36	.48	.41	.36	.46	.40	.36	.34
8	.61	.47	.39	.33	.59	.46	.38	.32	.45	.38	.32	.44	.37	.32	.43	.37	.32	.30
9	.57	.43	.35	.29	.55	.43	.35	.29	.41	.34	.29	.40	.34	.29	.39	.33	.29	.27
10	.53	.40	.32	.27	.52	.39	.32	.26	.38	.31	.27	.37	.31	.26	.37	.31	.26	.25

ZONAL LUMEN SUMMARY

ZONE	LUMENS	% LUMINAIRE
0-30	162.1	28%
0-40	263.2	45.5%
0-60	457.3	79.1%
60-90	121.2	20.9%
0-90	578.5	100%

WF4E LED 40K 90CRI, 4000 K LEDs, input watts: 8.22, delivered lumens: 598.6, LM/W=72.8, test no. ISF 193597

Polar Candela Distribution

COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

EFFECTIVE FLOOR CAVITY REFLECTANCE: 20%

RCC %:	80				70				50			30			10			0
RW %:	70	50	30	0	70	50	30	0	50	30	20	50	30	20	50	30	20	0
RCR: 0	1.19	1.19	1.19	1.19	1.16	1.16	1.16	1.00	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	1.00
1	1.09	1.04	1.00	.96	1.06	1.02	.98	.85	.98	.95	.92	.94	.91	.89	.90	.88	.86	.84
2	.99	.91	.84	.79	.97	.89	.83	.72	.86	.80	.76	.82	.78	.74	.79	.76	.73	.70
3	.91	.80	.72	.66	.88	.79	.71	.61	.76	.69	.64	.73	.67	.63	.70	.66	.62	.60
4	.83	.71	.62	.56	.81	.70	.62	.53	.67	.60	.55	.65	.59	.54	.63	.57	.53	.51
5	.76	.64	.55	.48	.74	.62	.54	.46	.60	.53	.47	.58	.52	.47	.57	.51	.46	.44
6	.71	.57	.48	.42	.69	.56	.48	.41	.55	.47	.42	.53	.46	.41	.51	.45	.41	.39
7	.65	.52	.43	.37	.64	.51	.43	.36	.50	.42	.37	.48	.42	.37	.47	.41	.36	.34
8	.61	.48	.39	.33	.59	.47	.39	.32	.46	.38	.33	.44	.38	.33	.43	.37	.33	.31
9	.57	.44	.35	.30	.56	.43	.35	.29	.42	.35	.30	.41	.34	.30	.40	.34	.29	.28
10	.53	.40	.32	.27	.52	.40	.32	.27	.39	.32	.27	.38	.31	.27	.37	.31	.27	.25

ZONAL LUMEN SUMMARY

ZONE	LUMENS	% LUMINAIRE
0-30	171.3	28.6%
0-40	277.7	46.4%
0-60	479.7	80.1%
60-90	119	19.9%
70-100	49	8.2%
90-120	0	0%
0-90	598.6	100%
90-180	0	0%
0-180	598.6	100%

ENERGY DATA & DIMMING CAPABILITY

4" ENERGY DATA		
Color Temperature	3000K	4000K
Lumens	580	600
CRI	90	90
Lumens/Watt	71.6	74.1
Min. starting temperature	-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
Sound rating	Class A Standards	Class A Standards
Input voltage	120V	120V
Min. power factor	.99	.99
Input frequency	60 Hz	60 Hz
Rated wattage	8.1W	8.1W
Input power	8.1W	8.1W
Input current	0.09A	0.09A

COMPATIBLE DIMMERS			
Lutron	**Leviton**	**Cooper**	**Belkin**
D-603P-WH	6672	DLC03-W	Wemo w/Wifi
DVELV-300P	DW6HD		
300P SELV	DZ6HD		
DV-600PR	6674 - LED/INC mode		
NTELV-300P	RPI06-10Z		
PD-6WCL	IPL06 -10Z LED/INC mode		
MACL-153MH	IPI06-1LZ		
MAELV-600-WH	IPM10-1LZ		
LECL-153PH-WHB			
CTCL-150H			
PD-5NE-WH			
Caseta Wireless PD-6WCL			